

Metal Processing Industry Association

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# Metal Processing Association Metal Processing Industry Annual Report

# 2018 Edition



#### **Slovene Metal Processing Industry in 2017**

The Slovene metal processing industry is one of the leading sectors of the Slovene economy as it employs over 10% of the workforce and contributes to nearly 10% of the overall Slovene industrial turnover. In terms of both its revenue and its export, the Slovene metal processing industry represents one of the strongest sectors of the national manufacturing industries, generating approximately a third of the revenue, export, and gross value added of all manufacturing industries in Slovenia. ۲

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The Slovene metal processing industry is strongly export-oriented. Over 70% of its sales are realized in foreign markets, which necessitates annual international business comparisons. These are made with three major composite competitiveness indicators; turnover per employee, gross value added per employee, and the ratio of labour costs to gross value added.

The analysis shows that the positive trends continued in 2017, resulting in an increase of revenue by 17,1%, of gross value added by employee by 1,5%, and of sales per employee by 9,2% compared to the previous year.

We hope this publication will help shed light on the status quo of the business environment and serve as a reference context for future plans, presentations, and business decisions.

Janja Petkovšek, M.Sc., B.Sc.Mech.Eng Director of CCIS–Metal Processing Industry Association

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#### Metal processing industry in 2017

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The purpose of this publication is to provide basic statistics concerning the metal processing industry sectors in the year 2017 and to present trends and key findings of the sector. The publication also includes comparisons to the EU environment.

# 1. BASIC DATA ON THE STATE OF THE METAL PROCESSING INDUSTRY IN 2017

In 2017, companies were classified on the basis of the Standard Classification of Activities – NACE 2008. The classification is in line with the Decree on the Standard Classification of Activities, Official Gazette of the RS No 69/07 and No 17/08, which entered into force on 1 January 2008, and in line with the European classification of activities NACE Rev. 2.

The Slovenian Metal Processing Association, which is part of the Chamber of Commerce and Industry of Slovenia, represents companies from the following metal processing sectors:

- NACE C/25 Manufacture of fabricated metal products, except machinery and equipment
- NACE C/26.52 Manufacture of watches and clocks
- NACE C/27.52 Manufacture of non-electric domestic appliances
- NACE C/28 Manufacture of machinery and equipment n.e.c.; NACE 28.230 (Manufacture of office machinery and equipment (except computers and peripheral equipment)) not included
- NACE C/29 Manufacture of motor vehicles, trailers and semi-trailers; NACE 29.310 (Manufacture of electrical and electronic equipment for motor vehicles) not included
- NACE C/30 Manufacture of other transport equipment
- NACE C/33 Repair and installation of machinery and equipment; NACE 33.130, 33.140, 33.190 and 33.200 not included
- NACE C/95.22 Repair of household appliances and home and garden equipment

The Slovenian metal processing industry is one of the top sectors of the Slovenian manufacturing industry in terms of turnover and export. In 2017, sectors of the metal processing industry represented 30% ( $\in$ 8,8 billion) of turnover, 31% ( $\in$ 6,3 billion) of export, 34% (approximately 62.000) of employees and generated 31% ( $\in$ 2,5 billion) of gross value added of all manufacturing sectors in Slovenia.



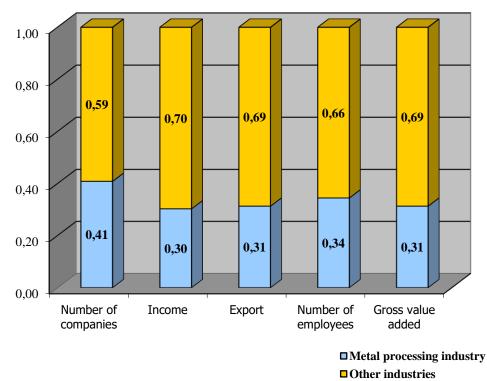


Chart 1: The Slovenian metal processing industry's share in the manufacturing industry in 2017

	Slovenia		manufacturing industry		metal processing industry	
	value in 2017	Index 17/16	value in 2017	Index 17/16	value in 2017	Index 17/16
Number of companies	66.470	101,30	8.138	101,80	3.329	102,70
Avg. number of employees	481.300	104,80	177.836	104,80	61.352	107,50
Total revenue (w/o change in stocks)	93.614.265.790	- /	28.927.141.482	111,20	8.771.976.717	117,10
Gross profit	92.342.605.049	111,30	28.846.817.018	111,70	8.785.349.763	117,10
Sales	90.654.138.337	111,40	28.297.272.418	111,50	8.622.185.473	117,40
Domestic sales	53.168.807.499	107,50	8.076.810.539	106,70	2.280.466.418	107,70
Foreign sales	37.485.330.838	117,50		113,50	6.341.719.054	121,40
Total expenses	89.572.904.089		27.432.848.669	111,20	8.370.397.969	117,60
Cost of goods, materials and services	70.682.854.066	112,60	20.774.714.489	113,00	6.262.111.170	120,60
Employee benefits expense	12.468.031.318	107,30	4.745.907.787	107,40	1.613.596.305	109,80
Depreciation expense	3.328.053.091	105,20	1.212.833.930	105,40	350.692.292	110,40
	4.253.349.643	110,90	1.765.888.457	115,20	469.222.750	106,00
FINANCIAL PROFIT/LOSS	-114.051.868	48,00	-132.991.824	154,60	-23.626.273	99,20
EBIT	4.381.803.857	111,70	1.811.568.263	117,40	475.071.922	106,50
EBITDA	8.430.276.922	108,00	3.179.476.412	110,90	863.551.122	108,00
Income tax expense	660.146.520	123,60	212.039.814	132,10	56.591.223	115,60
Net profit	4.585.208.520	106,60	1.632.824.953	110,70	449.427.492	108,40
Net loss	963.704.181	86,40	173.460.390	112,40	53.569.593	143,60
NET PROFIT/LOSS Cash flow from operations (net profit+	3.621.504.339	113,60	1.459.364.563	110,50	395.857.899	104,90
depreciation)	7.669.977.404	108,50	2.827.272.713	106,90	784.337.099	107,40
Gross value added	20.769.854.026	107,40	7.879.704.395	108,30	2.471.298.255	109,10
ASSETS	94.460.983.207	104,60	24.737.238.570	107,20	6.179.415.346	111,50
Inventories	9.025.079.496	109,20	3.970.897.087	111,80	1.106.425.763	114,20
Equity	45.049.712.751	106,50	12.903.401.037	108,50	2.807.808.787	110,30
Equity ratio (%)	48	101,90	52	101,40	45	98,90
Debt/equity ratio	1,00	90,90	0,80	88,90	1,10	100,00
Debt ratio (LT+ST liabilities/assets)	0,50	100,00	0,40	100,00	0,50	100,00
Total revenue/total expenses	1,00	100,00	1,10	100,00	1,00	90,90
EBITDA margin (%)	9,30	96,90	11,20	99,10	10,00	91,70
ROE (%)	8,30	106,40	11,80	102,60	14,80	94,90
ROA (%)	3,90	108,30	6,10	103,40	6,80	95,80
Sales per employee (EUR)	188.353	106,30	159.120	106,40	140.537	109,20
Share of foreign sales (%)	41	105,40	72	101,90	74	103,40
Labour costs per employee (EUR)	25.905	102,40	26.687	102,50	26.301	102,10
Average wage per employee (EUR)	18.971	102,90	19.585	103,20	19.198	102,20
Gross value added per employee (EUR)	43.154	102,50	44.309	103,40	40.281	101,50
Labour costs in gross value added (%)	60	99,80	60	99,20	65	100,60
Net profit per employee (EUR)	9.527	101,80	9.182	105,60	7.325	100,80
Net loss per employee (EUR)	2.002	82,50	975	107,30	873	133,60
Gross monthly wage per employee (EUR)	1.581	102,90	1.632	103,20	1.600	102,20
	value in 2017	Index 17/16	value in 2017	Index 17/16	value in 2017	Index 17/16
	Slovenia		manufacturing industry		metal processing industry	

Table 1: The position of the Slovenian metal processing industry in Slovenia's manufacturing industry in 2017

Based on the data from the Agency of the Republic of Slovenia for Public Legal Records and Related Services (AJPES) and the data processed by the Chamber of Commerce and Industry of Slovenia – CCIS, following the CCIS-SKEP methodology, the table consists of basic data for the Slovenian metal processing industry. The table includes data of companies which are committed to submit the balance sheets at the end of the fiscal year. The table does not include data from individual private entrepreneurs. It is necessary to emphasize that throughout the publication, the data for NACE sectors 28 (Manufacture of machinery and equipment n.e.c.), 29 (Manufacture of motor vehicles, trailers and semi-trailers) and 33 (Repair and installation of machinery and equipment) do not include data for subsectors that do not fall within the metal processing industry and are defined at the beginning of this chapter.

#### Basic data for the metal processing industry of Slovenia in the year 2017

	metal processing industry		NACE 25 metal products	NACE 28 machinery and equipment	NACE 29 motor vehicles, trailers and semi-trailers	NACE 30 other transport equipment	NACE 33 Repair and installation of machinery and equipment
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017	value in 2017	value in 2017
Number of companies	3.329	102,70	1.900	524	133	96	642
Avg. number of employees	61.352	107,50	28.954	13.582	10.528	905	7.260
Total revenue (w/o change in stocks)	8.771.976.717	117.10	3.104.692.062	1.796.580.492	3.070.174.951	122.885.808	664.042.357
Gross profit	8.785.349.763	117,10	3.112.539.196	1.811.352.866	3.059.352.943	125.120.946	663.425.030
Sales	8.622.185.473	117,40	3.040.773.149	1.769.173.184		118.068.486	645.657.678
Domestic sales	2.280.466.418	107,70	1.279.425.759	483.402.174	189.002.599	18.882.152	296.984.164
Foreign sales	6.341.719.054	121,40	1.761.347.390	1.285.771.009	2.846.183.602	99.186.334	348.673.514
Total expenses	8.370.397.969	117,60	2.954.002.192	1.732.588.486	2.923.865.360	119.613.211	627.009.960
Cost of goods, materials and services	6.262.111.170	120,60	2.034.072.722	1.247.892.665	2.504.903.306	89.690.516	375.463.115
Employee benefits expense	1.613.596.305	109,80	709.059.790	383.838.415	274.584.359	21.878.981	221.747.240
Depreciation expense	350.692.292	110,40	143.811.230	61.877.366	124.572.270	4.271.413	15.851.151
OPERATING PROFIT	469.222.750	106,00	184.677.436	91.436.176	146.348.234	6.966.704	39.426.922
FINANCIAL PROFIT/LOSS	-23.626.273	99,20	-10.981.202	-6.963.554	-3.146.207	-931.673	-1.528.873
EBIT	475.071.922	106,50	188.381.329	92.939.036	146.152.635	7.232.633	40.009.237
EBITDA	863.551.122	108,00	351.783.663	164.572.588	273.590.488	13.010.333	59.703.848
Income tax expense	56.591.223	115,60	24.545.271	13.319.639	10.608.531	1.349.983	6.716.328
Net profit	449.427.492	108,40	175.217.660	92.945.431	139.962.828	7.008.334	34.035.483
Net loss	53.569.593	143,60	23.817.583	19.980.536	5.020.187	2.053.264	2.671.084
NET PROFIT/LOSS	395.857.899	104,90	151.400.077	72.964.896	134.942.641	4.955.070	31.364.399
Cash flow from operations (net profit+ depreciation)	784.337.099	107,40	314.802.412	144.598.448	262.380.494	10.732.770	51.059.010
Gross value added	2.471.298.255	109,10	1.057.139.560	546.908.143	548.370.446	34.623.385	280.868.773
ASSETS	6.179.415.346	111,50	2.682.617.027	1.545.843.007		116.846.417	382.582.734
Inventories	1.106.425.763	114,20	425.078.422	369.056.311	230.399.508	27.222.743	51.289.299
Equity	2.807.808.787	110,30	1.310.457.253	724.136.820	561.820.205	33.859.775	173.576.698
Equity ratio (%)	45	98,90	49	47	39	29	45
Debt/equity ratio	1,10	100,00	1,00	1,00	1,40	2,40	1,00
Debt ratio (LT+ST liabilities/assets)	0,50	100,00	0,50	0,50	0,60	0,70	0,50
Total revenue/total	1.00	00.00	1 40	1.00	1 10	1.00	1 10
expenses EBITDA margin (%)	1,00 10,00	90,90	<u>1,10</u> 11,60	<u>1,00</u> 9,30	1,10 9,00	<u>1,00</u> 11,00	1,10
	10,00	91,70	11,00	9,30	9,00	11,00	9,20

ROE (%)	14,80	94.90	12,00	10,60	25,80	15,60	18,80
ROA (%)	6,80	95,80	5,80	5,00	10,40	4,60	8,60
Sales per employee (EUR)	140.537	109,20	105.020	130.256	288.284	130.488	88.936
Share of foreign sales (%)	74	103,40	58	73	94	84	54
Labour costs per employee (EUR)	26.301	102,10	24.489	28.260	26.080	24.181	30.545
Average wage per employee (EUR)	19.198	102,20	18.039	20.977	18.137	17.714	22.291
Gross value added per employee (EUR)	40.281	101,50	36.511	40.266	52.085	38.266	38.688
Labour costs in gross value added (%)	65	100,60	67	70	50	63	79
Net profit per employee (EUR)	7.325	100,80	6.052	6.843	13.294	7.746	4.688
Net loss per employee (EUR)	873	133,60	823	1.471	477	2.269	368
Gross monthly wage per employee (EUR)	1.600	102,20	1.503	1.748	1.511	1.476	1.858
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017	value in 2017	value in 2017
	metal processing industry		NACE 25 metal products	NACE 28 machinery and equipment	NACE 29 motor vehicles, trailers and semi-trailers	NACE 30 other transport equipment	NACE 33 Repair and installation of machinery and equipment

Table 2: Basic data for the Slovenian metal processing industry in 2017

The table presents the main industrial sectors within the metal processing industry. Some activities (e.g. NACE C/26.52 – Manufacture of watches and clocks) are not included in the tables and calculations as they represent a very small portion of the metal processing industry. Their values are nevertheless always taken into account in agglomerates, for example in the "Metal processing industry" column. The same principle is applied for the sub-sectors and sub-activities that are underrepresented; for example, NACE 25.3 (Manufacture of steam generators, except central heating hot water boilers) is comprised of only two companies and is not included in the calculations below. But values (e.g. number of employees) of the underrepresented sub-sectors are included in the value of the whole sector (e.g. 25 – Manufacture of fabricated metal products, except machinery and equipment). The missing data is not published because of its confidentiality: **If an aggregate includes only three companies or a company has a predominant role, the data cannot be published**.

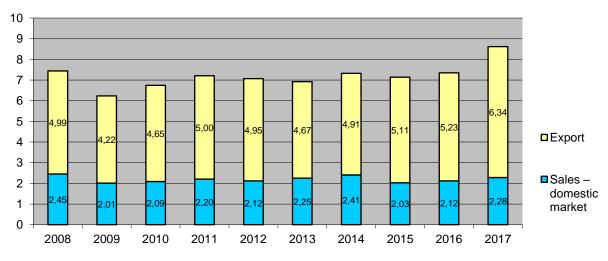
The overall picture of the presented data for 2017 shows that most of the observed parameters saw an increase compared to the previous year, whereas the remaining parameters experienced a decrease. **In 2017**, the metal industry employed 61.352 people, which represents an increase of 7,5%. Revenue in the whole metal industry rose by 17,1% in comparison to the previous year and amounted to almost  $\in$ 8,8 billion. Gross value added is 9,1% higher when compared to 2016. EBIT grew by 6,5%, and the values of ROE and ROA again registered a slight increase in comparison to 2016. Sales per employee is higher by 9,2%. The share of labour costs in gross value added has slightly changed by 0,6% compared to 2016, while the total labour cost per employee has increased by 2,1%. Gross value added per employee in 2017 has reached  $\in$ 40.281, representing a growth of 1,5%. All quoted values are for the metal processing industry as a whole.

# 1.1. Sales in domestic and international markets

Total sales in the domestic and international markets have a slightly negative trend in 2012 and 2013 in comparison to 2011. In 2009, due to the financial crisis, the sales initially decreased dramatically, but began slow recovery in 2010. In 2011, the trend continued when the sales in the domestic market rose by 5,2% and reached  $\in$ 2,2 billion, and the sales in the international markets improved by 16,5% and reached  $\in$ 5 billion. In 2012, a decrease in sales was recorded in both domestic and international markets.

Exports fell below  $\in$ 5 billion and were lower by 1,1% than in 2011, and the sales in the domestic market reached  $\in$ 2,1 billion, which is lower by 3,1% compared to the previous year. In 2013, sales were similar as in 2012, with a slight decrease in export. Export decreased to  $\in$ 4,7 billion and was lower by 5,6% than in 2012. Sales on the domestic market reached  $\in$ 2,25 billion and increased by 5,5% when compared to 2012. The year 2014 saw an upturn with an increase in sales in both domestic and international markets. Sales in the domestic market increased by 6,9% and reached  $\in$ 2,4 billion, whereas exports rose by 5,1% to almost  $\in$ 5 billion.

In 2015, total sales experienced a slight decrease due to lower sales in the domestic market (-15,6%), whereas the sales in the international markets registered an increase by 4,1%, while in 2016, total sales on both markets registered an increase by 4,3% (domestic markets) and 2,2% (foreign markets). The **2017** shows remarkable results, as sales rose by 17.1%, while exports increased by a record breaking 21.4%.



#### Sales in the domestic and international markets (in billion €)

Chart 2: Sales of the Slovenian metal processing industry in the domestic and international markets in 2017

# 1.2. Proportions of individual sectors in the metal processing industry

In the context of the whole metal processing industry, the shares of individual sectors vary. In 2017, the "Manufacture of fabricated metal products" sector (47,3% of the metal processing industry's employees) generated 35,4% of revenue, 27,8% of export, and 42,8% of gross value added of the whole metal processing industry.

In the "Manufacture of machinery and equipment" sector, the proportions are a bit more balanced: 22,2% of employees of the whole metal processing industry generated a revenue of 20,5%, 20,3% of export, and 22,2% of gross value added of the whole metal processing industry. The "Manufacture of other transport equipment" sector with 1,5% of the metal processing industry's employees generated a revenue of 1,4%, 1,6% of export, and 1,4% of gross value added of the whole metal processing industry. The "Manufacture of motor vehicles, trailers and semi-trailers" sector employed 17,2% of the metal processing industry's employees and it generated 22,2% of gross value added, 35,1% of turnover, and as much as 44,9% of the export of the metal processing industry. The "Repair and installation of machinery and equipment" sector with 11,9% of the metal processing industry's employees generated 11,4% of gross value added, 7,6% of total revenues and 5,5% of the entire Slovenian metal processing industry export.

# **EMPLOYEES**

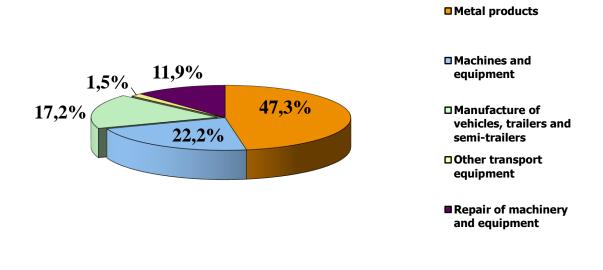
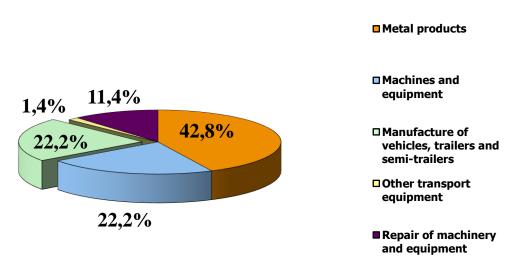


Chart 3: Structure of employees in the Slovenian metal processing industry sectors in 2017



# **GROSS VALUE ADDED**

Chart 4: Structure of gross value added in the Slovenian metal processing industry sectors in 2017

# INCOME

Metal products

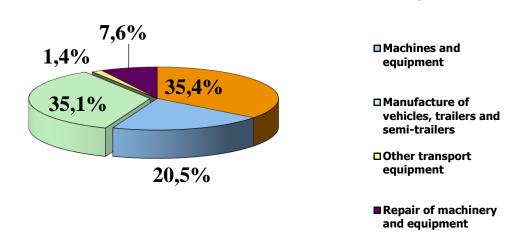


Chart 5: Income structure in the Slovenian metal processing industry sectors in 2017

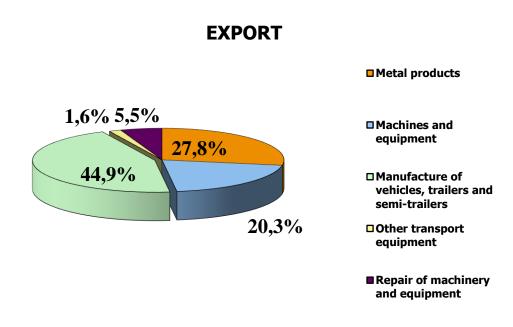
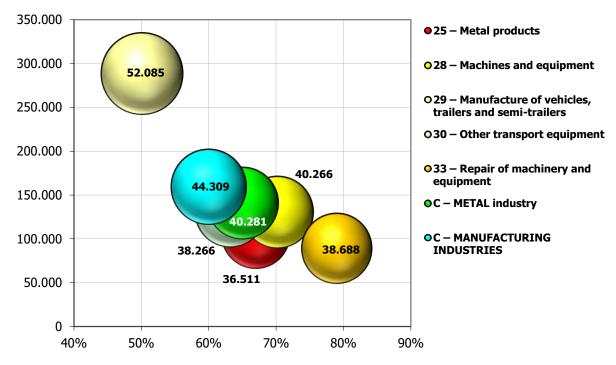


Chart 6: Export structure in the Slovenian metal processing industry sectors in 2017

# 1.3. Competitive positioning of the metal processing industry

In accordance with the study on the competitiveness of the metal processing industry, three factors are monitored: turnover per employee (To/E), gross value added per employee (GVA/E), and the ratio of labour costs to gross value added (L/GVA) as they have a decisive impact on the consumption of gross value added and the split ratio, which is intended for investment and accumulation. The following chart shows the ratio of all three variables: L/GVA (in %) on the x-axis and To/E (in  $\in$ ) on the y-axis, whereas GVA/E (in  $\in$ ) is represented by the diameter of the "bubble". The higher up and the more to the left side of the chart (high turnover per employee and low ration of labour cost to GVA) the "bubble" is

positioned and the larger the "bubble" surface (the larger the surface area, the greater the gross value added per employee), the more successful is the metal processing sector.



Position of the metal processing sectors according to To/E, L/GVA, GVA/E in the year 2017

Chart 7: Slovenian metal processing industry sectors according to To/E, L/VA, GVA/E in 2017

As Chart 7 depicts, the positions of individual metal processing sectors vary. As in previous years, the "Manufacture of motor vehicles, trailers and semi-trailers" sector (NACE 29) has the best position compared to other sectors, with the highest turnover per employee, the lowest ratio of labour costs to gross value added, and the highest gross value added per employee. In the following chapters of individual metal processing sectors, a comparison of the competitive position of the Slovenian metal processing industry sectors within comparable European sectors follows.

# 2. TRENDS IN THE METAL PROCESSING INDUSTRY AND ITS SECTORS FROM 2007 TO 2017

The following subchapters show ten-year trends in individual metal processing industry sectors, as well as a correlation between the metal processing industry and the manufacturing industries in Slovenia. The trends are observed for the following variables:

- Indices of industrial production
- Number of companies
- Number of employees
- Gross value added per employee

# 2.1. Volume index of industrial production

Note: Since January 2009, the basis for the calculation and publication of index scores is the Standard Classification of Activities 2008 (NACE 2008). The data does not include seasonal and calendar adjustments.

Index scores for the period prior to January 2009, which were originally calculated on the basis of the Standard Classification of Activities 2002 (NACE 2002), were calculated to a new version of the classification of activities by using the conversion matrices (number of employees).

	metal products	machines and equipment	manufacture of vehicles, trailers and semi-trailers	other transport equipment	manufacutring industries	EU- Orgalime
2007	8,60	14,28	15,29	11,66	8,51	5,80
2008	26,69	-17,52	-5,90	5,92	2,59	0,90
2009	-22,94	-30,14	-4,93	-19,57	-18,59	-18,40
2010	7,10	7,80	15,80	-3,40	7,10	7,50
2011	6,40	9,40	-1,40	-25,60	2,60	7,80
2012	-1,1	4,19	-10	-23,94	-1,0	-1,0
2013	1,00	-2,70	-10,30	-39,20	-1,10	-1,80
2014	2,60	1,60	12,50	-11,40	-0,40	1,70
2015	11,00	6,20	14,90	29,10	5,40	1,20
2016	17,30	6,70	-2,50	28,90	7,30	1,00
2017	4,30	14,50	25,20	14,90	4,70	4,00

Table 3: The production volume index scores of the Slovenian metal processing industry per NACE sector Source: SURS, ORGALIME

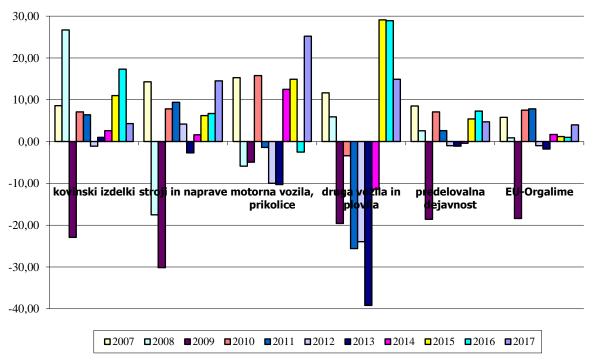


Chart 8: The production volume index scores of the Slovenian metal processing industry in % per NACE sector

In 2006, index scores were the highest in the "Other transport equipment" (NACE 30) and in the "Metal products" (NACE 25) sectors. After 2006, index scores in all sectors show a gradual increase in industrial production, but largely remain positive. Due to the financial crisis, there was a major shift in trends in 2009 as the volume index scores decreased on average by around 20% (maximum in the NACE 28 – "Manufacture of machinery and equipment n.e.c." by -30,14%).

The fall in industrial production growth was a result of the negative economic situation in Europe, to where the majority of Slovenia's metal processing industry export is oriented.

In 2010, the Slovenian metal processing industry's volume index scores were positive, except for the sector "Manufacture of other transport equipment" (-3,40%). The "Manufacture of fabricated metal products, except machinery and equipment" sector increased its volume by 7%, the "Manufacture of machinery and equipment n.e.c." by almost 8%, and the "Manufacture of motor vehicles, trailers and semi-trailers" sector by almost 16%. In 2010, the entire manufacturing sector in Slovenia recorded a growth of 7,1%.

In 2011, the sectors "Manufacture of fabricated metal products, except machinery and equipment" and "Manufacture of machinery and equipment n.e.c." continued the trend of gradual growth. Sectors "Manufacture of motor vehicles, trailers and semi-trailers" and "Manufacture of other transport equipment" continued to drop in the production volume. The production volume in the "Manufacture of other transport equipment" sector dropped by as much as 25,6%, which is the third consecutive year of negative trend from the occurrence of the financial crisis. In 2012, all index scores, except for the "Manufacture of machinery and equipment n.e.c." (+4,19%), were negative, the same as in 2013, except for the "Manufacture of fabricated metal products, except machinery and equipment". 2014 saw an upturn with all volume index scores, except for the "Manufacture of other transport equipment" sector (-11,4%), positive. In 2015 and in 2016, the positive trend continued, with all metal processing industry sectors experiencing a growth, except the "Manufacture of motor vehicles, trailers and semi-trailers" sector, which experienced a slight index decrease (-2,50%). In **2017** the positive trend continued. The largest index growth (+25,20%) was recorded in the "Manufacture of motor vehicles, trailers and semi-trailers" sector.

At the aggregate level of the manufacturing industry, the Slovenian volume index score was positive for the second year in a row and has reached a 4,3% growth, compared to the EU-ORGALIME industries with a growth of +4,0%.

Comparison to the EU average shows that the volume index scores in the technical industries have been positive ever since the beginning of the measurements in the EU-ORGALIME industries in 2003. The positive trend was followed by a sudden negative shift in 2009 by almost -20%. In 2010 and 2011, a positive shift was detected as the volume of production in the technical industry, according to ORGALIME, increased by 7,5% in 2010 and by 7,8% in 2011. In 2012, the index of production in the EU-ORGALIME industries again experienced a drop by 1% and a further decrease by 1,8% in 2013 when compared to 2012, but saw a positive shift in 2014, when the index score rose by 1,7%. The positive trend continued in 2015 and 2016, with the index score of +1,2% and index score of +1,0%.

NACE			etal duct	s		i	chin and ipme			of tra	nufac vehic ilers ni-tra	les, and		tra	other nspo ipme	rt	mac	bair o chine and ipme	ry	
year	m	S	М	L	m	S	М	L	m	S	М	L	m	S	М	L	m	S	М	L
2003		1178	51	27		403	39	25		56	9	9		54	2	5				
2004		1231	39	20		432	30	21		63	8	8		63	4	3				
2006	1197	99	35	23	398	62	33	19	55	15	8	8	62	3	2	4				
2007	1290	108	43	25	403	64	42	17	63	12	9	11	71	2	3	3				
2008	1205	127	45	23	314	76	36	17	57	15	11	11	56	1	4	2	202	3	0	2
2009	1233	142	48	24	319	79	36	15	58	14	10	11	58	1	3	1	208	4	0	2
2010	1300	134	46	22	320	78	37	14	64	12	12	8	59	1	3	0	378	10	1	3
2011	1369	131	41	23	320	74	39	13	72	12	10	8	64	0	1	0	405	13	1	3
2012	1411	143	44	21	321	76	41	15	81	14	12	14	69	0	3	1	516	16	3	3
2013	1444	159	45	20	333	76	40	17	79	11	8	9	64	1	3	1	492	19	3	3
2014	1509	152	43	21	354	80	41	14	83	10	10	10	73	0	4	0	515	17	4	4
2015	1581	173	42	19	369	81	44	13	91	11	10	9	86	2	3	0	563	18	4	4
2016	1599	185	58	12	374	83	52	6	104	27	9	9	86	2	4	0	579	28	5	3
2017	1383	443	63	11	318	137	63	6	86	27	9	11	78	14	4	0	542	91	7	2

#### 2.2. Number of companies in the metal processing industry

m – micro companies; S – small companies; M – medium companies; L – large companies

Table 4: The number of companies in the Slovenian metal processing industry per NACE sector

Comment on Table 4: Since the criteria for determining company size were changed in 2002, the data on the number of enterprises for the years 2001 and 2002 cannot be directly compared. The change occurred again in 2008 when the article in the Corporations Act that defines the size criteria for the classification of companies was redefined (see a detailed explanation below). The change again prevents direct comparison of data, but the trends are nevertheless evident. In the years from 1998 to 2001, the number of small companies in the metal processing industry decreased and then increased from 2001 onwards. The number of large companies has decreased from 2001. In 2012, a slight increase in the number of all sizes of companies can be detected. In 2013 and 2014, the number of new firms did not change significantly. Growth was recorded mainly among the micro companies. Whereas the number of medium-sized and large companies did not change drastically in 2015, a growth was recorded in the number of micro and small companies. In 2016, the number of medium-sized and large companies also did not change dramatically, however some changes in numbers were detected in the NACE activities of "Metal products" and "Machines and equipment", but the number was affected probably due to the restructuring of the companies from large to medium-sized. In 2017, the number of micro and small companies have change dramatically and were detected in the NACE activities of "Metal products" and "Machines and equipment" and "Repair of machinery and equipment", but the number was affected probably due to the restructuring of the companies from micro to small.

#### Size of a company – the criteria for definition

ZGD-1 Corporations Act (Official Gazette of the RS No 65/2009 from 14 August 2009)

<ul> <li>Article 55 (Micro, small, medium, and large companies) <ul> <li>(1) Companies in the application of this Act are divided into micro, small, medium, and large companies by the following criteria and by using the "average day" in the annual balance sheet as a reference: <ul> <li>the average number of employees during the financial year,</li> <li>net revenue from sales and</li> <li>the value of assets.</li> </ul> </li> </ul></li></ul>
<ul> <li>(2) A micro company is a company that meets two of the following criteria:</li> <li>– the average number of employees during the financial year does not exceed 10,</li> <li>– net revenue from sales does not exceed €2.000.000 and</li> <li>– the value of assets does not exceed €2.000.000.</li> </ul>
<ul> <li>(3) A small company is a company which is not a micro company from the preceding paragraph and which meets two of the following criteria:</li> <li>the average number of employees during the financial year does not exceed 50,</li> <li>net revenue from sales does not exceed €8.800.000 and</li> <li>the value of assets does not exceed €4.400.000.</li> </ul>
<ul> <li>(4) A medium company is a company which is not a micro company from the second paragraph of this Article or a small company from the preceding paragraph and which meets two of the following criteria:</li> <li>the average number of employees during the financial year does not exceed 250,</li> <li>net revenue from sales do not exceed €35.000.000, and</li> <li>the value of assets does not exceed €17.500.000.</li> </ul>
(5) A large company is a company which is not a micro company from the second paragraph of this Article or a small company.

(5) A **large company** is a company which is not a micro company from the second paragraph of this Article or a small company from the third paragraph of this Article and is not a medium company from the preceding paragraph.

Shares in relation to the size of companies in the metal processing industry for the **year 2017** remained fairly similar to 2016. The shares according to the size of the company were: micro and small companies represented 94,7% of all companies, medium companies represented 4,4%, whereas large companies represented 0,9%.

NACE	metal products			ucts			chines uipme		manufacture of vehicles, trailers and semi-trailers			other transport equipment			repair of machinery and equipment					
year	m	S	М	L	m	S	М	L	m	S	М	L	m	S	М	L	m	S	М	L
2003		8272	5386	9478		3987	4149	4896		787	1113	5041		298	269	2345				
2004		10149	4419	9017		4996	3689	4773		1052	1120	5566		334	732	1646				
2006	7093	4766	4541	9400	2296	2941	4093	5093	400	804	1340	6355	224	86	301	1965				
2007	9440	4423	5064	8936	2229	2825	5035	5022	458	535	1485	7473	338	36	392	1762				
2008	7819	5654	5696	8173	1904	3237	4513	5892	372	715	1523	7817	244	39	679	608	558	76	0	##
2009	6425	5489	5303	7203	1842	3066	4545	4971	281	578	1156	7015	200	49	312	178	550	82	0	1880
2010	7347	5003	4802	6918	1730	2836	4063	4113	326	509	1560	6771	189	53	327	0	1422	346	214	2114
2011	7715	5258	4442	6629	1787	2607	4422	4334	368	484	1409	6709	152	0	326	0	1504	576	217	2438
2012	7291	5574	5058	6039	1696	2489	4659	4082	385	620	1893	10707	153	0	329	71	2001	680	530	3457
2013	7016	5846	5150	5801	1421	2493	4313	4355	324	522	1050	6891	175	0	291	66	1954	955	455	3314
2014	7823	5449	5209	6036	1477	2602	4468	3329	366	486	1148	7757	201	0	363	0	2204	700	786	3296
2015	8079	6163	5123	6301	1534	2560	5015	3133	395	385	1397	8108	208	39	314	0	2450	619	721	3194
2016	8397	6433	7188	5539	1465	2592	6303	2292	485	415	1060	6917	249	22	414	0	2331	1035	719	3090
2017	4640	11007	7794	5512	769	2971	7419	2423	254	698	1032	8545	102	292	511	0	1521	1833	1518	2388

# 2.3. Number of employees in the metal processing industry

m – micro companies; S – small companies; M – medium companies; L – large companies

Table 5: The number of employees in the Slovenian metal processing industry in 2017 per NACE sector

As it is the case in *Table 4: The number of companies in the Slovenian metal processing industry*, Table 5 also shows distorted trends due to changes in the criteria for determining a company's size. Consequently, the data for the years 2001 and 2002 as well as for 2007 and 2008 are not directly comparable. Nevertheless, the trends are visible and show that the number of employees in small companies has increased, whereas it has decreased in medium and large companies.

**In 2017**, the Slovenian metal processing industry employed 61.352 workers, which marks a 7,5% increase compared to the year before. The comparison of the number of employees by sector shows that unlike other sectors, the "Manufacture of motor vehicles, trailers and semi-trailers" and the "Repair of machinery and equipment" sectors have the largest share of employees in large companies. In 2017, micro companies employed 11,9% of the industry's employees, small companies 27,4%, medium companies 29,8%, whereas large companies employed 30,8% (a decrease of 0,5%) of the metal processing industry's employees (data refers to the NACE sectors 25, 28, 29, 30, and 33).

# 2.4. Gross value added per employee

Gross value added per employee in the Slovenian metal processing industry has been generally increasing throughout the years after the crisis year of 2009. In 2009, it declined in almost all metal processing sectors. In the years 2010 and 2011 it again saw an increase in all sectors, except in the "Manufacture of other transport equipment" sector, where it declined by more than 15%. In 2012, a fall of gross value added per employee was recorded in almost all sectors, except in "Manufacture of machinery and equipment n.e.c." and " Manufacture of other transport equipment", whereas in 2013 all metal processing sectors increased its average gross value added per employee (GVA/E). In 2014, the positive trend continued, except in the "Manufacture of other transport equipment" sector which experienced a substantial decrease. In 2015 and in 2016, the trend continued to grow.

In **2017** gross value added per employee reached  $\leq$ 40.281 (growth of 1,5% compared to 2016) in the metal processing industry and  $\leq$ 44.309 (growth of 3,4%) in all Slovenian manufacturing industries. Individual metal processing sectors realized the following results: in the "Manufacture of other transport equipment" sectors, the GVA/E amounted to  $\leq$ 38.266 (a 9,3% decrease), in "Manufacture of machinery and equipment n.e.c.« to  $\leq$ 40.266 (a 0,4% increase), in the sector "Manufacture of fabricated metal products, except machinery and equipment", the GVA/E fell to  $\leq$ 34.310, which is a 5,7% decrease, and to  $\leq$ 52.085 with an increase of 2,1% in the "Manufacture of motor vehicles, trailers and semi-trailers" sector.

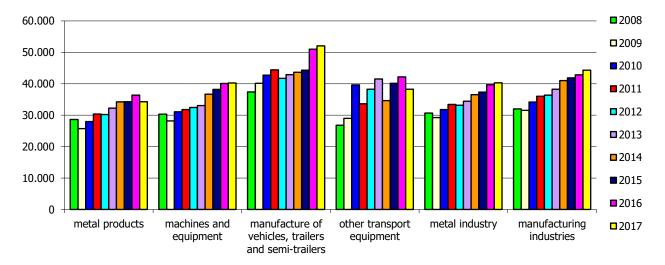


Chart 9: Gross value added per employee in the Slovenian metal processing companies per NACE sector in € for the timeframe from 2008 to 2017

# 2.5. Competitive position of companies by size

Basic economic data for the metal processing industry companies in terms of their size:

	metal processing industry		large companies	micro companies	small companies	medium-sized companies
	value in 2017	Index 16/15	value in 2017	value in 2017	value in 2017	value in 2017
Number of companies	3.329	102,70	30	2.437	715	147,0
Avg. number of employees	61.352	107,50	18.867	7.324	16.835	18.326
Total revenue (w/o change in stocks)	8.771.976.717	117,10	4.185.129.703	560.545.788	1.757.511.483	2.268.789.743
Gross profit	8.785.349.763	117,10	4.180.969.695	557.242.730	1.762.492.420	2.284.644.918
Sales	8.622.185.473	117,40	4.135.518.924	546.129.493	1.723.329.927	2.217.207.129
Domestic sales	2.280.466.418	107,70	472.612.291	379.441.666	871.597.528	556.814.934
Foreign sales	6.341.719.054	121,40	3.662.906.633	166.687.827	851.732.399	1.660.392.195
Total expenses	8.370.397.969	117,60	3.998.257.866	533.703.295	1.660.067.134	2.178.369.674
Cost of goods, materials and services	6.262.111.170	120,60	3.254.812.954	339.144.894	1.119.474.513	1.548.678.810
Employee benefits expense	1.613.596.305	109,80	540.063.890	151.397.454	423.041.370	499.093.592
Depreciation expense	350.692.292	110,40	163.387.378	25.859.972	81.221.596	80.223.347
OPERATING PROFIT	469.222.750	106,00	200.271.099	30.437.986	116.562.498	121.951.168
FINANCIAL PROFIT/LOSS	-23.626.273	99,20	-3.748.065	-2.829.079	-9.047.350	-8.001.779
EBIT	475.071.922	106,50	199.471.905	31.304.429	120.483.905	123.811.683
EBITDA	863.551.122	108,00	372.856.912	62.454.687	210.235.627	218.003.896
Income tax expense	56.591.223	115,60	17.037.087	5.959.863	16.177.804	17.416.469

Net profit	449.427.492	108,40	188.218.039	36.395.884	105.784.014	119.029.555
Net loss	53.569.593	143,60	7.655.267	13.745.334	10.549.027	21.619.965
NET PROFIT/LOSS	395.857.899	104,90	180.562.772	22.650.550	95.234.987	97.409.590
Cash flow from operations (net profit+ depreciation)	784.337.099	107,40	353.947.778	53.800.808	184.986.710	191.601.803
Gross value added	2.471.298.255	109,10	913.719.996	212.985.698	629.355.590	715.236.972
ASSETS	6.179.415.346	111,50	2.216.311.192	647.935.094	1.506.944.644	1.808.224.417
Inventories	1.106.425.763	114,20	437.327.712	57.540.904	213.430.136	398.127.011
Equity	2.807.808.787	110,30	955.656.274	266.253.136	726.958.668	858.940.709
Equity ratio (%)	45	98,90	43	41	48	47,5
Debt/equity ratio	1,10	100,00	1,20	1	1,00	1,0
Debt ratio (LT+ST liabilities/assets)	0,50	100,00	0,50	1	0,50	0,5
Total revenue/total expenses	1,00	90,90	1,00	1	1,10	1,0
EBITDA margin (%)	10,00	91,70	9,00	11	12,20	9,8
_ROE (%)	14,80	94,90	19,40	10	14,00	11,9
ROA (%)	6,80	95,80	8,50	4	6,70	5,6
Sales per employee (EUR)	140.537	109,20	219.190	74.565	102.368	120.990
Share of foreign sales (%)	74	103,40	89	31	49	74,9
Labour costs per employee (EUR)	26.301	102,10	28.624	20.671	25.129	27.235
Average wage per employee (EUR)	19.198	102,20	20.416	14.934	18.637	20.164
Gross value added per employee (EUR)	40.281	101,50	48.429	29.080	37.385	39.030
Labour costs in gross value added (%)	65	100,60	59	71	67	69,8
Net profit per employee (EUR)	7.325	100,80	9.976	4.969	6.284	6.495
Net loss per employee (EUR)	873	133,60	406	1.877	627	1.180
Gross monthly wage per employee (EUR)	1.600	102,20	1.701	1.245	1.553	1.680
	value in 2017	Index 16/15	value in 2017	value in 2017	value in 2017	value in 2017
	metal processing industry		large companies	micro companies	small companies	medium-sized companies

Table 6: Basic economic data for the Slovenian metal processing companies according to size in 2017

**In 2017**, the income index of the Slovenian metal processing industry is 117,1, which shows a significant increase of revenue compared to 2016. Turnover on foreign markets has increased by enormous 21,4%. The majority of revenue was generated by large companies with  $\in$ 4,2 billion of revenue. Earnings before interest and taxes (EBIT) in the whole Slovenian metal processing industry shows an increase of 6,5% in 2017. Net profit per employee increased by 0,8%, whereas net loss per employee increased substantially in 2016 by 33,6% and amounted to  $\in$ 873 per employee. The largest loss per employee has been created in micro companies, where it amounted to  $\in$ 1.877 per employee.

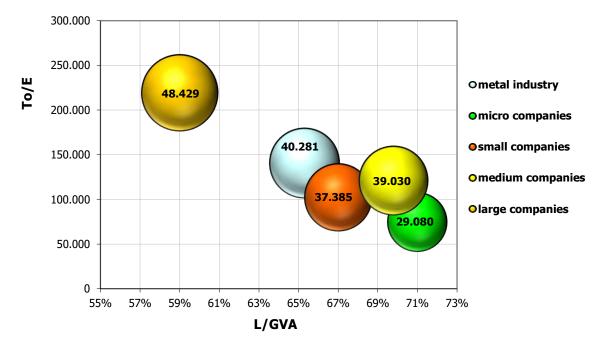


Chart 10: Competitive position of the Slovenian metal processing companies according to their size in 2017

**Chart 10 shows a comparison of the competitive position of the metal processing industry according to company size.** Three different parameters have been taken into account for the comparison: turnover per employee (To/E), gross value added per employee (GVA/E) and the ratio of labour costs to gross value added (L/GVA).

**In 2017**, the entire Slovenian metal processing industry (all companies included) generated €140.537 of turnover per employee, €40.281 of gross value added per employee and had 65% of labour costs in gross value added. In classification by size, best results continued to be observed in large companies with €219.190 turnover per employee, €48.429 of gross value added per employee and the lowest share of labour costs in value added at 59%.

Medium-sized companies, with a slightly lower turnover per employee at €120.990, show similar results as the whole metal processing industry with recorded €39.030 gross value added per employee but higher labour costs in gross value added at 69,8%. Small companies have €102.368 turnover per employee, €37.385 of gross value added per employee and 67% of labour costs in gross value added. Micro companies realized €74.565 of turnover per employee, €29.080 of gross value added per employee and have the highest proportion of labour costs in gross value added at 71%.

# 2.6. Competitive position of companies according to the origin of capital

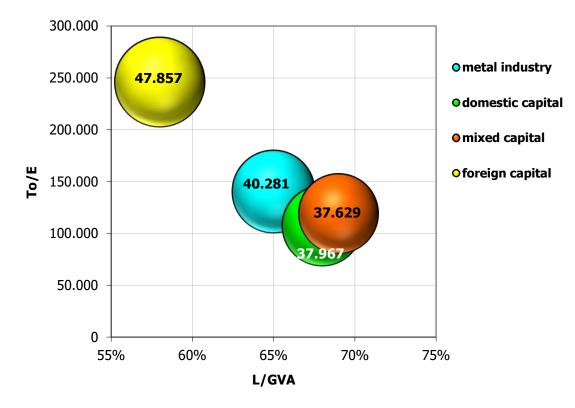
Basic economic data in the metal processing industry companies according to the origin of the capital (domestic, foreign, mixed capital):

	metal processing industry		domestic capital		foreign capital		mixed capital	
	value in 2017	Index 17/16	value in 2017	Index 17/16	value in 2017	Index 17/16	value in 2017	Index 17/16
Number of companies	3.329	102,70	2.930	102,90	292	102,10	107	100,00
Avg. number of employees	61.352	107,50	43.778	104,30	14.461	119,70	3.112	102,50
Total revenue (w/o change in								
stocks)	8.771.976.717	117,10	4.796.864.561	106,00	3.596.933.565	139,10	378.178.591	99,20
Gross profit	8.785.349.763	117,10	4.799.659.120	106,00	3.605.431.847	138,90	380.258.796	100,40
Sales	8.622.185.473	117,40	4.695.663.077	106,20	3.555.741.938	139,50	370.780.458	98,70
Domestic sales	2.280.466.418	107,70	1.926.389.661	104,80	273.555.272	127,20	80.521.485	124,10
Foreign sales	6.341.719.054	121,40	2.769.273.415	107,30	3.282.186.666	140,70	290.258.973	93,40
Total expenses	8.370.397.969	117,60	4.528.457.351	106,30	3.481.925.271	139,40	360.015.347	99,70
Cost of goods, materials and								
services	6.262.111.170	120,60	3.103.622.614	106,80	2.899.318.884	143,30	259.169.672	99,00
Employee benefits expense	1.613.596.305	109,80	1.131.198.954	105,80	402.042.764	123,80	80.354.587	105,50
Depreciation expense	350.692.292	110,40	195.048.819	105,00	143.176.890	120,30	12.466.583	97,60
OPERATING PROFIT	469.222.750	106,00	308.324.698	98,90	137.970.460	125,10	22.927.592	111,80
FINANCIAL PROFIT/LOSS	-23.626.273	99,20	-17.678.422	105,00	-4.328.728	79,20	-1.619.124	105,90
EBIT	475.071.922	106,50	314.204.367	99,90	137.703.903	124,20	23.163.652	111,50
EBITDA	863.551.122	108,00	536.796.306	102,20	289.761.244	122,70	36.993.572	97,70
Income tax expense	56.591.223	115,60	40.196.952	112,50	13.305.522	125,60	3.088.749	116,90
Net profit	449.427.492	108,40	288.020.411	101,30	142.083.920	129,50	19.323.161	93,40
Net loss	53.569.593	143,60	34.635.026	176,50	17.032.185	121,30	1.902.381	52,30
NET PROFIT/LOSS	395.857.899	104,90	253.385.385	95,80	125.051.734	130,70	17.420.780	102,20
Cash flow from operations								
(net profit+ depreciation)	784.337.099	107,40	475.977.324	100,10	277.109.076	125,40	31.250.699	91,60
Gross value added	2.471.298.255	109,10	1.662.115.591	104,40	692.070.566	123,50	117.112.098	102,90
ASSETS	6.179.415.346	111,50	3.994.531.903	103,60	1.901.419.709	134,40	283.463.735	105,10
Inventories	1.106.425.763	114,20	740.745.525	108,50	308.862.895	130,30	56.817.342	114,80
Equity	2.807.808.787	110,30	1.895.855.380	106,30	781.302.311	123,70	130.651.096	100,30
Equity ratio (%)	45	98,90	48	102,60	41	91,90	46	95,40
Debt/equity ratio	1,10	100,00	1,00	90,90	1,30	118,20	1,10	110,00
Debt ratio (LT+ST								
liabilities/assets)	0,50	100,00	0,50	100,00	0,50	100,00	0,50	100,00
Total revenue/total expenses	1,00	90,90	1,10	100,00	1,00	100,00	1,10	100,00
EBITDA margin (%)	10,00	91,70	11,40	95,80	8,10	87,10	10,00	99,00
ROE (%)	14,80	94,90	13,90	88,50	17,30	110,90	13,90	97,20
ROA (%)	6,80	95,80	6,60	93,00	7,30	105,80	6,50	98,50
Sales per employee (EUR)	140.537	109,20	107.261	101,90	245.880	116,50	119.135	96,30
Share of foreign sales (%)	74	103,40	59	101,00	92	100,80	78	94,70
Labour costs per employee								
(EUR)	26.301	102,10	25.839	101,40	27.801	103,40	25.819	102,90
Average wage per employee	10.100		10.005		00 0C i		10.04	
_(EUR)	19.198	102,20	18.925	101,90	20.081	102,30	18.941	102,80

Gross value added per employee (EUR)	40.281	101,50	37.967	100,10	47.857	103,10	37.629	100,40
Labour costs in gross value added (%)	65	100.60	68	101,30	58	100.20	69	400.40
Net profit per employee (EUR)	7.325	100,80	6.579	97,10	9.825	100,20	6.209	<u>102,40</u> 91,10
Net loss per employee (EUR)	873	133,60	791	169,10	1.178	101,30	611	51,00
Gross monthly wage per employee (EUR)	1.600	102,20	1.577	101,90	1.673	102,30	1.578	102,80
	value in 2017	Index 17/16	value in 2017	Index 17/16	value in 2017	Index 17/16	value in 2017	Index 17/16
	metal processing industry		domestic capital		foreign capital		mixed capital	

Table 7: Basic economic data of the Slovenian metal processing industry companies according to the origin of capital in 2017

Most of the companies in the Slovenian metal processing industry are financed by domestic capital. **In 2017**, the majority of revenue was created in companies with domestic capital, amounting to  $\leq$ 4,8 billion. Companies with only foreign capital recorded revenue growth of 39,1%, companies financed by mixed capital experienced a slight fall of revenue of 0,8%, whereas companies financed only by domestic capital experienced a increase in revenue of 6,0%. The highest gross value added per employee was in companies with foreign capital ( $\leq$ 47.857), while the highest ratio of labour costs to value added was in companies financed by mixed capital at 69%.



*Chart 11: Competitive position of the Slovenian metal processing companies according to the origin of their capital in 2017* 

Chart 11 shows the comparative competitive position of the metal processing industry companies according to the origin of capital. As in the previous chapter/chart, the following parameters have been included: To/E, L/GVA, and GVA/E.

**In 2017**, the entire Slovenian metal processing industry (all companies included) generated  $\in$ 140.537 of turnover per employee,  $\in$ 40.281 of gross value added per employee and had 65% of labour costs in gross value added.

Companies with domestic capital recorded €107.261 of turnover per employee, €37.967 of gross value added per employee and have 68% of labour costs in gross value added. Companies with capital of foreign origin have €245.880 of turnover per employee, €47.857 of gross value added per employee and 58% of labour costs in gross value added. Companies with mixed capital demonstrate a €119.135 turnover per employee, €37.629 of gross value added per employee and have 69% of labour costs in gross value added.

# 3. EXPORT IN THE SLOVENIAN METAL PROCESSING INDUSTRY

	metal processing industry		NACE 25 metal products	NACE 28 machinery and equipment	NACE 29 motor vehicles, trailers and semi-trailers	NACE 30 other transport equipment	NACE 33 repair and installation of machinery and equipment
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017	value in 2017	value in 2017
Number of companies	3.329	102,70	1.900	524	133	96	642
Avg. number of employees	61.352	107,50	28.954	13.582	10.528	905	7.260
Total revenue (w/o change in _stocks)	8.771.976.717	117,10	3.104.692.062	1.796.580.492	3.070.174.951	122.885.808	664.042.357
Gross profit	8.785.349.763	117,10	3.112.539.196	1.811.352.866	3.059.352.943	125.120.946	663.425.030
Sales	8.622.185.473	117,40	3.040.773.149	1.769.173.184	3.035.186.201	118.068.486	645.657.678
Domestic sales	2.280.466.418	107,70	1.279.425.759	483.402.174	189.002.599	18.882.152	296.984.164
Foreign sales	6.341.719.054	121,40	1.761.347.390	1.285.771.009	2.846.183.602	99.186.334	348.673.514
Gross value added	2.471.298.255	109,10	1.057.139.560	546.908.143	548.370.446	34.623.385	280.868.773
Sales per employee (EUR)	140.537	109,20	100.792	130.256	288.284	130.488	88.936
Share of foreign sales (%)	74	103,40	55	73	94	84	54
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017	value in 2017	value in 2017
	metal processing industry		NACE 25 metal products	NACE 28 machinery and equipment	NACE 29 motor vehicles, trailers and semi-trailers	NACE 30 other transport equipment	NACE 33 repair and installation of machinery and equipment

Table 8: Export of Slovenian metal processing industry in 2017

Table 8 shows that the sector NACE 29 (Manufacture of motor vehicles, trailers and semi-trailers) was the largest exporter in the Slovenian metal processing industry in 2016 at €2,85 billion, followed by NACE 25 (Manufacture of fabricated metal products, except machinery and equipment) with export of €1,76 billion and NACE 28 (Manufacture of machinery and equipment n.e.c.) with €1,29 billion of export. The Slovenian metal processing industry is export-oriented. Its export share exceeds half of income in all industry's sectors; the largest share of exports in income is in NACE 29. The share of exports in income has been increasing since 1998 in all sectors of the Slovenian metal processing industry with the exception of the year 2009, when a decline of 17% was recorded. The first financial crisis year of 2009 was followed by an over 10% increase in 2010 and by another 7,7% increase in 2011. In 2012, a slightly negative trend was recorded with a 1,1% decline and was followed by another "negative" two years of 2013 and 2014 with a further 3,2% and 0,6% decrease respectively. The years 2015 and 2016 saw an upturn with an increase in foreign sales. Sectors NACE 33 (Repair and installation of machinery and equipment) and NACE 95.22 (Repair of household appliances and home and garden equipment) deviate from presented trends due to their focus on the domestic market. **In 2017** the foreign sales

rise up by 21,4% in the whole metal processing industry. Comparison of export shares in companies' income for 2017 shows that in NACE 29, companies realize as much as 94% of their income through export, followed by NACE 30 with a 84% and NACE 28 with a 71% share.

The table presents shares in export in the Slovenian metal processing industry in 2017 for selected sectors.

NACE code and description	number of companies	export	export index 2016/2015	share of export - metal industry (%)
29.100 - Manufacture of motor vehicles	21	1.617.424.904	145,9	25,50%
29.320 - Man. of oth. parts, accessor. for motor vehicles	74	630.592.449	122,2	9,94%
29.200 - Man. of bodies for mot. veh., trail., semi-trail.	38	598.166.249	117,8	9,43%
25.110 - Man. of metal structures and parts of structures	389	460.511.477	108,8	7,26%
25.620 - Machining	631	305.751.343	113,1	4,82%
33.200 - Installation of ind. machinery and equipment	333	303.494.986	115,5	4,79%
25.990 - Man. of other fabricated metal products n.e.c.	308	293.159.370	108,5	4,62%
28.220 - Manufacture of lifting and handling equipment	55	266.102.328	119,9	4,20%
25.500 - Forging, pressing, stamping and roll-forming	40	222.344.080	111,0	3,51%
25.732 - Manufacture of other tools	175	162.534.177	110,1	2,56%
28.300 - Man. of agricultural and forestry machinery	41	149.517.778	120,5	2,36%
28.990 - Man. of other special-purpose machinery n.e.c.	96	142.857.240	105,3	2,25%
25.720 - Manufacture of locks and hinges	21	138.703.101	111,4	2,19%
28.150 - Man. of bearings, gears, driving elements	22	105.895.863	110,0	1,67%
28.930 - Manufacture of machinery for food, beverage,	25	97.926.939	115,2	1,54%
28.490 - Manufacture of other machine tools	26	75.749.926	112,7	1,19%
28.290 - Manufacture of other general-purpose machinery	63	64.491.909	116,9	1,02%
28.120 - Manufacture of fluid power equipment	22	57.749.072	123,0	0,91%
other				
metal industry in total	3.329	6.341.719.054	121,4	100,00%

Table 9: Export of Slovenian metal processing industry in 2017 – only exporting sectors

Slovenian metal processing industry exports to all countries of the world. Traditionally, the strongest countries Slovenia exports to are Germany, Austria, France, and Italy. Geographic focus remains similar **in 2017** as it was in 2016.

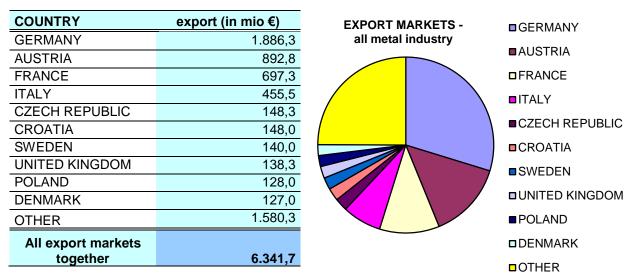


Table 10: Export of the Slovenian metal processing industry in 2017

The total export of the Slovenian metal processing industry **for 2017** shows a 21,4% increase. Traditionally, the industry's largest "client" is Germany ( $\in$ 1.886,3 million), which continues to remain the most important export market. Other three largest export markets of the Slovenian metal processing industry are: Austria ( $\in$ 892,8 million), France ( $\in$ 697,3 million) and Italy ( $\in$ 455,5 million).

## 4. REVIEW OF THE SLOVENIAN METAL PROCESSING INDUSTRY SECTORS IN 2017

# 4.1. MANUFACTURE OF FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT – NACE 25

"Manufacture of fabricated metal products, except machinery and equipment" sector includes following sub-sectors:

- 25.1 Manufacture of structural metal products
- 25.2 Manufacture of tanks, reservoirs, and containers of metal
- 25.3 Manufacture of steam generators, except central heating hot water boilers
- 25.4 Manufacture of weapons and ammunition
- 25.5 Forging, pressing, stamping, and roll-forming of metal, powder metallurgy
- 25.6 Treatment and coating of metals, machining
- 25.7 Manufacture of cutlery, tools, and general hardware
- 25.9 Manufacture of other fabricated metal products

# 4.1.1. Income, employment, gross value added, profit, cost of labour and export of metal products

Explanation regarding the missing subsectors: where a specific aggregate includes less than three companies or a company has a dominant role in this aggregate, the data is not published due to confidential nature of data for a specific company. In the sector NACE 25, this rule applies to 25.4 – "Manufacture of weapons and ammunition".

Table 11 shows basic subsector data for the "Manufacture of fabricated metal products, except machinery and equipment" sector for the year 2017.

	NACE 25 metal products		25.1.	25.2.	25.3.	25.5.	25.6.	25.7.	25.9.
	value in 2017	Index 17/16	value in 2017						
Number of companies	1.900	102,50	477	30	7	40	734	214	396
Avg. number of employees	28.954	105,00	6.782	498	8	3.148	7.911	4.693	5.902
Total revenue (w/o change in stocks)	3.104.692.062	108,10	826.903.873	39.556.598	629.345	393.470.865	621.655.824	499.411.831	720.110.218
Gross profit	3.112.539.196	108,50	832.639.983	39.847.483	625.477	391.150.403	625.406.697	503.523.238	716.400.411
Sales	3.040.773.149	108,40	809.798.722	38.995.767	599.925	383.840.137	611.580.324	488.491.984	704.567.315
Domestic sales	1.279.425.759	106,20	317.325.135	12.938.864	288.019	161.496.057	290.663.812	174.183.255	322.342.202
Foreign sales	1.761.347.390	110,00	492.473.587	26.056.904	311.906	222.344.080	320.916.512	314.308.729	382.225.113
Total expenses	2.954.002.192	109,20	796.832.945	38.573.029	1.381.637	375.294.984	586.765.691	473.760.356	678.828.306
Cost of goods, materials and services	2.034.072.722	110,30	581.070.051	24.519.085	493.795	272.978.663	354.326.449	310.565.316	488.045.267
Employee benefits expense	709.059.790	107,00	167.935.792	11.925.997	122.194	84.522.725	183.135.529	119.187.386	141.928.278
Depreciation expense	143.811.230	107,90	29.369.652	1.491.096	8.141	10.092.661	34.333.429	34.609.925	33.748.313
OPERATING PROFIT	184.677.436	97,00	40.964.493	1.635.634	-744.983	20.752.024	43.877.148	34.568.235	43.219.717
FINANCIAL PROFIT/LOSS	-10.981.202	100,30	-2.570.513	-295.795	1.337	-1.825.997	-3.369.794	-1.639.555	-1.258.725
EBIT	188.381.329	97,40	41.944.850	1.702.732	-753.211	20.701.444	44.722.900	35.471.037	44.187.592
EBITDA	351.783.663	102,70	79.216.433	3.300.407	-745.071	31.352.604	83.700.595	71.250.752	83.145.946
Income tax expense	24.545.271	120,30	6.501.485	270.050	4.442	1.526.731	5.891.498	3.706.916	6.605.254
Net profit	175.217.660	98,30	39.734.772	1.474.734	31.231	17.577.429	42.436.594	30.886.681	42.733.289
Net loss	23.817.583	152,10	6.696.598	335.547	787.547	230.603	6.915.201	2.615.903	6.236.185
NET PROFIT/LOSS	151.400.077	93,20	33.038.175	1.139.187	-756.316	17.346.826	35.521.393	28.270.778	36.497.105

Cash flow from operations (net profit+									
depreciation)	314.802.412	101,00	70.309.757	2.736.862	-748.176	27.997.987	74.499.088	64.050.493	75.455.458
Gross value added	1.057.139.560	105,50	246.171.868	15.159.306	-614.649	115.925.910	265.990.371	189.535.336	224.106.348
ASSETS	2.682.617.027	106,90	666.095.378	39.028.919	2.967.877	351.921.708	499.368.726	483.060.954	637.374.823
Inventories	425.078.422	110,90	85.516.941	6.746.371	10.667	89.242.265	48.913.775	90.065.444	104.101.298
Equity	1.310.457.253	110,00	332.794.800	16.646.032	1.741.590	146.574.774	241.802.881	232.573.077	337.038.219
Equity ratio (%)	49	102,70	50	43	59	42	48	48	53
Debt/equity ratio	1,00	100,00	0,90	1,30	0,10	1,30	1,00	1,00	0,80
Debt ratio (LT+ST	0.50		0.40	0.50	0.40	0.00	0.50	0.50	0.40
liabilities/assets) Total revenue/total	0,50	100,00	0,40	0,50	0,10	0,60	0,50	0,50	0,40
expenses	1,10	100,00	1,00	1,00	0,50	1,00	1,10	1,10	1,10
EBITDA margin (%)	11,60	95, 10	9,80	8,50	-124,20	8,20	13,70	14,60	11,80
ROE (%)	12,00	83,30	10,50	7,20	-35,60	11,30	15,70	12,80	11,30
ROA (%)	5,80	86,60	5,20	3,10	-21,80	4,80	7,50	6,10	5,90
Sales per employee (EUR)	105.020	103,20	119.397	78.324	75.748	121.923	77.305	104.088	119.375
Share of foreign sales (%)	58	101,40	61	67	52	58	53	64	54
Labour costs per employee (EUR)	24.489	101,80	24.761	23.954	15.429	26.848	23.149	25.397	24.047
Average wage per employee (EUR)	18.039	101,90	18.377	17.479	10.584	19.508	17.080	18.827	17.575
Gross value added per employee (EUR)	36.511	100,40	36.296	30.448	-77.607	36.823	33.622	40.386	37.970
Labour costs in gross value added (%)	67,1	101,50	68,2	78,7	-19,9	72,9	68,9	62,9	63,3
Net profit per employee (EUR)	6.052	93,60	5.859	2.962	3.943	5.583	5.364	6.581	7.240
Net loss per employee (EUR)	823	144,80	987	674	99.438	73	874	557	1.057
Gross monthly wage per employee (EUR)	1.503	101,90	1.531	1.457	882	1.626	1.423	1.569	1.465
	value in 2017	Index 17/16	value in 2017						
	NACE 25 metal products		25.1.	25.2.	25.3.	25.5.	25.6.	25.7.	25.9.

Table 11: Basic economic data for the subsectors of the "Manufacture of fabricated metal products, except machinery and equipment" sector (NACE 25) in 2017

**In 2017**, the Slovenian manufacture of fabricated metal products sector (NACE 25) recorded mostly positive index scores. Revenue on the sector's level increased by 8,1%. Highest revenue was generated in NACE 25.1 (Manufacture of structural metal products), amounting to  $\in$ 826,9 million. The lowest income was recorded in the subsector NACE 25.3 (Manufacture of steam generators, except central heating hot water boilers) at  $\in$ 629.345.

The total export of the Slovenian sector 25 in 2017 was 10% higher than in 2016 and it amounted to €1,8 billion. EBIT recorded a substantial fall with -2,6%. Gross value added per employee reached €36.511, which is 0,4% higher than in 2016. Not including subsector 25.3 (Manufacture of steam generators, except central heating hot water boilers) with gross value added per employee reaching € -77.607 (!), the highest gross value added per employee was in subsector 25.7 (Manufacture of cutlery, tools, and general hardware) at €40.386, while the lowest was in 25.2 (Manufacture of tanks, reservoirs, and containers of metal), where it amounted to €30.448. In sector 25, ROE and ROA recorded a positive result in 2016: ROE 14,36 and ROA 6,74. Labour costs in gross value rose by 1,5%, while labour costs per employee increased by 1,8% and reached the value of €24.489.

#### 4.1.2. Companies

In the following tables, ten top NACE 25 companies by gross value added for each size category are presented. The companies are listed alphabetically within the specific size category.

**Micro companies** 

Top 10 by gross value added

AEMF, MEHANSKA OBDELAVA KOVIN, D.O.O. HTS IC D.O.O. PROIZVODNJA IN TRGOVINA KOVINOPLASTIKA CARLI, OBDELAVA KOVIN, D.O.O. KOVINOSTRUGARSTVO KOREZ DRUŽBA ZA PROIZVODNJO, MONTAŽO IN PREVOZ, D.O.O. MED-EKO MEŠANA DEJAVNOST KOVINSKE OBRTI IN TRGOVINA D.O.O. OPIFEX PODJETJE ZA PROIZVODNJO, STORITVE IN TRGOVINO D.O.O. REMONTING KOVINSKA OPREMA, D.O.O. TEHMETAL, ORODJARSTVO, INŽENIRING IN TRGOVINA D.O.O. VAMAR TT, PROIZVODNJA, TRGOVINA IN STORITVE, D.O.O. VUMA, OBDELAVA KOVIN IN DRUGE STORITVE, D.O.O

#### Small companies

#### Top 10 by gross value added

HIDRIA - IP, D.O.O., DRUŽBA ZA PROIZVODNJO IZOLACIJSKIH IZDELKOV, TOLMIN INT TEŽAK, DRUŽBA ZA PROIZVODNJO IN MEHANSKO OBDELAVO KOVIN, D.O.O. JP.MONTAGE, D.O.O. MONTAŽA ŠKRBAN, PROIZVODNJA, STORITVE IN INŽENIRING D.O.O. MONTPRO PODJETJE ZA PROIZVODNJO IN STORITVE D.O.O. NOVI PLAMEN, HLADNO PREOBLIKOVANJE IN ELEMENTI ZA SPAJANJE, KROPA, D.O.O. ORO ORODJARNA, PODJETJE ZA PROIZVODNJO, D.O.O. POVŠE METAL PROIZVODNJA IN TRGOVINA D.O.O. RM-LH IZOLA, PROIZVODNJA, PROMET IN STORITVE, D.O.O. TEHNOLOŠKI CENTER JAKL SPLOŠNA MEHANIČNA DELA D.O.O.

#### Medium-sized companies

#### Top 10 by gross value added

ALUMINIUM KETY EMMI, PREDELAVA ALUMINIJA, D.O.O. AREX PROIZVODNJA ORODIJ, NAPRAV IN STORITVE D.O.O. ŠENTJERNEJ CNC P&K-PUŠNIK PROIZVODNJA IN TRGOVINA D.O.O. EMO - ORODJARNA PROIZVODNA DRUŽBA D.O.O. GABRIJEL ALUMINIUM PROIZVODNJA KOVINSKIH IZDELKOV D.O.O. GORENJE ORODJARNA, D.O.O., VELENJE, PARTIZANSKA 12 KOLEKTOR ORODJARNA NAČRTOVANJE IN IZDELAVA ORODIJ TER ORODJARSKE STORITVE D.O.O. MAROVT PROIZVODNO IZVOZNO UVOZNO PODJETJE, D.O.O. MONTER DRAVOGRAD PROIZVODNJA IN STORITVE D.O.O. WILLY STADLER PROIZVODNJA IN TRGOVINA D.O.O.

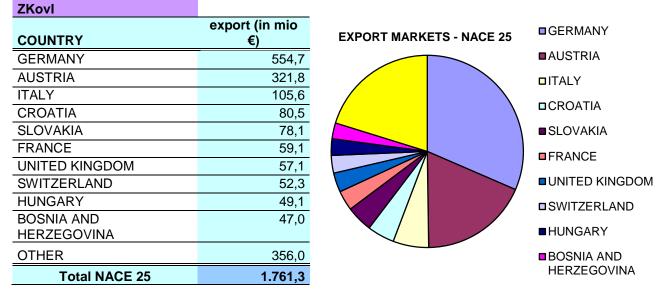
#### Large companies

#### Top 10 by gross value added

ARCONT, PROIZVODNJA BIVALNIH ENOT D.D. IMPOL PALICE, CEVI IN PROFILI, PROIZVODNJA, TRGOVINA IN STORITVE D.O.O. KOVINOPLASTIKA LOŽ INDUSTRIJA KOVINSKIH IN PLASTIČNIH IZDELKOV D.O.O. MARIBORSKA LIVARNA MARIBOR D.D. MDM PODJETJE ZA PROIZVODNJO, TRGOVINO IN INŽENIRING D.O.O. NIKO, KOVINARSKO PODJETJE, D.O.O., ŽELEZNIKI TITUS LAMA, PROIZVODNJA IN PRODAJA POHIŠTVENEGA OKOVJA, D.O.O. TRIMO, ARHITEKTURNE REŠITVE, D.O.O. UNIOR KOVAŠKA INDUSTRIJA D.D.

## 4.1.3. Export

In 2017, the total net revenue from sales in foreign markets increased by 10% in all the subsectors of the Slovenian NACE 25 sector and reached  $\in$ 1,76 billion. The highest growth (subsector 25.3 excluded) in exports was recorded in subsector 25.6 (Treatment and coating of metals, machining) with a 12,9% increase in comparison to 2016. The biggest export and the largest share of revenue generated by sales in foreign markets was in subsector NACE 25.1 (Manufacture of structural metal products). The subsector's export reached nearly  $\in$ 492,5 million. The largest share of sales in foreign markets was in the subsector 25.2 (Manufacture of tanks, reservoirs, and containers of metal) with a share of 67%.



# Shares of export of NACE 25 sector by country

Table 12: Shares of export of the Slovenian NACE 25 sector in 2017 by country

Analysis of the NACE 25 sector's export shows that in 2016, the sector mostly exported to Germany ( $\in$ 554,7 mio), Austria ( $\in$ 321,8 mio), Italy ( $\in$ 105,6 mio) and Croatia ( $\in$ 80,5 mio). Export values are presented in the table above.

# 4.1.4. International benchmark

The comparison of the Slovenian NACE 25 sector to specific EU countries' NACE 25 sectors is made with three competitiveness indicators, which are described in the subchapter 1.3 (Competitive positioning of the metal processing industry). The comparison is made for the year 2015 (Eurostat database's latest complete data). As an addition, Slovenian data for 2017 is included as a separate entity.

# A comparison of EU countries by To/E, L/GVA, and GVA/E for NACE 25 – Manufacture of fabricated metal products, except machinery and equipment

The results of comparable industries in the EU are based on Eurostat data, where the latest complete data is for 2015.

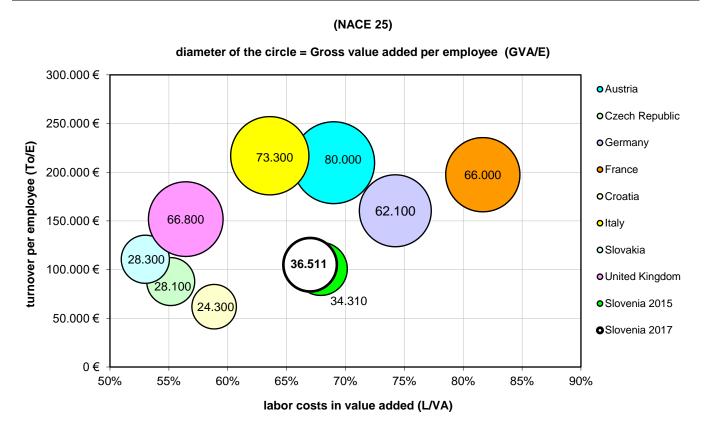


Chart 12: Comparison of EU countries by To/E, L/GVA and GVA/E for NACE 25 – Manufacture of fabricated metal products, except machinery and equipment

Chart 12 (NACE 25 – Manufacture of fabricated metal products, except machinery and equipment) shows that in the year 2015, the EU states ranged from €61.000 to nearly €217.000€ in turnover per employee (To/E); Italy and Austria lead with more than €200.000 turnover per employee.

In 2015, Slovenia was less successful than the EU-15 states and has realized approximately  $\in 101.000$  of turnover per employee. In the ratio of labour costs to gross value added (L/GVA) in the production of metal products in the year 2015, the EU states are ranked between 50% and 85% (Slovenia 67,9%). France has the highest share of labour costs in the gross value added (81,7%).

The highest realized gross value added per employee (GVA/E) **in 2015** is in Austria, Italy, Germany, France, and Great Britain. In 2015, gross value added per employee (GVA/E) ranges from  $\in$ 24.000 to  $\in$ 80.000 in all observed states. In this range, EU-15 states (Austria, Italy, Germany, France and United Kingdom) are relatively levelled, with Austria being the leader with  $\in$ 80.000 of gross value added per employee. Slovenia's realized gross value added per employee in 2015 was  $\in$ 34.310.

**In the year 2017**, a bit higher values can be observed in the Slovenian sector in comparison to 2015, especially due to higher turnover per employee, which rose by more than €4.000. However, value added per employee has also increased by more than €2.000, whereas labour costs are similar to those from 2015.

Manufacture of fabricated metal products, except machinery and equipment (NACE 25)	COUNTRY	SHARE OF INVESTED TURNOVER	INVESTMENT PER EMPLOYEE (in €)
	CZECH REPUBLIC	7,1%	4.900
	GERMANY	3,9%	5.700
	CROATIA	4,2%	2.100
	ITALY	4,1%	6.200
	AUSTRIA	4,3%	8.300
	POLAND	6,1%	4.400
	SLOVENIA	6,1%	5.500
	UNITED KINGDOM	6,7%	9.600

# 4.1.4.1. Investments in the sector

In the NACE 25 sector, we see that the shares of income invested in investment activities range from 3,9% (Germany9 to 7,1% (Czech Republic). In all of the observed countries, the proportion of invested funds does not exceed 7%, except in Czech Republic. If investments are expressed in monetary units, we see that the highest investment is made in United Kingdom ( $\leq$ 9.600/employee), while the Slovenian NACE 25 allocates  $\leq$ 5.500 per employee for investments.

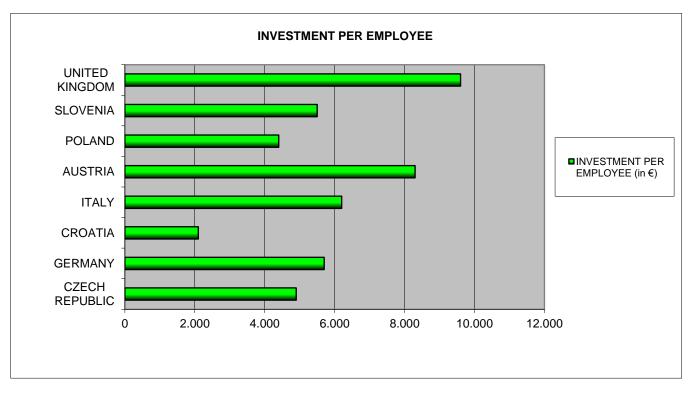


Chart 13: Investments in selected EU countries for NACE 25 sector in 2015

Table 13: Investments in NACE 25 sector for selected EU countries in 2015

## 4.2. MANUFACTURE OF MACHINERY AND EQUIPMENT n.e.c. - NACE 28

Manufacture of machinery and equipment n.e.c. NACE sector includes the following subsectors::

- 28.1 Manufacture of general-purpose machinery
- 28.2 Manufacture of other general-purpose machinery<sup>1</sup>
- 28.3 Manufacture of agricultural and forestry machinery
- 28.4 Manufacture of metal forming machinery and machine tools
- 28.9 Manufacture of other special-purpose machinery

<sup>(1)</sup>Explanation: The metal processing industry's subsector NACE 28.2 does not include NACE 28.230 – Manufacture of office machinery and equipment (except computers and peripheral equipment)

## 4.2.1. Income, employment, gross value added, profit, cost of labour and export for Manufacture of machinery and equipment n.e.c. sector

The following table presents basic data for the Slovenian "Manufacture of machinery and equipment n.e.c." sector in 2017.

	NACE 28 machinery and equipment		28.1.	28.2.	28.3.	28.4.	28.9.
	value in 2017	Index 17/16	value in 2017				
Number of companies	524	101,70	80	193	41	58	152
Avg. number of employees	13.582	107,40	2.957	4.080	1.421	1.419	3.705
Total revenue (w/o change _in stocks)	1.796.580.492	112,80	405.037.548	570.892.148	205.095.429	164.562.638	450.992.728
Gross profit	1.811.352.866	113,30	410.069.731	575.248.955	205.513.657	166.802.495	453.718.027
Sales	1.769.173.184	113,00	399.699.210	564.156.829	202.527.997	160.914.642	441.874.506
Domestic sales	483.402.174	105,50	107.733.889	156.761.299	53.010.219	48.854.654	117.042.113
Foreign sales	1.285.771.009	116,10	291.965.320	407.395.530	149.517.778	112.059.989	324.832.393
Total expenses	1.732.588.486	114,00	389.092.703	550.929.281	197.553.309	159.079.503	435.933.690
Cost of goods, materials and services	1.247.892.665	116,00	281.931.943	413.773.584	150.392.760	105.480.950	296.313.429
Employee benefits expense	383.838.415	110,80	81.253.269	110.409.447	36.626.172	43.070.106	112.479.421
Depreciation expense	61.877.366	107,20	17.170.281	17.137.374	7.150.258	5.401.898	15.017.555
OPERATING PROFIT	91.436.176	98,50	24.149.203	27.807.147	9.208.911	8.433.757	21.837.158
FINANCIAL PROFIT/LOSS	-6.963.554	87,00	-2.032.670	-974.040	-707.739	-355.316	-2.893.790
EBIT	92.939.036	99,90	24.491.810	28.208.905	9.403.979	8.539.389	22.294.952
EBITDA	164.572.588	102,10	43.217.465	48.068.510	17.670.091	14.177.674	41.438.848
Income tax expense	13.319.639	108,30	2.757.506	4.818.924	591.523	1.000.040	4.151.645
Net profit	92.945.431	109,40	21.613.257	27.540.959	8.563.844	8.274.870	26.952.501
Net loss	19.980.536	182,30	1.959.106	5.534.928	118.579	1.153.444	11.214.479
NET PROFIT/LOSS	72.964.896	98,60	19.654.151	22.006.031	8.445.265	7.121.426	15.738.022
Cash flow from operations (net profit+ depreciation)	144.598.448	101,70	38.379.806	41.865.636	16.711.377	12.759.711	34.881.918
Gross value added	546.908.143	107,80	124.128.127	158.076.198	54.101.195	57.142.148	153.460.475
ASSETS	1.545.843.007	111,10	403.752.907	405.543.124	174.916.856	149.452.642	412.177.479
Inventories	369.056.311	116,00	94.635.781	95.942.173	60.731.020	29.684.146	88.063.192
Equity	724.136.820	110,30	211.660.118	189.727.815	75.299.826	66.275.548	181.173.513
Equity ratio (%)	47	99,20	52	47	43	44	44
Debt/equity ratio	1,00	100,00	0,80	1,00	1,20	1,10	1,10
Debt ratio (LT+ST liabilities/assets)	0,50	100,00	0,40	0,50	0,50	0,50	0,50
Total revenue/total expenses	1,00	100,00	1,00	1,00	1,00	1,00	1,00

EBITDA margin (%)	9,30	90,30	10,80	8,50	8,70	8,80	9,40
ROE (%)	10,60	89,10	9,90	12,10	11,80	11,40	9,10
ROA (%)	5,00	90,90	5,20	5,60	5,20	5,10	4,10
Sales per employee (EUR)	130.256	105,30	135.183	138.261	142.566	113.378	119.256
Share of foreign sales (%)	73	102,80	73,0	72,2	73,8	69,6	73,5
Labour costs per employee (EUR)	28.260	103,20	27.481	27.059	25.782	30.346	30.357
Average wage per employee (EUR)	20.977	103,40	20.140	19.908	19.241	22.937	22.737
Gross value added per employee (EUR)	40.266	100,40	41.982	38.741	38.084	40.261	41.417
Labour costs in gross value added (%)	70,2	102,80	65,5	69,8	67,7	75,4	73,3
Net profit per employee (EUR)	6.843	101,90	7.310	6.750	6.028	5.830	7.274
Net loss per employee (EUR)	1.471	169,80	663	1.357	84	813	3.027
Gross monthly wage per employee (EUR)	1.748	103,40	1.678	1.659	1.603	1.911	1.895
	value in 2017	Index 17/16	value in 2017				
	NACE 28 machinery and equipment		28.1.	28.2.	28.3.	28.4.	28.9.

Table 14: Basic economic data for the sub-sectors of the "Manufacture of machinery and equipment" sector (NACE 28) in 2017

**In 2017**, the Slovenian NACE 28 sector (Manufacture of machinery and equipment n.e.c.) recorded a relative increase of indexes. In the whole NACE 28 sector, income was higher by 12,8% in comparison to 2016 and it amounted to  $\in$ 1,8 billion. Most of the revenue was generated in subsector NACE 28.2 (Manufacture of other general-purpose machinery), in the amount of  $\in$ 570,9 million.

Subsector NACE 28.1 (Manufacture of general-purpose machinery) had €405 million of revenue and NACE 28.9 (Manufacture of other special-purpose machinery) generated more than €450 million of revenue in 2017.

Export in the whole Slovenian NACE 28 sector increased by 16,1% in 2017, whereas EBIT decreased by 0,2%. Gross value added per employee has reached  $\in$ 40.266, which is 0,4% higher than in previous year. ROE (+10,6) and ROA (+5,0) are positive and show a significant fall of growth compared to 2016. The share of labour cost in gross value added is 2,8% higher than in 2016, amounting to 70,2%, whereas labour cost per employee has risen (index 103,2) and it amounted to  $\in$ 28.260.

#### 4.2.2. Companies

In the following tables, ten top NACE 28 companies by gross value added for each size category are presented. The companies are listed alphabetically within specific size categories.

#### **Micro companies**

#### Top 10 by gross value added

ELMEH, MONTAŽA, POPRAVILA IN VZDRŽEVANJE OBDELOVALNIH STROJEV, D.O.O. EM PUTNIK, ELEKTRO-STROJNE INSTALACIJE D.O.O. MOZAIK ZOBEC PODJETJE ZA PROIZVODNJO STEKLA D.O.O. PRIMA FILTRI PODJETJE ZA RAZVOJ, PROIZVODNJO IN TRŽENJE VSEH VRST FILTROV D.O.O. STROJEGRADNJA KOLETNIK PROIZVODNO PODJETJE D.O.O. TEHOVNIK, PROIZVODNJA, POSREDNIŠTVO, TRGOVINA IN STORITVE, D.O.O. TETHIS PROIZVODNJA DVIGAL D.O.O TIO PNEVMATIKA, PROIZVODNJA INDUSTRIJSKE PNEVMATIKE IN HIDRAVLIKE, D.O.O., LESCE TREN DRUŽBA ZA PROIZVODNJO, POSREDNIŠTVO IN TRGOVINO D.O.O. VIBRO AVTOMATIZACIJA, SISTEMI ZA AVTOMATIZACIJO D.O.O.

#### Small companies

#### Top 10 by gross value added

GAIO GORENJE AVTOMATIZACIJA IN INDUSTRIJSKA OPREMA, D.O.O. INDUSTRIJSKA OPREMA BREŽICE D.O.O. ISKRA PRO, PODJETJE ZA ROBOTIZACIJO IN AVTOMATIZACIJO, KRANJ, D.O.O. KOTA ENERGETSKE NAPRAVE, HLAJENJE, OGREVANJE, TOPLOTNE ČRPALKE D.O.O. LIBELA ELSI TEHTANJE IN AVTOMATIZACIJA, D.O.O. RESEDA PROIZVODNJA, TRGOVINA IN SVETOVANJE D.O.O. SORBIT VALJI, PROIZVODNJA KOVANIH VALJEV, D.O.O. TA - REGULATOR PROIZVODNJA REGULACIJSKIH VENTILOV D.O.O. TEHNIKA-SET INŽENIRING, PROIZVODNJA IN STORITVE D.D. TPS IMP TOPLOTNI PRENOSNIKI - INVESTICIJE, MONTAŽA, PRODAJA D.O.O.

#### Medium-sized companies

#### Top 10 by gross value added

BELIMED POMIVALNI SISTEMI D.O.O BRINOX INŽENIRING D.O.O. FARMTECH, D.O.O. GOSTOL-GOPAN D.O.O. LESTRO-LEDINEK D.O.O. OMEGA AIR INŽENIRING, D.O.O., LJUBLJANA PIŠEK - VITLI KRPAN PROIZVODNJA KMETIJSKIH IN GOZDARSKIH STROJEV, D.O.O. SIJ RAVNE SYSTEMS DRUŽBA ZA PROIZVODNJO INDUSTRIJSKE OPREME IN STORITVE D.O.O. SIP STROJNA INDUSTRIJA, D.D. YASKAWA RISTRO, PODJETJE ZA GRADNJO STROJEV IN NAPRAV D.O.O.

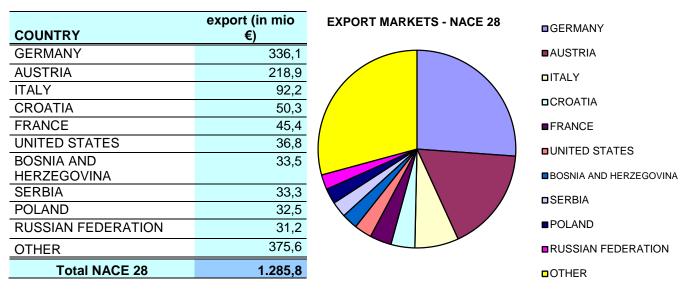
#### Large companies

#### Top 10 by gross value added

ADK, D.O.O. GKN DRIVELINE SLOVENIJA, D.O.O. LITOSTROJ POWER, D.O.O. PALFINGER PROIZVODNJA D.O.O. POCLAIN HYDRAULICS, D.O.O. TAJFUN PLANINA PROIZVODNJA STROJEV, D.O.O.

#### 4.2.3. Export

In 2017, net sales in foreign market in the NACE 28 (Manufacture of machinery and equipment n.e.c.) reached  $\in$ 1,3 billion, which is a 16,1% increase in comparison to 2016. The majority of the export was realized in the NACE subsector 28.2 (Manufacture of other general-purpose machinery), which generated  $\in$ 407,4 million of turnover in foreign markets.



# Shares of export of NACE 28 sector by country

Table 15: Shares of export of the Slovenian NACE 28 sector in 2017 by country

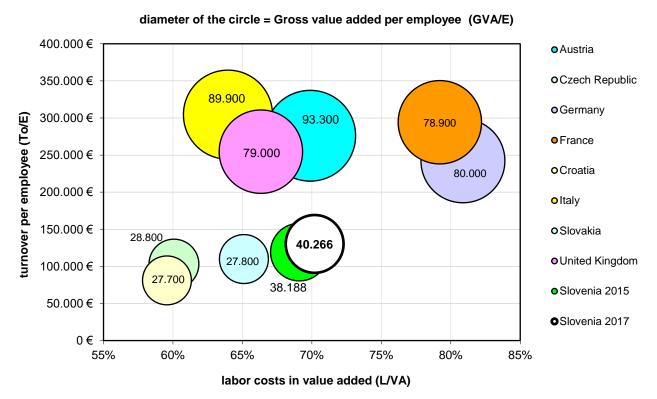
Analysis of the NACE 28 sector's export shows that in 2017, the sector had mostly exported to Germany ( $\in$ 336,1 million), Austria ( $\in$ 218,9 million) and Italy ( $\in$ 92,2 million). Export values are presented in the table above.

# 4.2.4. International benchmark

The comparison of the Slovenian NACE 28 sector to specific EU countries' NACE 28 sectors is made with three competitiveness indicators, which are described in the subchapter 1.3 (Competitive positioning of the metal processing industry). The comparison is made for the year 2015 (Eurostat database's latest complete data). The chart below also includes data for Slovenia from 2017.

# A comparison of EU countries by To/E, L/GVA, and GVA/E for NACE 28 – Manufacture of machinery and equipment n.e.c.

The results of comparable industries in the EU are based on Eurostat data, where the latest complete data is for 2015.



(NACE 28)

Chart 14: Comparison of EU countries by To/E, L/VA and GVA/E for NACE 28 – Manufacture of machinery and equipment n.e.c.

Chart 18 (NACE 28 – Manufacture of machinery and equipment) shows that the gross value added per employee in 2015 is significantly higher in the EU-15 states (Austria has the highest gross value added per employee at €93.300). In the same year, turnover per employee in these countries ranges between €240.000 and €305.000, which is similar to the year before.

In 2015, ratio of labour cost to gross value added for all observed states is between 55% and 85%. Among the EU-15 states, the highest ratio of labour costs to gross value added is in Germany and it amounts to 79,21%.

**In 2015,** the ratio of labour cost to gross value added in Slovenia is 69,1%, which is somwhere in the middle of the ratio range in comparison to other countries. As in the years before, Slovenia is less successful than EU-15 in created gross value added per employee and in turnover per employee (approx. 2 to 3 times less than the EU-15).

**In 2017**, Slovenia is in a better position compared to 2015. Turnover per employee has increased over  $\in$ 2.000, gross value added per employee more than  $\in$ 2.000, while labour costs per employee increased by 1,1%.

Manufacture of machinery and equipment n.e.c. (NACE 28)	COUNTRY	SHARE OF INVESTED TURNOVER	INVESTMENT PER EMPLOYEE (in €)
	CZECH REPUBLIC	5,5%	5.400
	GERMANY	2,8%	6.400
	CROATIA	3,4%	2.300
	ITALY	2,3%	5.800
	AUSTRIA	2,2%	5.900
	POLAND	5,2%	4.500
	SLOVENIA	5,2%	5.900
	UNITED KINGDOM	2,8%	6.800

## 4.2.4.1. Investments in the sector

Table 16: Investments in NACE 28 sector for selected EU countries in 2015

In NACE 28 sector, the share of invested income ranges from 2,2% in Austria to 5,5% in Czech Republic. In most countries, the share of revenue that is allocated to investment ranges from 2,2% to 5,5%. The highest absolute investment per employee is in United Kingdom at  $\in$ 6.800, whereas the lowest is in Croatia at  $\in$ 2.300. In Slovenia the investment per employee is at  $\in$ 5.900.

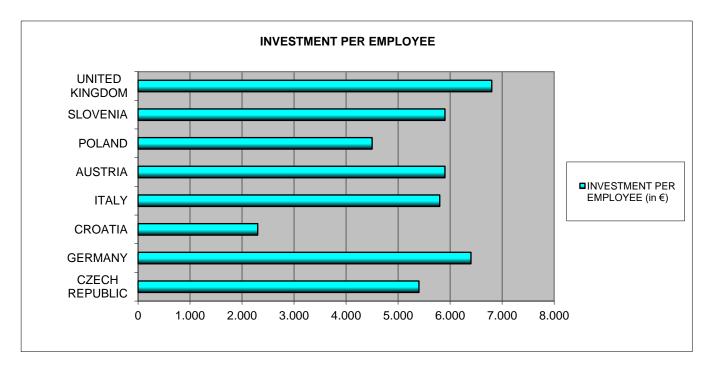


Chart 15: Investments in selected EU countries for NACE 28 sector in 2015

### 4.3. MANUFACTURE OF MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS – NACE 29

The "Manufacture of motor vehicles, trailers and semi-trailers" sector includes the following subsectors:

- 29.1 Manufacture of motor vehicles
- 29.2 Manufacture of bodies (coachwork) for motor vehicles, manufacture of trailers and semi-trailers
- 29.3 Manufacture of parts and accessories for motor vehicles, without 29.310 Manufacture of electrical and electronic equipment for motor vehicles (not included in 29 sector or in 29.3 subsector).

# 4.3.1. Income, employment, gross value added, profit, cost of labour and export of motor vehicles and trailers

Table 17 shows basic data for the "Manufacture of motor vehicles, trailers and semi-trailers" sector in 2017.

	NACE 29 vehicles and trailers		29.1.	29.2.	29.3.
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017
Number of companies	133	101,50	21	38	74
Avg. number of employees	10.528	118,60	2.732	2.199	5.597
Total revenue (w/o change in stocks)	3.070.174.951	132,90	1.650.108.696	635.887.583	784.178.672
Gross profit	3.059.352.943	131,90	1.647.564.613	626.456.559	785.331.770
Sales	3.035.186.201	133,50	1.639.206.384	628.268.920	767.710.898
Domestic sales	189.002.599	133,20	21.781.480	30.102.671	137.118.449
Foreign sales	2.846.183.602	133,50	1.617.424.904	598.166.249	630.592.449
Total expenses	2.923.865.360	131,80	1.619.905.431	583.751.630	720.208.298
Cost of goods, materials and services	2.504.903.306	134,70	1.458.731.497	516.445.199	529.726.610
Employee benefits expense	274.584.359	120,20	77.589.164	56.355.282	140.639.913
Depreciation expense	124.572.270	116,50	77.978.982	4.657.149	41.936.139
OPERATING PROFIT	146.348.234	130,70	31.420.624	45.373.399	69.554.211
FINANCIAL PROFIT/LOSS	-3.146.207	121,00	-167.357	229.328	-3.208.177
EBIT	146.152.635	130,20	29.442.035	47.109.880	69.600.720
EBITDA	273.590.488	121,80	107.863.113	52.938.304	112.789.071
Income tax expense	10.608.531	115,30	216.356	3.645.204	6.746.971
Net profit	139.962.828	127,50	36.104.921	41.426.925	62.430.982
Net loss	5.020.187	69,10	2.094.796	172.092	2.753.299
NET PROFIT/LOSS	134.942.641	131,70	34.010.125	41.254.832	59.677.684
Cash flow from operations (net profit+					
depreciation)	262.380.494	122,10	112.431.203	47.083.256	102.866.035
Gross value added	548.370.446	121,10	187.430.866	107.557.105	253.382.475
ASSETS	1.441.344.416	124,20	608.117.366	250.338.864	582.888.187
Inventories	230.399.508	117,50	37.609.014	94.182.605	98.607.889
Equity	561.820.205	114,80	203.366.893	93.951.476	264.501.835
Equity ratio (%)	39	92,40	33	38	45
Debt/equity ratio	1,40	107,70	1,80	1,50	1,10
Debt ratio (LT+ST liabilities/assets)	0,60	120,00	0,60	0,50	0,50
Total revenue/total expenses	1,10	110,00	1,00	1,10	1,10
EBITDA margin (%)	9,00	90,90	6,60	8,40	14,70
ROE (%)	25,80	118,90	18,30	45,20	24,30
ROA (%)	10,40	114,30	6,60	16,70	11,20

Sales per employee (EUR)	288.284	112,50	599.983	285.651	137.166
Share of foreign sales (%)	94	100,00	99	95	82
Labour costs per employee (EUR)	26.080	101,40	28.399	25.623	25.128
Average wage per employee (EUR)	18.137	99,90	19.215	18.792	17.353
Gross value added per employee (EUR)	52.085	102,10	68.604	48.902	45.272
Labour costs in gross value added (%)	50,1	99,40	41,4	52,4	55,5
Net profit per employee (EUR)	13.294	107,50	13.215	18.835	11.155
Net loss per employee (EUR)	477	58,30	767	78	492
Gross monthly wage per employee (EUR)	1.511	99,90	1.601	1.566	1.446
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017
	NACE 29 vehicles and trailers		29.1.	29.2.	29.3.

Table 17: Basic economic data for the sub-sectors of the "Manufacture of motor vehicles, trailers and semi-trailers" sector (NACE 29) in 2017

In 2017, the Slovenian sector "Manufacture of motor vehicles, trailers and semi-trailers" recorded highly positive index scores. Income in the Slovenian NACE 29 increased by 32,9% and it amounted to  $\in$ 3,1 billion. The highest income was in the subsector NACE 29.1 (Manufacture of motor vehicles), amounting to  $\in$ 1,13 billion, and in NACE 29.3 (Manufacture of parts and accessories for motor vehicles), which recorded revenues of  $\in$ 1,65 billion. NACE 29.2 (Manufacture of bodies (coachwork) for motor vehicles, manufacture of trailers and semi-trailers) had over  $\in$ 635 million of turnover in 2017.

In 2017, export in the Slovenian NACE 29 sector increased by 33,5%, whereas EBIT grew by 30,2% in comparison to 2016. Gross value added per employee reached  $\in$ 52.085, which is 2,1% higher than the previous year. ROE and ROA parameters are positive at ROE +25,80 and ROA +10,40. The share of labour costs in gross value added decreased by 0,6%, while labour cost per employee increased by 1,4% and it amounted to  $\in$ 26.080 per employee.

## 4.3.2. Companies

In the following tables, ten top NACE 29 companies by gross value added for each size category are presented. The companies are listed alphabetically within the specific size category.

Micro companies
Top 10 by gross value added
AD PLASTIK PROIZVODNO IN TRGOVSKO PODJETJE D.O.O. NOVO MESTO
AS DOMŽALE NADGRADNJE, PROIZVODNJA IN POPRAVILO TOVORNIH NADGRADENJ, D.O.O.
CDT GROUP, PROIZVODNJA IN STORITVE, D.O.O.
EVISION AUTOMOTIVE RAZVOJ IN PROIZVODNJA MOTORNIH VOZIL, D.O.O.
KARBONIN PROIZVODNJA IN TRGOVINA D.O.O.
KOVINARSKA VRHNIKA D.O.O.
MVI - RC RAZVOJNI CENTER D.O.O.
PCI PREMIUM COMPOSITE INTERNATIONAL AG - PODRUŽNICA V SLOVENIJI
PREKOM MARKETING, PROIZVODNJA, TRGOVINA IN STORITVE D.O.O.
ROVA PROIZVODNO, STORITVENO IN TRGOVSKO PODJETJE D.O.O.

Small companies

#### Top 10 by gross value added

AS DOMŽALE, PROIZVODNJA IN POPRAVILO AVTOBUSOV D.O.O. CERJAK, PROIZVODNJA IN STORITVE D.O.O. CIMOS KINEMATIKA, DRUŽBA ZA PROIZVODNJO AVTOMOBILSKIH DELOV, D.O.O. EURO GV, PROIZVODNJA IN STORITVE D.O.O. K - BUS, TOVARNA AVTOBUSOV D.O.O. KP - PLAST, PROIZVODNJA POLIESTRSKIH IZDELKOV, D.O.O. NOVAK, IZPUŠNI SISTEMI, D.O.O. PREVENT NADOMESTNI DELI, D.O.O. SINTER PROIZVODNJA IN TRGOVINA LJUBLJANA D.O.O. TI AUTOMOTIVE, PROIZVODNJA AVTOMOBILSKIH DELOV, D.O.O. **Medium-sized companies** Top 10 by gross value added AGIS TECHNOLOGIES, PODJETJE ZA PROIZVODNJO IN STORITVE, D.D. B N M , AVTOMOBILSKA INDUSTRIJA, D.O.O.

B N M, AVTOMOBILSKA INDUSTRIJA, D.O.O. CECOMP PROIZVODNJA IN PRODAJA IZDELKOV IZ PLOČEVINE D.O.O. INDUSTRIJA TRANSPORTNIH SREDSTEV IN OPREME - CISTERNE, AVTOMEŠALCI, SILOSI, D.O.O. ROSENBAUER, PROIZVODNJA IN TRGOVINA ZA GASILSKO DEJAVNOST, D.O.O. SOGEFI FILTRATION, PODJETJE ZA PROIZVODNJO FILTROV, D.O.O. TAM-EUROPE, RAZVOJ IN PROIZVODNJA GOSPODARSKIH VOZIL, D.O.O. TPV PRIKOLICE, TOVARNA PRIKOLIC D.O.O. VAR PROIZVODNJA, TRGOVINA, STORITVE, G. RADGONA D.O.O.

#### Large companies

#### Top 10 by gross value added

ADIENT NOVO MESTO, PROIZVODNJA AVTOMOBILSKIH SEDEŽEV, D.O.O. ADRIA MOBIL PROIZVODNJA, TRGOVINA IN STORITVE, D.O.O. NOVO MESTO AKRAPOVIČ, PODJETJE ZA PROIZVODNJO, TRGOVINO IN STORITVE, D.D. CARTHAGO PROIZVODNJA AVTODOMOV D.O.O. CIMOS IP, INVALIDSKO PODJETJE ZA STORITVE IN PROIZVODNJO D.O.O. KLS LJUBNO D.O.O., SPECIALIST ZA ZOBATE VENCE ODELO SLOVENIJA, PODJETJE ZA RAZVOJ, PROIZVODNJO IN TRŽENJE AVTOMOBILSKIH DELOV, D.O.O. REVOZ PODJETJE ZA PROIZVODNJO IN KOMERCIALIZACIJO AVTOMOBILOV D.D. STARKOM, PROIZVODNJA IN TRGOVINA D.O.O.

#### 4.3.3. Export

**In 2017**, overall export in all subsectors of the Slovenian NACE 29 was 33,5% higher than in the year before, rising up to €2,85 billion. Most of the export was realized by the NACE 29.1 (Manufacture of motor vehicles) at €1,6 billion, whereas NACE 29.3 subsector (Manufacture of parts and accessories for motor vehicles) recorded €630,6 million. Turnover in foreign markets in the NACE 29.2 (Manufacture of bodies (coachwork) for motor vehicles, manufacture of trailers and semi-trailers) amounted to €598,2 million and was higher by 17,8% than in 2016.

In 2017, the subsector NACE 29.1 accounted for more than a half of the total export volume of the NACE 29 sector. The share of export in revenue in the subsector NACE 29.1 amounted to 99% and was 0,2% higher than in 2016. The remaining two subsectors had shares of export in revenue at 95% (NACE 29.2) and 82% (NACE 29.3).

### Shares of exports of NACE 29 sector by country

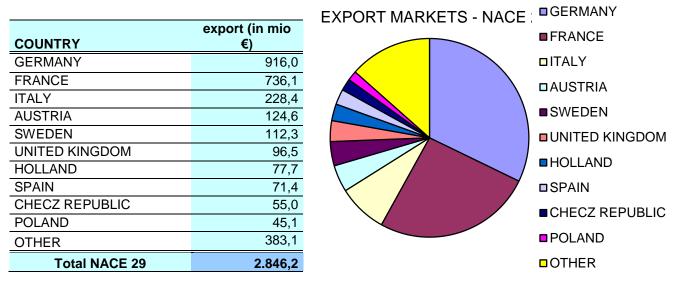


Table 18: Shares of export of the Slovenian NACE 29 sector in 2017 by country

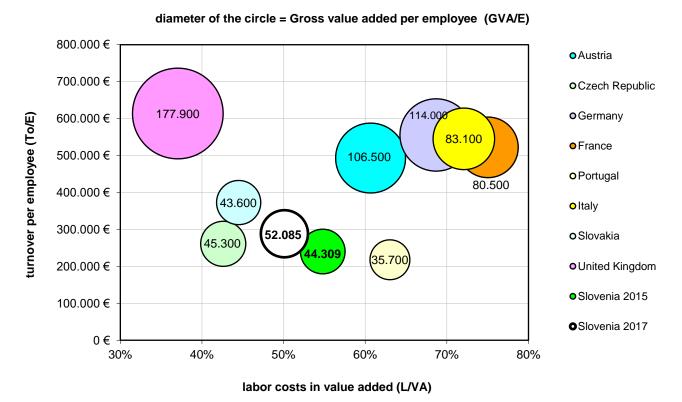
Analysis of the NACE 29 sector's export shows that in 2017, the sector mostly exported to Germany ( $\in$ 916 million), France ( $\in$ 736,1 million) and Italy ( $\in$ 228,4 million). In comparison to 2016, the export increased in all noted countries.

## 4.3.4. International benchmark

The comparison of the Slovenian NACE 29 sector to specific EU countries' NACE 25 sectors is made with three competitiveness indicators, which are described in the subchapter 1.3 (Competitive positioning of the metal processing industry). The comparison is made for the year 2014 (Eurostat database's latest complete data). The chart below also includes data for Slovenia from 2016.

# A comparison of EU countries by To/E, L/GVA, and GVA/E for NACE 29 – Manufacture of motor vehicles, trailers, and semi-trailers

The results of comparable industries in the EU are based on Eurostat data, who's latest complete data is only for 2015.



#### (NACE 29)

Chart 16: A comparison of EU countries by To/E, L/VA, and GVA/E for NACE 29 – Manufacture of motor vehicles, trailers, and semi-trailers

In 2015, the EU states are relatively dispersed when comparing labour cost in gross value added to turnover per employee in the NACE 29 sector (Manufacture of motor vehicles, trailers and semi-trailers). Austria, United Kingdom, Italy, France and Germany are in the lead. Even though their turnover per employee is relatively levelled, the ratio of labour costs to gross value added ranges from 30% to 80%.

In 2015, Slovenia has, in comparison to other countries, relatively low labour cost in gross value added, which amounts to 54,8%. As we have often seen before, unfortunately, the created gross value added per employee and turnover per employee is approximately two times lower than in the leading states.

**In 2017**, Slovenia is in a relatively better position when compared to the year 2015. The position of the "bubble" is better than in 2015 due to the increased turnover per employee, amounting to €288.284 and rising by €48.000 compared to 2015, whereas gross value added per employee increased by approximately €8.000 to €52.085 and the ratio of labour cost to gross value added fell by 4,7%.

## 4.3.4.1. Investments in the sector

Manufacture of motor vehicles, trailers and semi-trailers (NACE 29)	COUNTRY	SHARE OF INVESTED TURNOVER	INVESTMENT PER EMPLOYEE (in €)
	CZECH REPUBLIC	4,4%	11.400
	GERMANY	3,1%	16.800
	SPAIN	4,0%	18.800
	ITALY	4,4%	18.900
	AUSTRIA	3,3%	15.700
	POLAND	5,8%	10.500
	SLOVENIA	3,0%	6.700
	UNITED KINGDOM	5,1%	30.800

Table 19: Investments in NACE 29 sector for selected EU countries in 2015

In 2015, the largest share of invested revenue in the NACE 29 sector (Manufacture of motor vehicles, trailers, and semi-trailers) was in Poland at 5,8%. Other producers' shares are between 3,0% in Slovenia and 5,1% in United Kingdom. United Kingdom ( $\in$ 30.800/employee) was the largest investor per employee, followed by Italy ( $\in$ 18.900/employee) and Spain ( $\in$ 18.800/employee). In Slovenia, the share of invested income was  $\in$ 6.700 per employee.

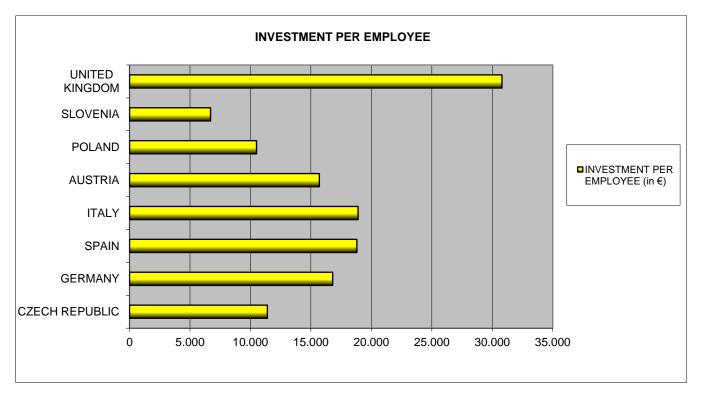


Chart 17: Investments in selected EU countries for NACE 29 sector in 2015

### 4.4. MANUFACTURE OF OTHER TRANSPORT EQUIPMENT - NACE 30

The "Manufacture of other transport equipment" sector includes the following subsectors:

- 30.1 Building of ships and boats
- 30.2 Manufacture of railway locomotives and rolling stock
- 30.3 Manufacture of air and spacecraft and related machinery
- 30.4 Manufacture of military fighting vehicles
- 30.9 Manufacture of transport equipment n.e.c.

# 4.4.1. Income, employment, gross value added, profit, cost of labour and export of other transport equipment

Table 20 shows basic subsector data for the "Manufacture of other transport equipment" sector.

	NACE 30 other transport equipment		30.1.	30.2.	30.3.	30.9.
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017	value in 2017
Number of companies	96	104,30	50	3	24	19
Avg. number of employees	905	132,10	237	164	303	201
Total revenue (w/o change in stocks)	122.885.808	124,80	31.265.113	40.433.090	32.108.497	19.079.108
Gross profit	125.120.946	124,90	31.877.717	40.945.946	31.998.512	20.298.771
Sales	118.068.486	125,20	30.214.466	39.162.233	29.824.841	18.866.947
Domestic sales	18.882.152	105,10	3.364.894	3.881.781	6.022.859	5.612.618
Foreign sales	99.186.334	129,90	26.849.572	35.280.451	23.801.982	13.254.329
Total expenses	119.613.211	126,90	31.186.490	38.018.768	29.259.210	21.148.742
Cost of goods, materials and services	89.690.516	127,60	23.399.499	31.200.558	19.959.845	15.130.614
Employee benefits expense	21.878.981	122,80	5.195.423	4.720.586	7.428.173	4.534.799
Depreciation expense	4.271.413	120,40	904.867	1.634.040	951.005	781.502
OPERATING PROFIT	6.966.704	99,90	1.081.244	3.296.677	3.039.251	-450.468
FINANCIAL PROFIT/LOSS	-931.673	126,70	-279.224	-294.650	27.882	-385.681
EBIT	7.232.633	101,50	1.199.781	3.353.131	3.131.376	-451.655
EBITDA	13.010.333	115,70	3.253.089	4.997.961	4.406.048	353.234
Income tax expense	1.349.983	132,10	246.646	497.410	588.726	17.201
Net profit	7.008.334	103,00	1.413.924	2.565.664	2.900.161	128.585
Net loss	2.053.264	144,70	740.013	247	333.092	979.912
NET PROFIT/LOSS	4.955.070	92,10	673.911	2.565.417	2.567.069	-851.327
Cash flow from operations (net profit+ depreciation)	10.732.770	113.00	2.727.219	4.210.247	3.841.741	-46.438
Gross value added	34.623.385	119,80	8.329.976	9.662.092	11.742.096	4.889.221
ASSETS	116.846.417	117,70	35.967.074	30.149.015	31.774.963	18.955.365
Inventories	27.222.743	113,70	8.768.740	4.917.788	8.420.055	5.116.160
Equity	33.859.775	116,40	2.618.687	14.632.472	13.806.203	2.802.414
Equity ratio (%)	29	99,00	7	49	43	15
Debt/equity ratio	2,40	104,30	12,70	1,00	1,20	5,10
Debt ratio (LT+ST liabilities/assets)	0,70	100,00	0,90	0,50	0,50	0,80
Total revenue/total expenses	1,00	100,00	1,00	1,10	1,10	0,90

EBITDA margin (%)	11,00	92,40	10,80	12,80	14,80	1,90
ROE (%)	15,60	72,60	27,70	19,20	20,10	-25,80
ROA (%)	4,60	78,00	2,10	8,50	8,90	-4,70
Sales per employee (EUR)	130.488	94,80	127.724	238.998	98.458	93.642
Share of foreign sales (%)	84	103,70	89	90	80	70
Labour costs per employee (EUR)	24.181	93,00	21.962	28.809	24.522	22.507
Average wage per employee (EUR)	17.714	91,60	15.563	21.431	18.312	16.318
Gross value added per employee (EUR)	38.266	90,70	35.213	58.966	38.763	24.267
Labour costs in gross value added (%)	63,2	102,60	62,4	48,9	63,3	92,8
Net profit per employee (EUR)	7.746	78,00	5.977	15.658	9.574	638
Net loss per employee (EUR)	2.269	109,60	3.128	2	1.100	4.864
Gross monthly wage per employee (EUR)	1.476	91,60	1.297	1.786	1.526	1.360
	value in 2017	Index 17/16	value in 2017	value in 2017	value in 2017	value in 2017
	NACE 30 other transport equipment		30.1.	30.2.	30.3.	30.9.

Table 20: Basic economic data for the sub-sectors of the "Manufacture of other transport equipment" sector (NACE 30) in 2017

**In 2017**, the sector "Manufacture of other transport equipment" recorded fairly mixed index scores. Sector's revenue increased by 24,8% compared to 2015. The highest revenue was recorded in the subsector NACE 30.2 (Manufacture of railway locomotives and rolling stock), where it amounted to approximately  $\in$ 40,4 million, whereas the lowest was in NACE 30.9 (Manufacture of transport equipment n.e.c.) at  $\in$ 19,1 million. In the entire sector, export grew by 29,9%, while EBIT marked an increase at 1,5%. Gross value added per employee reached  $\in$ 38.266, which is 9,3% lower than in the previous year. ROE and ROA were positive (+15,6 and +4,6), while the share of labour costs in gross value added amounted to 63,2% and was 2,6% higher than in 2016. Labour cost per employee decreased by 7% and amounted to  $\in$ 24.181.

## 4.4.2. Companies

In the following table, twelve top NACE 30 companies by gross value added for all size categories are presented. The companies are listed alphabetically.

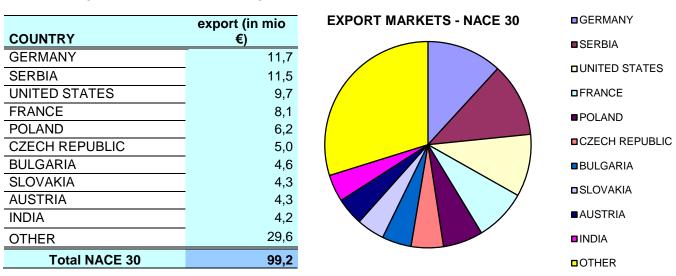
Micro, small and medium-sized companies
Top 15 by gross value added
ALBATROSS FLY, IZDELAVA IN SERVISIRANJE LETAL, RADOVLJICA, D.O.O.
ATAIR, RAZVOJ IN PROIZVODNJA LAHKIH LETALSKIH NAPRAV, D.O.O.
C-ASTRAL, PROIZVODNJA ZRAČNIH IN VESOLJSKIH PLOVIL D.O.O.
HOVERCRAFT PROIZVODNJA IN STORITVE D.O.O.
KOVIS PROIZVODNA DRUŽBA D.O.O.
LIV KOLESA, PROIZVODNJA, PREDELAVA IN TRGOVINA, D.O.O.
OTTO, PROIZVODNJA IN VZDRŽEVANJE LETAL, D.O.O.
PIPISTREL PODJETJE ZA ALTERNATIVNO LETALSTVO D.O.O. AJDOVŠČINA
PIPISTREL VERTICAL SOLUTIONS D.O.O., PODJETJE ZA NAPREDNE LETALSKE REŠITVE
S.A.R. NAVAL SYSTEM, NAVTIČNI SISTEMI - LADJEDELNIŠTVO, D.O.O.
SEASCAPE, PROIZVODNJA, NAČRTOVANJE, TRŽENJE PLOVIL, D.O.O.
SVP AVIO STORITVE D.O.O.
TOMOS D.O.O., MOTOINDUSTRIJA
TRIXY AVIATION PROIZVODNJA ZRAKOPLOVOV D.O.O.
TVT TIRNA VOZILA, PROIZVODNJA IN VZDRŽEVANJE TIRNIH VOZIL, D.O.O.

## 4.4.3. Export

**In 2017**, the total export in NACE 30 sector was 29,9% higher than in 2016. Overall revenues from foreign sales amounted to €99,42 million. Most of the revenue from sales in foreign markets was created by the NACE 30.2 subsector (Manufacture of railway locomotives and rolling stock) with export reaching €35,3 million.

The subsector that exported the least was NACE 30.9 (Manufacture of transport equipment n.e.c.) with €13,2 million of sales in foreign markets.

In 2017, the largest share of foreign sales among all NACE 30 subsectors was recorded in the subsector NACE 30.2 with a share of 90%. The lowest proportion of export in sales was NACE 30.9 with a 70% share.



#### Shares of exports of NACE 30 sector by country

Table 21: Shares of export of the Slovenian NACE 30 sector in 2017 by country

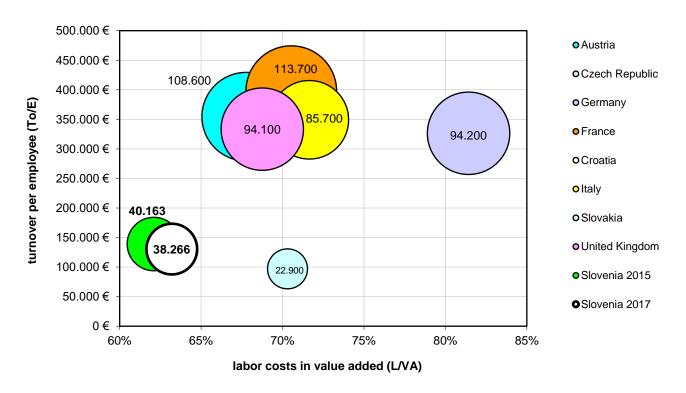
An overview of the Slovenian NACE 30 sector's export for 2016 shows that the sector had mostly exported to Germany ( $\in 11,7$  million  $\in$ ), Serbia ( $\in 11,5$  million) and United States ( $\in 9,7$  million). Export values are presented in the table above.

#### 4.4.4. International benchmark

The comparison of the Slovenian NACE 30 sector to specific EU countries' NACE 30 sectors is made with three competitiveness indicators, which are described in the subchapter 1.3 (Competitive positioning of the metal processing industry). The comparison is made for the year 2015 (Eurostat database's latest complete data). The chart below also includes data for Slovenia from 2017.

# A comparison of EU countries by To/E, L/GVA, and GVA/E for NACE 30 - Manufacture of other transport equipment

The results of comparable industries in the EU are based on Eurostat data, who's latest complete data is only for 2015.



### (NACE 30)

diameter of the circle = Gross value added per employee (GVA/E)

Chart 18: A comparison of EU countries by To/E, L/VA, and GVA/E for NACE 30 – Manufacture of other transport equipment

The diagram shows a dispersal in the industrial sector. The largest turnover per employee in the NACE 30 sector (Manufacture of other transport equipment) was recorded in France at  $\in$ 397.669, while it also has the largest gross value added at  $\in$ 113.700. In 2015, the amount of labour costs in gross value added in all observed states ranged from 60% to 85%. The highest ratio of labour costs to added value was in Croatia with 107,43%. The rest of the larger producers had a slightly lower turnover per employee compared to France, but a comparable gross value added per employee. The lowest labour costs in gross value added was recorded by Slovenia at 62%.

In 2015, Slovenia, if compared to EU-15 states, achieved a low turnover per employee (approx. €139.000) and gross value added per employee (€40.163).

**In 2017**, Slovenia's position has regressed considerably when compared to the year 2015, mostly due to labour costs in value added, which has increased significantly by 1,1%. Gross value added per employee fell by almost  $\in$ 2.000, whereas turnover per employee decreased by around  $\in$ 9.000.

## 4.4.4.1. Investments in the sector

Manufacture of other transport equipment – NACE 30	COUNTRY	SHARE OF INVESTED TURNOVER	INVESTMENT PER EMPLOYEE (in €)
	CZECH REPUBLIC	5,1%	5.200
	GERMANY	2,8%	8.900
	CROATIA	1,3%	800
	ITALY	2,3%	6.800
	AUSTRIA	4,0%	13.600
	POLAND	5,6%	6.700
	SLOVENIA	6,5%	8.000
	UNITED KINGDOM	3,4%	11.200

Table 22: Investments in the NACE 30 sector for selected EU countries in 2015

We can see that the share of income that was invested in the NACE 30 sector in 2015 ranges from 1,3 % to 6,5%. The largest share of income invested was in Slovenia at 6,5%, while the largest amount invested per employee was in the Austria at  $\in$ 13.600.

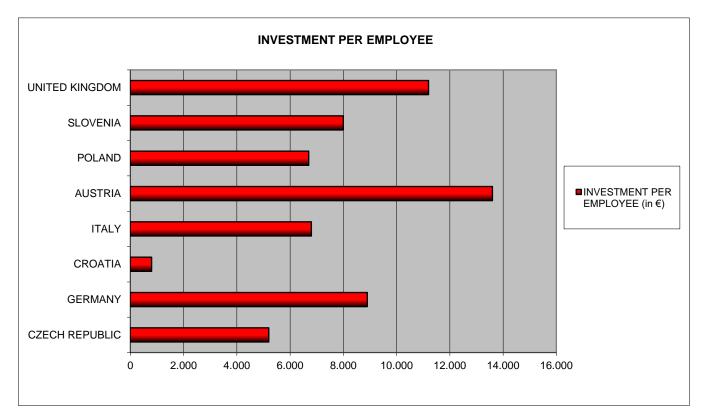


Chart 19: Investments in selected EU countries for the NACE 30 sector in 2015

## 4.5. REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT - NACE 33

The "Repair and installation of machinery and equipment" sector includes the following subsectors:

- 33.1 Repair of fabricated metal products, machinery and equipment (without 33.130, 33.140, and 33.190 – their values are not included in the NACE 33 sector or in the 33.1 subsector)
- 33.2 Installation of industrial machinery and equipment

With implementation of NACE Rev. 2 classification, the metal processing industry gained a new sector, "Repair and installation of machinery and equipment", which includes the following subsectors:

- 33.1 Repair of fabricated metal products, machinery and equipment
- 33.11 Repair of fabricated metal products
- 33.12 Repair of machinery
- 33.13 Repair of electronic and optical equipment
- 33.14 Repair of electrical equipment
- 33.15 Repair and maintenance of ships and boats
- 33.16 Repair and maintenance of aircraft and spacecraft
- 33.17 Repair and maintenance of other transport equipment
- 33.19 Repair of other equipment
- 33.2 Installation of industrial machinery and equipment
- 33.20 Installation of industrial machinery and equipment

# 4.5.1. Income, employment, gross value added, profit, cost of labour and export of metal products

Table 23 shows basic subsector data for the "Repair and installation of machinery and equipment" sector.

	NACE 33 repair and installation of machinery		33.1.	33.2.
	value in 2017	Index 17/16	value in 2017	value in 2017
Number of companies	642	104,40	309	333
Avg. number of employees	7.260	101,20	4.035	3.225
Total revenue (w/o change in stocks)	664.042.357	109,80	292.806.112	371.236.245
Gross profit	663.425.030	109,60	291.566.094	371.858.936
Sales	645.657.678	109,50	278.250.862	367.406.816
Domestic sales	296.984.164	105,30	233.072.334	63.911.830
Foreign sales	348.673.514	113,30	45.178.528	303.494.986
Total expenses	627.009.960	110,20	283.079.939	343.930.021
Cost of goods, materials and services	375.463.115	113,60	135.466.413	239.996.703
Employee benefits expense	221.747.240	104,50	132.603.595	89.143.645
Depreciation expense	15.851.151	100,60	8.064.116	7.787.035
OPERATING PROFIT	39.426.922	98,40	9.923.427	29.503.496
FINANCIAL PROFIT/LOSS	-1.528.873	103,10	-654.149	-874.724
EBIT	40.009.237	99,80	10.003.412	30.005.825
EBITDA	59.703.848	101,10	20.075.484	39.628.364
Income tax expense	6.716.328	112,30	1.400.624	5.315.704
Net profit	34.035.483	98,20	8.509.777	25.525.706
Net loss	2.671.084	133,90	835.517	1.835.567
NET PROFIT/LOSS	31.364.399	96,00	7.674.260	23.690.138
Cash flow from operations (net profit+ depreciation)	51.059.010	98,80	17.746.332	33.312.678

Gross value added	280.868.773	103,50	152.599.092	128.269.681
ASSETS	382.582.734	103,50	209.267.570	173.315.163
Inventories	51.289.299	116,40	33.488.381	17.800.918
Equity	173.576.698	99,00	96.316.556	77.260.142
Equity ratio (%)	45	95,60	46	45
Debt/equity ratio	1,00	111,10	0,90	1,10
Debt ratio (LT+ST liabilities/assets)	0,50	125,00	0,40	0,50
Total revenue/total expenses	1,10	100,00	1,00	1,10
EBITDA margin (%)	9,20	92,00	7,20	10,80
ROE (%)	18,80	94,50	8,30	31,80
ROA (%)	8,60	93,50	3,70	14,80
Sales per employee (EUR)	88.936	108,20	68.966	113.919
Share of foreign sales (%)	54	103,40	16	83
Labour costs per employee (EUR)	30.545	103,30	32.866	27.640
Average wage per employee (EUR)	22.291	105,30	23.515	20.760
Gross value added per employee (EUR)	38.688	102,30	37.822	39.772
Labour costs in gross value added (%)	79,0	101,00	86,9	69,5
Net profit per employee (EUR)	4.688	97,00	2.109	7.915
Net loss per employee (EUR)	368	132,30	207	569
Gross monthly wage per employee (EUR)	1.858	105,30	1.960	1.730
	value in 2017	Index 17/16	value in 2017	value in 2017
	NACE 33 repair and installation of machinery		33.1.	33.2.

Table 23: Basic economic data for the subsectors of the "Repair and installation of machinery and equipment" sector (NACE 33) in 2017

**In 2017**, the Slovenian NACE 33 sector "Repair and installation of machinery and equipment" recorded an increase in index values. Turnover in the whole NACE 33 sector was 9,58% higher in comparison to 2016.

The NACE 33 subsectors recorded positive turnover values in 2017: in the NACE 33.1 subsector (Repair of fabricated metal products, machinery and equipment), turnover increased by 4,4% ( $\leq$ 292,8 million) in comparison to the previous year, whereas the NACE 33.2 (Installation of industrial machinery and equipment) generated 14,5% more turnover than in the previous year, amounting to  $\leq$ 371,2 million.

Export in NACE 33 has increased by 13,3% and EBIT fell by 0,2%. Gross value added per employee reached  $\in$ 38.688, which is 2,3% higher than a year earlier. ROE at 18,8 and ROA at 8,6 experienced a significant increase, while the share of labour costs in the gross value added was 79%, which is one percent higher than in the previous year. Labour cost per employee has increased by 3,3% and amounted to  $\in$ 30.545 per employee.

## 4.5.2. Companies

In the following tables, the ten top NACE 33 companies by gross value added for each size category are presented. The companies are listed alphabetically within specific size categories.

#### Micro companies

Top 10 by gross value added

ELEKTRO MASTEN, MONTAŽA, STORITVE IN TRGOVINA, D.O.O. GLIDERSERVICE NOVAK, POPRAVILO IN VZDRŽEVANJE LETAL, D.O.O. GP MONT, MONTAŽA IN SVETOVANJE, D.O.O. GVS ELEKTRONIKA PROIZVODNJA ELEKTRONSKIH SKLOPOV, TRŽENJE IN INŽENIRING, D.O.O. HAM MONTAŽA, PROIZVODNJA, POPRAVILA, MONTAŽA IN DRUGE STORITVE D.O.O. HRID - MONT, INDUSTRIJSKA MONTAŽA IN INŠTALACIJE D.O.O. JB TECH, MONTAŽA INDUSTRIJSKIH STROJEV IN NAPRAV D.O.O. PALBAFOR MONTAŽA D.O.O. PROJEKT - ING, MONTAŽA IN DRUGE STORITVE, D.O.O. VORIO, PROIZVODNJA, STORITVE IN INŽENIRING, D.O.O.

#### Small companies

## Top 10 by gross value added

A.M MONTAŽA, MONTAŽA INDUSTRIJSKE OPREME D.O.O. DORSSEN IMS, INDUSTRIJSKA MONTAŽA IN SERVIS, D.O.O. ELEKTRO - KA MONTAŽA INDUSTRIJSKIH STROJEV IN NAPRAV D.O.O. EMG ELEKTROINSTALACIJE IN MONTAŽA D.O.O. LOTRIČ MEROSLOVJE D.O.O. MASTROJ, POSREDOVANJE, TRGOVINA NA DEBELO, SVETOVANJE D.O.O. MONT-PLAN ROGAŠKA, MONTAŽE IN TRGOVINA, D.O.O. M-TEHNOLOGIJA, MONTAŽA, POPRAVILO, PROGRAMIRANJE IN SERVISIRANJE STROJEV, D.O.O. WEBER-MANSMONT, DRUŽBA ZA TRGOVINO, PROIZVODNJO IN STORITVE, D.O.O. ZEROX, MONTAŽA, SVETOVANJE, TRGOVINA, D.O.O.

#### Medium-sized and large companies

#### Top 9 by gross value added

ADRIA AIRWAYS TEHNIKA, VZDRŽEVANJE LETAL, D.D. ALIUS, PROIZVODNJA, MONTAŽA IN STORITVE D.O.O. DANFOSS TRATA REGULACIJE OGREVANJA, PREZRAČEVANJA IN KLIMATIZACIJE, D.O.O. HTZ HARMONIJA TEHNOLOGIJE IN ZNANJA, INVALIDSKO PODJETJE, D.O.O. VELENJE MOS SERVIS, TRGOVINA, STORITVE, INŽENIRING D.O.O. MTD BIO PROIZVODNO, STORITVENO IN TRGOVSKO PODJETJE D.O.O. SSI SCHAEFER, LOGISTIČNI SISTEMI, D.O.O. SŽ - VLEKA IN TEHNIKA, D.O.O.

#### 4.5.3. Export

**In 2017**, the Slovenian NACE 33 sector generated approximately €348,7 million of turnover in foreign markets, which is a 13,3% increase compared to 2016. NACE 33.2 (Installation of industrial machinery and equipment) realized 83% of the subsector's revenue in foreign markets, whereas the NACE 33.1 subsector (Repair of fabricated metal products, machinery, and equipment) generated only 16% of its revenue from sales in foreign markets.

In 2017, the Slovenian subsector NACE 33.2 (Installation of industrial machinery and equipment) reached approximately  $\in$  303,5 million of revenue from sales in foreign markets, while the "Repair of fabricated metal products, machinery, and equipment" subsector's turnover in the foreign markets reached  $\in$  45,2 million.

The share of export in the NACE 33 sector's turnover in 2017 was 3,4% higher in comparison to 2016 and amounted to 54%. The share of export in turnover of NACE 33.2 amounted to 83% as it increased by 0,7%.



### Shares of exports of NACE 33 sector by country

Table 24: Shares of export of the Slovenian NACE 33 sector in 2017 by country

Analysis of NACE 33's export shows that in 2016, the sector has mostly exported to Denmark ( $\in$ 212,4 million), Austria ( $\in$ 31 million) and Germany ( $\in$ 21,1 million). Export values are presented in the table above.

## 4.5.4. International benchmark

A comparison of the Slovenian NACE 33 sector to specific EU countries' NACE 33 sectors is made with three competitiveness indicators, which are described in the subchapter 1.3 (Competitive positioning of the metal processing industry). The comparison is for the year 2014 (Eurostat database's latest complete data). The chart below also includes data for Slovenia from 2016.

# A comparison of EU countries by To/E, L/GVA, and GVA/E for NACE 33 – Repair and installation of machinery and equipment

The results of comparable industries in the EU are based on Eurostat data, who's latest complete data is only for 2015.

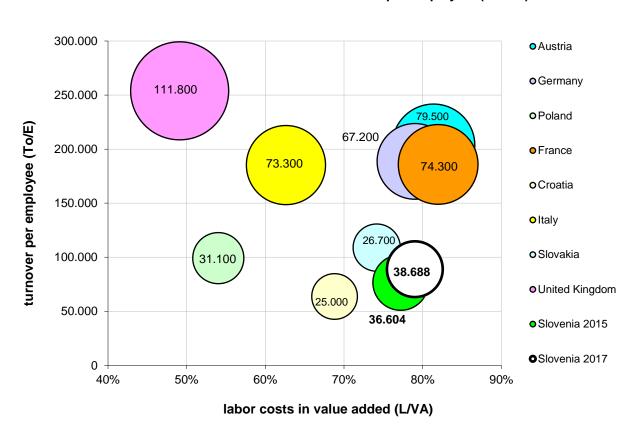




Chart 20: Comparison of EU countries by To/E, L/GVA and GVA/E for NACE 33 – Repair and installation of machinery and equipment

For the NACE 33 sector (Repair and installation of machinery and equipment), the diagram shows relative dispersion of EU states, which is mainly caused by differences in labour cost in gross value added which is lowest in Great Britain (49,11%) and highest in France (81,97%). Turnover and gross value added per employee are relatively levelled in all larger countries. Great Britain is standing out in the sample with gross value added per employee of  $\in$ 111.800 and approximately  $\in$ 254.000 of turnover per employee and Austria with  $\in$ 79.500 of gross value added per employee and  $\in$ 204.000 of turnover per employee.

In 2015, Slovenia was in a similar situation as in previous years with similar results. Labour cost in gross value added is in the back (77,%), if compared to other producers, while the turnover per employee ( $\in$ 76.629) and gross value added per employee ( $\in$ 36.604) is lower by half or more in comparison to EU-15 states.

A comparison **of 2017** and 2014 figures for Slovenia shows that changes in figures are relatively small. The main difference is in the turnover per employee, which has rose by  $\leq 12.000$  and gross value added per employee, which is higher by  $\leq 2.000$ . and The labour cost in value added is higher by 1,8%.

## 4.5.4.1. Investments in the sector

Repair and installation of machinery and equipment (NACE 33)	COUNTRY	SHARE OF INVESTED TURNOVER	INVESTMENT PER EMPLOYEE (in €)
GE	RMANY	1,6%	2.700
FR	ANCE	3,8%	6.300
CR	ΟΑΤΙΑ	3,1%	1.600
ITA	LY	3,7%	4.100
AU	STRIA	1,6%	2.900
PO	LAND	2,2%	1.600
SL	OVENIA	3,1%	2.000
UN	ITED KINGDOM	2,9%	6.700

Table 25: Investments in NACE 33 sector for selected EU countries in 2015

In NACE 33 sector, we can see that the shares of resources devoted to the development and research in the observed countries varied from 1,6% in Germany and Austria to 3,8% in France in 2015. Funds invested per employee also show a wide range. Among the European countries, the United Kingdom ( $\in$ 6.700) and France ( $\in$ 6.300) are in the lead, while the Slovenian NACE 33 sector invested  $\in$ 2.000 per employee.

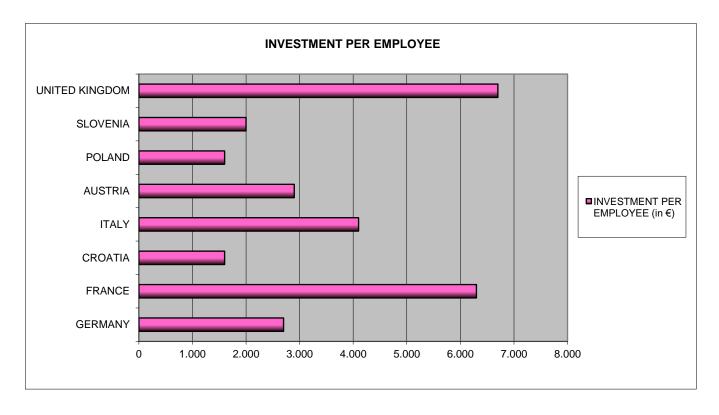


Chart 21: Investments in selected EU countries for NACE 33 sector in 2015

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## 7. SOURCES

- Performance indicators ANALTIKA GZS, based on AJPES and SURS data •
- Metal Processing Industry Association data ORGALIME Annual Report •
- •
- Statistical data EuroStat •
- Data: SURS, AJPES •
- Web pages •