

PRIZNANJA *Slovenija* INOVATIVNA

20
25

Z novimi tehnologijami do neba

Inovacije Primorsko - notranjske regije Innovations of Primorsko - notranjska region

Kolektor ATP d.o.o. Šok, ko plastika pokaže svoj pravi obraz Shock, when plastic shows its true nature	3
Mineralka d.o.o. Xellbox Xellbox	4
Skill2Grow Solutions, napredne informacijske tehnologije, d.o.o. SkillHatch SkillHatch	5
Trilobit d.o.o. Sistem za avtomatizirano kontrolo kvalitete tub v kozmetiki System for automated quality control of tubes in cosmetics	6
ebm-papst Slovenija d.o.o. SafeBot SafeBot	7
Izoterm Plama d.o.o. PlamaFILL HT polnilo za visokotemperaturne aplikacije PlamaFILL HT backer rod filler for high-temperature applications	8
Pivka perutninarstvo d.d. Njami solate – hranljiv, priročen in okusen obrok za sodobnega potrošnika Njami salads – A Nutritious, convenient, and tasty meal for the modern consumer	9
Vilko Škrab Sušilnik za perilo - sušilna omara Clothes dryer - Drying Cabinet – Energy-Efficient and Gentle Laundry Drying	10

Kolektor ATP d.o.o.

Šok, ko plastika pokaže svoj pravi obraz **Shock, when plastic shows its true nature**

Inovatorji/Innovators:

dipl. inž. Matevž Požar, Gregor Bizjak, mag. Aleš Turk

Zlato priznanje

Gold Innovation Award

Za testiranje življenjske dobe avtomobilskih izdelkov med več stotisoč prevoženimi kilometri se uporabljajo testi, ki seveda niso kratki. Zato smo razvili metodo, s katero z robotom hitro ter enostavno temperaturno šokiramo izdelke. Robotska roka jih avtomatsko premika iz ledeno hladne kopeli, hlajene s suhim ledom, v vročo kopel na robu vrelišča. Testirani izdelki zaradi hitrega prenosa toplote globoko v njihovo notranjost, zato hitreje pokažejo njihov pravi obraz.

To test the lifespan of automotive products over several hundred thousand kilometers, long tests are required. We have developed a method with which we can quickly and easily thermally shock the products using a robot. The robotic arm automatically moves the products from an ice-cold bath, cooled with dry ice, to a hot bath just below its boiling point. The tested products, due to the rapid heat transfer deep into their interior, quickly reveal their true nature.



Mineralka d.o.o.

Xellbox
Xellbox

Zlato priznanje

Gold Innovation Award

Inovatorji/Innovators:

Janez Kovačič, Miha Ravnik, Nejc Premrov, Sašo Zakrajšek, Rok Žnidaršič, Simon Marolt

Pasivni protipožarni sistem za polnjenje in shranjevanje litij-ionskih baterij XELLBOX sestavljajo vermikulitno jedro, ki preprečuje prehod temperature ter zadržuje požar in eksplozijska loputa za varno sprostitev pritiska. Vgrajeni temperaturni senzorji in ventilacija vzdržujejo optimalno temperaturo za polnjenje baterij, skupaj z dimnimi detektorji pa samodejno izklopijo napajanje ter zaprejo sistem v primeru požara, ob tem pa sprožijo požarne in hladne dimne lopute za omejevanje in izolacijo nevarnosti, kar povečuje varnost pri ravnanju z baterijami.

The passive fire protection system for charging and storing lithium-ion batteries, the XELLBOX, includes a vermiculite core that prevents heat transfer, contains the fire, and an explosion relief vent for safe pressure release. Built-in temperature sensors and ventilation maintain the optimal temperature for battery charging, while together with smoke detectors automatically shut down the power supply and seal the system in case of fire. Additionally, fire and cold smoke vents are triggered to limit and isolate the danger, enhancing safety when handling the batteries.



Skill2Grow Solutions, napredne informacijske tehnologije, d.o.o.

SkillHatch

SkillHatch

Inovatorji/Innovators:

mag. Uroš Turk, Dolores Keš, Luka Nikolić, Nejc Debevec

Zlato priznanje

Gold Innovation Award

Inovacija poveže mlade z delodajalci s pomočjo umetne inteligence in kvizov. Podjetja prihranijo čas, saj prejmejo nabor že profiliranih kandidatov, ki poleg znanj izstopajo tudi po ujemanju s kulturo podjetja — brez klasičnih življenjepisov.

The innovation connects young people with employers using artificial intelligence and quizzes. Companies save time by receiving a pool of already profiled candidates who stand out not only for their skills but also for their fit with the company's culture — without the need for traditional CVs.



Trilobit d.o.o.

Sistem za avtomatizirano kontrolo kvalitete tub v kozmetiki
System for automated quality control of tubes in cosmetics

Inovatorji/Innovators:

Nataša Trilobit, Tanja Hribar

Zlato priznanje

Gold Innovation Award

Naša inovativna avtomatizirana naprava za nadzor kakovosti uporablja sistem računalniškega vida z dvema kamerama za preizkus kozmetičnih tub, kot so tiste, ki jih uporabljajo L'Oréal, L'Occitane in Colgate. Hitrost pregleda je 4 tube na sekundo. Sistem zajema slike za odkrivanje napak v realnem času in zagotavlja, da gredo v pakiranje le brezhibni izdelki. Z avtomatizacijo nadzora kakovosti naprava povečuje doslednost in zmanjšuje odpadke.

Innovative automated quality control machine utilizes a dual-camera computer vision system to inspect cosmetic tubes, such as those used by L'Oréal, L'Occitane, and Colgate, at a frequency rate of four tubes per second. This system captures high-resolution images to detect imperfections like dents, scratches, and ovality in real time, ensuring only flawless products proceed in the manufacturing process. By automating quality control, the machine enhances product consistency and reduces waste.



ebm-papst Slovenija d.o.o.

SafeBot

SafeBot

Inovatorji/Innovators:

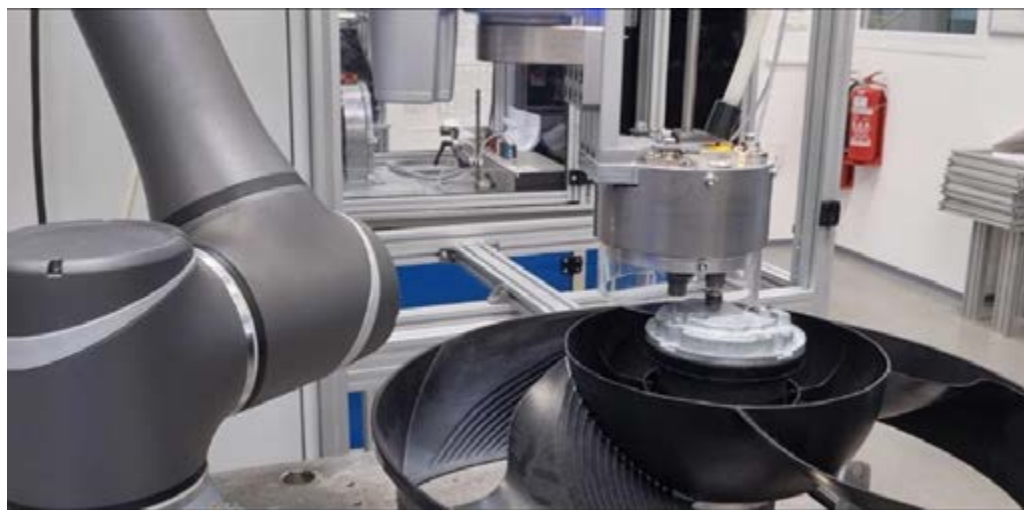
Primož Žufic, Miran Štraus, Gašper Lumbar, dr. Tadej Kranjc, Tadej Cek, Andraž Mišič, Aleš Nared

Srebrno priznanje

Silver Innovation Award

Z uvedbo kolaborativnega robota za vijačenje smo v podjetju razvili napreden in inovativen sistem, ki omogoča varno in učinkovito sočasno delo človeka in robota brez potrebe po zaščitni kletki. Inovacija razbremeni proizvodne delavce, zmanjšuje izmet materialov in porabo energije ter omogoča širitev sistema na druge linije in lokacije v mednarodni grupaciji ebmpapst.

With the introduction of a collaborative screwing robot, we have developed an advanced and innovative system that enables safe and efficient human-robot collaboration without the need for protective fencing. The innovation relieves production workers, reduces material waste and energy consumption, and is scalable to other lines and locations within the ebmpapst group.



Izoterm Plama d.o.o.

PlamaFILL HT polnilo za visokotemperaturne aplikacije

PlamaFILL HT backer rod filler for high-temperature applications

Inovatorji/Innovators:

Saša Zečević

Srebrno priznanje

Silver Innovation Award

PlamaFILL HT je inovativno zamreženo PE-polnilo za razpoke pri gradnji cest, izdelano z novim procesom na obstoječi opremi. Odlikuje ga bistveno višja temperaturna obstojnost, kar omogoča uporabo z vročimi materiali. Izdelek prinaša napredek v vzdržljivosti, varnosti in trajnosti cestne infrastrukture.

PlamaFILL HT is an innovative crosslinked PE joint filler for road construction, produced through a newly developed process on existing equipment. It offers significantly improved temperature resistance, enabling use with hot-applied materials. The product enhances durability, safety, and longevity of road infrastructure.



Pivka perutninarstvo d.d.

Njami solate – hranljiv, priročen in okusen obrok za sodobnega potrošnika

Njami salads – A Nutritious, convenient, and tasty meal for the modern consumer

Inovatorji/Innovators:

Eva Hrvatin (Delamaris d.o.o.)

Bronasto priznanje

Bronze Innovation Award

Pivka Perutninarstvo predstavlja Njami solate – že pripravljene obroke za aktivne potrošnike, ki cenijo kakovost, priročnost in odličen okus. So bogat vir beljakovin in vlaknin, razvite in proizvedene v Sloveniji. Okusi Mexicana, Curry in Veggie navdušujejo s svežino, inovativno sestavo in trajnostno embalažo. Njami solate prinašajo uravnoteženo prehrano kjerkoli in kadarkoli – brez kompromisov pri kakovosti.

Pivka Perutninarstvo presents Njami Salads – ready-to-eat meals for active consumers who value quality, convenience, and great taste. They are a rich source of protein and fiber, developed and produced in Slovenia. The Mexicana, Curry and Veggie flavors impress with freshness, innovative ingredients, and sustainable packaging. Njami Salads offer a balanced meal anytime, anywhere – with no compromise on quality.



Vilko Škrab

Sušilnik za perilo - sušilna omara

Clothes dryer - Drying Cabinet – Energy-Efficient and Gentle Laundry Drying

Inovatorji/Innovators:

Vilko Škrab

Bronasto priznanje

Bronze Innovation Award

Sušilnik za perilo oz. sušilna omara – varčno in nežno sušenje perila. Inovativna sušilna omara omogoča učinkovito sušenje perila z manjšo porabo energije kot klasični sušilni stroji. Toploto zagotavlja radiator, ventilator pa poskrbi za kroženje zraka. Perilo ostane nepoškodovano, omara pa je primerna tudi za sušenje večjih kosov oblačil, za obutev in drugo. Večina delov je iz recikliranih materialov, delovanje je tiho, življenjska doba pa dolga.

Clothes dryer, Drying Cabinet – Energy-Efficient and Gentle Laundry Drying
The innovative drying cabinet enables efficient laundry drying with lower energy consumption than traditional tumble dryers. Heat is provided by a radiator, while a fan ensures air circulation. Clothes remain undamaged, and the cabinet is also suitable for drying larger items of clothing, shoes, and more. Most parts are made from recycled materials, operation is quiet, and the lifespan is long.

