PREMEK HI-TECH
PRECISION MECHANICS

PREMEK MAGAZINE #01-2020

www.premek.it

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PREMEK HI TECH IS STILL WORKING FOR THOSE CURRENTLY ON THE FRONT LINE.

Production of components destined for medical equipment continues, with best safe practices in place.

We are all going through a most exceptional time. Nonetheless, we believe it is useful to still keep you informed on what we are doing and what we are planning: keeping the line of communication open is, in our opinion, just as important as keeping the production "engine" running.

In line with the exceptions to the lockdown rules regarding essential services in this time of emergency, our plant lines producing components for medical equipment are still working. There has been no break in our production of components destined for use in products that are, in turn, incorporated into essential medical equipment, including ventilators used in intensive care that, as we all know, are more important then ever right now. The production of components for peristaltic pumps used in healthcare, centrifuges, laboratory equipment, and for hydraulic pumps used in hospitals has also continued. We are, of course, carrying on our manufacturing activities while taking all safety measures extremely seriously.

In parallel, until new orders to the contrary, office staff will continue to practice smart working. Meanwhile, we will be putting just as much energy as always into one of the things we do best - namely developing innovation - recognizing that, once the emergency is lifted and we can get back to working at full capacity, this is something that will once again make all the difference.

The Sales Manager
Marco Camuccio

INTESA SAN PAOLO ACKNOWLEDGES OUR LEVEL OF IMPLEMENTATION OF THE CIRCULAR ECONOMY.

Increasingly in line with an environmentally sustainable industrial development model.

Yes indeed, we have taken another important step forward in the pursuit of an environmentally sustainable industrial development model. A fact attested by the document drawn up by Intesa San Paolo, in which the bank has scored us more than highly for our implementation of the circular economy, a virtuous industrial model whereby business and regional growth is decoupled from the consumption of exhaustible natural resources, upholding their value over time.

The assessment takes into account business circularity at each stage of the value chain based on five factors: processing/work process input, production, sale and post-use, infrastructure, and strategy. Product life extension, sharing, product as a service, recovery&recycle, and circular supply chain make up the circular logic applied.

Our 70% overall circularity - given that the average achieved by businesses nationally is 55%, the average among other businesses in our region is 60%, and the fact that just two companies in Italy exceed 80% - is a result we can be proud of and one that has positive implications for driving further improvement in that it allows us to take advantage of the subsidized loans that Intesa San Paolo has earmarked for green investments.

The high rating of our implementation of the circular economy - a sound response to the obsolescence of the current business model based on extraction, production, use and waste - is hugely rewarding as it serves to underline the realization that we are an active part of a shift in strategy whose aim is to create a better world.

WIRE EDM JOINS THE PREMEK HI TECH RANKS.

New Mitsubishi MV 1200 S(R) machine up and running

When high value added industries come knocking with their demands, we certainly don't want to keep them waiting. Attesting to this fact is the arrival of a Mitsubishi MV 1200 S(R) wire EDM machine.

The decision to further expand our plant list with this latest addition was prompted by a significant increase - especially evident in recent weeks - in orders for components and assemblies destined, above all, for the industrial automation market, whose manufacture involves this kind of machining.

EDM, or electrical discharge machining, is a material removal technique that leverages the thermal-mechanical erosion capabilities of electrical sparks. In this case, it is referred to as "wire" because the tool-electrode performing the work is a strand of pure copper wire.

The new piece of equipment delivers high performance and unbeatable accuracy, while also offering a high work rate: qualities that, in turn, translate into improved productivity, which is no small consideration for those who, like us, adopt a customer-centric approach and hence are also focused on meeting delivery deadlines.

As with previous investments in manufacturing resources, the purchase of this new machine is in line with our desire to handle as great a number of processes in-house as possible and, consequently, with the aim of providing a truly one-stop service.

Specifications of the new Mitsubishi MV 1200 S(R) wire EDM machine

Max. workpiece size mm	810 x 700 x 215h
Workpiece weight kg	500
Worktable mm	640x450
X/Y/Z-axis travel mm	400/300/220
U- and V-axis travel mm	±60
Maximum wire angle	15° x 200mm
Wire diameter range mm	0.1 - 0.3
Surface quality (roughness) µm	0.2 µ Ra (0,1 µ Ra Digital-FS)

MORE GREEN INVESTMENTS IN THE PIPELINE.

A plan to install additional photovoltaic panels is currently being developed to increase clean energy supply for manufacturing.

Environmental responsibility is one of the values that consistently inform our business decisions. Both generally speaking - with our adoption of the sustainable development model mentioned in the opening article - and more specifically, as shown by the measures being planned for the coming months.

The first measure on the agenda is part of a green investment plan initiated five years ago. In the coming months, a canopy will be produced over parking spaces that will be able to accommodate up to 350 sq metres of photovoltaic panels. These will supplement the existing panels installed on the facility's roofs between 2015 to 2017, which are already capable of covering over 260 kW of our energy demand. In terms of direct benefits for the environment, this figure translates into 100 tonnes less carbon dioxide in the atmosphere - a substantial sum in itself - that will, of course, be improved on by the panels due to be installed soon.

One of our company goals is to ensure that energy from renewable sources - in other words, clean energy - accounts for an increasingly significant percentage of the resources used by our production departments: a fact that is becoming more and more evident. Furthermore, it is worth pointing out that, two years ago, these departments were fitted with latest generation air filtration systems, attesting to the fact that we see sustainability as a wide-ranging concept, extending to the quality of the air in our workplaces.

FOCUS ON TRAINING ACTIVITIES.

Committed, as ever, to the world of learning and to our personnel.

Our collaboration project with a number of local higher education institutes goes from strength to strength. In a repeat of last April's initiative, we recently hosted students of the Sacile and Brugnera ISIS colleges, merged with the IP-SIA school known as "Della Valentina". We gave forty third-year students studying Maintenance and Technical Support - future industry operators - a detailed insight into the premises, stages and recent achievements of our digitization process.

At the same time, we introduced them to Premek Hi Tech from the point of view of our role in setting the benchmark in the local sub-contract arena, showing how you can make a name for yourself in top markets worldwide with ingenuity, hard work and perseverance to bring to fruition a corporate vision whose core objectives are at once ambitious and highly actionable and systematically pursued.

All the while ensuring that the students - accompanied by lecturers Paolo Bortolin, Marco Zanacca and Roberto Bigi - got to see first-hand the workings of our departments and our quality laboratories, giving them an up-close look at both our production processes and the inspection procedures that the resulting products undergo.

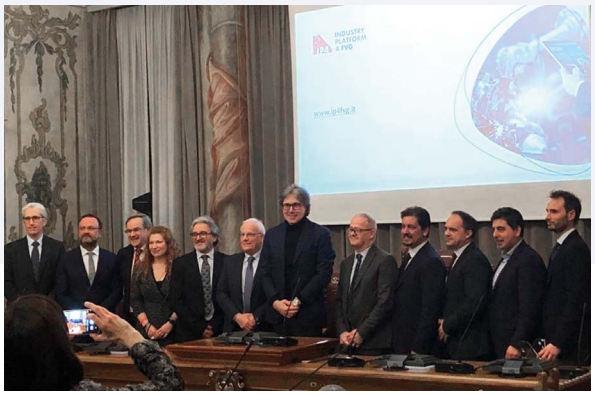
We are just as active and relentless on the in-house training front. In this regard, we are currently implementing a training plan for personnel in the technical department, designed to upgrade the skills of employees working with CAD/CAM design software and 3D design software. This is proceeding in parallel with the training of personnel tasked with using new manufacturing equipment managed according to 4.0 principles, because we appreciate that the digitization process we have embarked on entails constantly updating not just technologies, but the skill sets of whose working with them.

PREMEK HI TECH RANKED AMONG TOP 10 "BEACONS OF INDUSTRY" IN FRIULI-VENEZIA GIULIA.

Award ceremony held in Udine on 21 January to acknowledge the best implementations of digital transformation by the region's businesses.

Remember the "Fari Manifatturieri" (beacons of industry) project? We covered the topic in the previous issue of Premek Magazine. A quick refresher: the project was launched with a view to identifying businesses in the Friuli-Venezia Giulia region who are able to play a guiding role for others coming to grips with the digital transformation process. The project is based on a roadmap split into three stages. The first revealed the top one hundred, which included Premek Hi Tech. The last then whittled down the shortlist to ten, which still has the Premek Hi Tech name on it.

What helped get us a place on the shortlist was our particularly advanced level of Process Monitoring. The reason for the decision cited: "the implementation of extensive digitization measures in the areas of production, quality, and maintenance; particularly worthy of note is the high level of standardization of operations and their coding."



We owe this result, in part, to the adoption of the revolutionary digital interface system, I-Man. This system allows us to organize production and interact in real time with operators on the shop floor, promoting a fully interconnected operation and allowing us to monitor all machinery in terms of what product is being processed, quantity to be produced and quantity booked into stock, times and deviations from the standard cycle, downtime (if any) and its causes, quality control frequency and outcome, and production efficiency. All of this comes with the added bonus of allowing us to perform an in-depth analysis of efficiency by stage, machine/machining centre, department and operator.

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