

NEWSLETTER





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ABOUT

ITALIAN TECHNOLOGY CENTER (ITC) is a network of a group of Italian capital goods manufacturing companies. This innovative project is promoted by UCIMU-SISTEMI PER PRODURRE (the Italian machine tools, robots and automation manufacturers' Association), AMAPLAST (the Italian plastics and rubber machinery and moulds manufacturers' Association) and ACIMGA (the Italian manufacturers' association of machinery for the graphic, converting and paper industry). The ITC network facilitates a flexible collaboration among leading Italian machinery manufacturers in order to share resources and knowledge with the common aim of strengthening their presence in the Indian market.

Indian companies consider ITC as their first point of reference in India and get immediate answer/feedback to their queries from the respective Italian companies. Fresh enquiries and technical solutions are also discussed and properly followed-up with the member companies.

The enquiries for other machines/technologies will also be entertained.

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The above office is presided by Mrs Barbara Colombo (Managing Director - FICEP) through its India SPV (Rare Tech LLP) - Mr. Sandeep Chadha (Director); www.raretech.org.



Automatic insertion of Rivets on Lasertube

BLM Group is world leader in developing and manufacturing tube processing systems. BLM Group has always given importance to integrate various process steps in one system in order to improve the overall efficiency of the manufacturing process. In addition to that, thanks to the in-house software development department, the off-line programming software, or the machine control software on each of the systems has benefited from BLM Group's over 60 years of collective, accumulated experience in the field.

The latest example of integration of process steps is automatic threaded rivet insertion system integrated on the laser tube cutting system LT7. This development allows a user to add the value to the part without additional handling.

The system consists of an automatic feeder that can feed the threaded inserts from M4 to M12. The insertion tool then takes the insert and fixes it into a previously laser cut hole of the appropriate shape. The system has multiple sensors that guarantee the reliability of the insertion and fixing of the inserts that guarantee a continuous manufacturing process. The system is designed in such a way that the change of insert size is quick and easy.

The threaded inserts are used on tubes with thin walls because the wall thickness is not sufficiently high to use threaded holes. Normally this was an additional operation carried out manually involving additional handling and as all manual operations are, it was prone to errors. The development of an automatic system has eliminated the additional handling and the possibility of errors.

The insertion is programmed thru' the off-line programming software ArTube and thus the operator doesn't have to do anything on the machine apart from installing the right insertion tool on the machine and add the correct size inserts in the feeder bowl.

This is the latest example of BLM Group's efforts to continuously improve the overall efficiency of tube processing by developing new technologies and solutions based on them.





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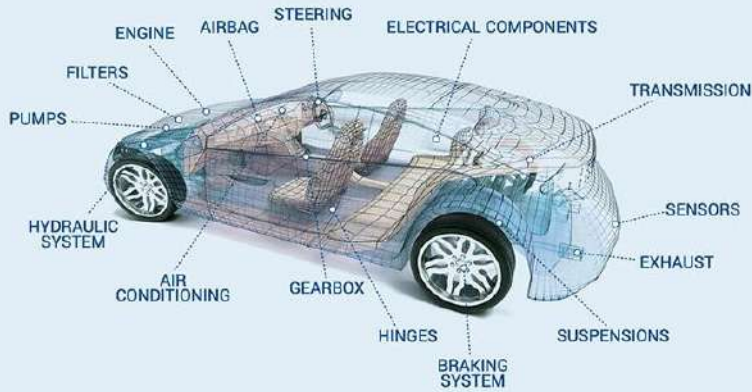
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ARGOS PRO: the cartridge filtering unit for mists, vapours and fumes

Argos Pro series filters are designed for the filtration of oil mists (emulsion as well as neat oil), vapors and smokes deriving from a variety of machining processes. This filtration unit has purposely been conceived for the industrial sector, and its important features lie in its sturdiness, reliability and simplicity in conduction and maintenance.

Argos Pro is available in **7 versions**, with flow rates from **3,000 to 15,000 m³/h** and with different combinations of increasing filtration efficiency, up to an efficiency of 99.97%. The Argos Pro filter unit is equipped with a **pressure gauge** to display clogging of the filter elements. It can be equipped upon request with a **digital display** for viewing the main functions and the exclusive **"LED Up"** system which can indicate the clogging status of the filter elements via three different colours. Moreover always upon request it can be equipped with **Filter Hepa H13 and its H13 clogging sensor**, to obtain a very high filtration level particularly suitable for micro mists and smokes.

Argos Pro offers particular features, such as its innovative filter protections, that allow for greater performance and lower consumption and prevent internal drips. This increases the life of the filters themselves, maintaining a greater uniformity of the flow at the filter inlet. Furthermore, the innovative design reduces the noise and ensures exceptional firmness, especially in the transport and handling phases.

Filter removal is easy, immediate and clean, since the two filtration system chambers are separated by a sheet metal panel, which is also a support for the filtering elements themselves.

The re-condensed oil mists are collected in a large tank equipped with an external visual level and (upon request) a pump for automatic liquid emptying.



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**MOLD MAINTENANCE
THE HIDDEN VALUE OF A SPOTTING PRESS**

As mold complexity increases, so too does the complexity of maintenance, which advances the role of spotting in mold validation.



In the highly competitive plastics industry great emphasis is placed on precision, efficiency and productivity, but people often forget about the importance of completing the mold process. If a mold builder invests resources into high-precision machining, yet tests its molds using an overhead crane, how can he assure his customers that the molds are properly validated? With a high-precision spotting press, a mold builder can say, "This is how we know the mold is accurate." This validation not only completes the mold process, it also provides the quality assurance of a premiere mold manufacturer.

As molds become more and more complicated, so does the checking and maintenance process. In turn, technology advances and so does the role of a spotting press to validate a mold. Having a high-precision spotting press provides a shop owner several advantages.



Safety. The first criteria in the design and manufacture of a spotting press should be safety. A high-precision spotting press minimizes dangerous mold handling associated with cranes, forklift trucks and other lifting equipment. Different from the mechanical multi-hole or toothed bar system, a high-precision spotting press has a safety device that prevents the press ram from falling, in case the hydraulic system fails. Safety devices are externally connected and always locked, which adds an extra safety measure.

Ergonomics. A high-precision spotting press is designed intrinsically with the maintenance crew in mind. Both platens should have the ability to tilt at varying angles, which helps avoid stressful maneuvers when performing mold maintenance, by making the molds easily accessible. Some presses have a compact design that allows the mold maintenance technician to approach the mold from a variety of angles with a simple tap of a control touch panel. For example, a press with the upper platen rotating 360 degrees and the lower platen rolling out and then tilting 75 degrees. This same approach can be applied to medium and large molds where the upper platen withholds the capability of flipping 180 degrees and the lower platen rolls out, then tilts 70 degrees to either the left or right. This allows workers to ergonomically adjust both platens with the benefit of working on the same side.

Productivity. Some shops use production molding presses to adjust a mold.

This method is dangerous.

It is difficult for technician to work on it.

Molding machines need to be in production continuously utilizing molding machine for spotting or maintenance of Mold is net loss of Production Time.

The features available on Spotting press helps operator to finish the work faster with better quality which is impossible when you use Molding Machine for spotting.

Considering increased complexity of molds (for example, multi-shot molds), a built-in rotational table on a high-precision spotting press allows shops to simulate mold production instead of taking up precious molding machine time. All in one setup, two-shot molds can be tested, adjusted and checked in a safe and simple manner, saving time and money.

Accuracy. High-precision spotting presses have high repeatability and accuracy. Trials can be further improved by testing hydraulic slides, auxiliary cylinders and ejectors. Thanks to a parallelism control system which can gauge the upper plate's position to ensure an even stroke. Today there is a lot of focus on mold accuracy, as many companies cut to net shape and negative stock on their cores and cavities. This parallelism control unit accurately brings the two halves together with precision. This technology features four electronic measurement devices, which continuously check the press' upper plate position and parallelism while comparing it with the lower plate. Encoders are located diagonally in the four external corners of the upper plate with the columns. The measurements are displayed on a touch panel for the entire stroke. If the preset limit parameters are exceeded, the stroke's movement is immediately disabled and the error is displayed. Parameters can be exceeded when hydraulic cylinders not being retracted or tools are being left in the mold (for example, scrapers, grinders, slip gauges and hammers). Some presses use optic scales to ensure the upper plate's movement is even, while the lower platen is locked into position.

User friendly Control - Spotting operations of a high-precision press are intuitively controlled through a control touch panel that makes press functions clear, straightforward and simple. Additionally, the diagnostic program immediately reports on the display any anomalies that occur during operation. Each movement of the press is represented by a specific pictogram. In case of a malfunction, the relevant point is shown on the specific page for a quick solution. This helps minimize downtime, quickens troubleshooting and reduces service costs, especially after the warranty period.

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OVER 20 THOUSAND VISITORS AT THE FIRST EDITION OF GREENPLAST

Broadly positive balance for the first edition of **Greenplast**, the exhibition-convention which took place at Fiera Milano Rho from the 3rd to the 6th of May 2022, dedicated to materials, technologies, and transformation processes for plastics and rubber, with focus sections on sustainability, materials recovery, recycling, and energy efficiency.



Greenplast, the trade fair organized by Promaplast srl and staged in its first edition at Fiera Milano Rho-Però from the 3rd to the 6th of May 2022 was a resounding success. In **6,000 square metres** of net exhibition space, the fair hosted **170 exhibitors** who showcased the **most advanced solutions** in terms of materials, production processes, machinery, and services for a more sustainable plastics and rubber industry working toward a circular economy. The first edition was attended by **over 20,000 visitors from 55 countries**, greatly exceeding expectations, and by **highly qualified buyers**, who were quite interested in the innovations presented at the fair.

The exhibitors expressed their enormous satisfaction, positively impressed by the sensitivity and awareness of operators regarding the focus themes offered by the fair, which represent the present and the future of the plastics and rubber industry.



The exhibition was also enriched in terms of content, hosting several events from the third edition of **Packaging Speaks Green**, the international forum dedicated to the development of the culture of sustainability and circular economy in the plastics and packaging industries. Over 400 operators took part in the various sessions of the event: pharma, beauty & chemicals, plastics and recycling, save food, food & beverage. The event was sponsored by Amaplast and Ucima, associations representing Italian manufacturers of plastics and rubber processing machinery and of packaging machinery, respectively.

Greenplast took place in conjunction with three other leading in industrial machinery engineering fairs making up the network **The Innovation Alliance: Ipack-Ima, Print4All, and Intralogistica Italia**. Together, the four events attracted over **90,000 professional operators**, who were given a privileged view of **an exhaustive overview of technology relating to the industry**. The success convinced the organizers of the four fairs to plan the next edition **from the 27th to the 30th of May 2025**.

In the meantime, the organizational machinery of **Plast**, the long-running international event for the plastics and rubber industry organized by Promaplast srl, is already in motion: after the forced interruption caused by the pandemic, the 19th edition will take place in Milan **from the 5th to the 8th of September 2023**. **Over 30,000 square metres of exhibition space have already been confirmed** by the exhibitors who want to guarantee their participation in **Plast 2023**. New applicants may submit their requests starting in July 2022.

www.greenplast.org

www.plastonline.org

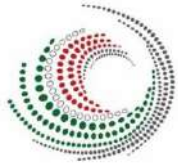
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PRINT4ALL CLOSES WITH ABOUT 21,000 VISITORS

Four days of professional discussion and updating to present the best converting, labelling, and printing machines. The Best in Show was awarded the Award that enhances printed products and their producers for the first time.

Milan, 7 June 2022 –: 246 companies and 20,922 operators: these are the numbers that concluded the second edition of Print4All, from 3 to 6 May at Fiera Milano, and that confirmed it as a reference point in Europe for print and converting professionals.

"If I wanted to define this edition with a noun, it would surely be 'energy'. This is what was felt in the pavilions and at the stands of the companies during all four days of the event. – explained Paolo Pizzocaro of Fiera Milano, Exhibition Director of Print4All – Evidently, the desire to meet again in person, to be able to confront life, to touch all the innovations that the sector offers, has moved a large number of professionals to visit Print4All to update, but also to do business, because this year, more than ever, the fair was not only a moment of relationship but also an opportunity to sign sales contracts. We partly imagined it, but the results exceeded expectations."

The profile of visiting operators was high: 44% were owners, CEOs, and managers - therefore decision-makers with spending capacity - while 32% were represented by technical figures, fundamental for the selection and evaluation of the technologies to be included in their companies.

On the interesting side, 42% were looking for innovations related to printing solutions, but there was no lack of attention to raw materials, components and equipment in the press room, a primary objective of 24%.

Interesting are the data linked to foreign operators, coming from 66 countries, as evidence of the resumption of international mobility. A strong presence of European professionals (71%) and North Africa (12%), areas particularly interested in the purchase of technologies Made in Italy in these sectors.

In particular, the ten most-represented countries were Spain, Germany, Switzerland, France, Slovenia, Algeria, Romania, Albania, Poland, and Egypt.

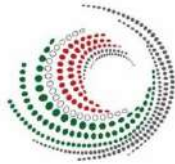
THE MARKET BETWEEN INNOVATION AND NEW SCENARIOS

Print4All showed the best of converting, labelling, and printing machines, the result of the constant research and development work of the companies present and expression of a market that looks with increasing interest in circular economy models and industry 4.0, but also at servitisation and digitalisation, which makes it possible to speed up processes and makes customisations possible even at short runs.

The sector is now worth 3.1 billion in turnover in Italy, and continues to perform well, even if the long-term effects of the pandemic and the world political situation are a variant to keep an eye on. The increase in the prices of raw materials, materials and energy is slowing down the supply chain and is impacting, therefore, not so much on machinery orders - which remain good - as on delivery times. A trend that, according to experts, can be unlocked starting next year.

But the desire to react is high: Print4All was an important showcase of the varied and colourful printing world, from machines for the large industry to proposals suitable even for small print runs.

"The event fully represented a world in which the press becomes a tool to dialogue with the public, transfer messages and values and also exciting: from solutions capable of enhancing and making unique packaging and labels, customisations, metallic inks, tactile or sandy effects, glitter, reliefs, new colours, and varied textures capable of ennobling and make every product valuable. But also prints on materials other than paper, such as fabrics for clothing or interior design, which become a tool for experiencing environments in a new way." Above all, today there is the need to amaze with 'special effects', capable of bringing the most creative ideas to life" - says Antonio Maiorano, President of ARGi.



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“Fil-rouge of this edition - added Daniele Barbui, President of ACIMGA – was innovation is certainly the driving force needed to guide the choices towards increasingly sustainable solutions, both in terms of materials and processes. Today, in order to be competitive, we need an approach that combines maximum energy savings and minimum environmental impact: the market and consumers reward virtuous behaviours, aware and prefer sustainable and recyclable products and companies that have embraced a culture of circular economy”.

AN AWARD FOR EXCELLENCE

Significant examples of the excellence present at the fair were highlighted by the first edition of the Best in Show Award, which he told, through particularly innovative, machines and technologies capable of producing high-level printed communication products. Four finalists: sustainable and recyclable packaging that guarantees the same correct food preservation as a plastic film, presented by Bobst; a precious label made with elaborate techniques, presented by Cartes; a customisation project, through printed wallpapers, of hospital environments, an example of interior excellence design presented by Fuji Film; a brick that is unique in shape and entirely recyclable because it comes from sugar cane, presented by IMS Technology. The final prize was awarded to the Cartes valance for the Bacca Nera label, valuable and avant-garde, the result of the use of new materials and glueing techniques, gold and relief ennobles that can enhance and make the product unique.

TRAINING AND NEW RECRUITS

Results of this kind require the latest generation technologies, highly sophisticated machines, but also adequately trained personnel who are always up to date on the latest innovations.

For this reason, this year, Print4All has dedicated a great space to training and information through its rich and articulated program of meetings and seminars. The public appreciated the opportunities for professional updating offered by the Intensive Seminars, designed with a formula lean but effective and articulated with proposals declined in the different printing markets: from communication to sustainability, from the digitalisation of processes to big data. While exploring new ideas, gathering creative stimuli, and understanding the evolutions that will change the way we do business, the audience met at the meetings of The Future Of.

There was no lack of particular attention to the professionals of the future: in the four days of the fair, there was a high presence of young people from art and design schools and specialised institutes who prepare tomorrow's technicians. An opportunity to presents the sector to young talent, telling the virtuous interaction between innovation, technical expertise and creativity that give rise to results increasingly sought-after.

A SYSTEM PROPOSAL

Print4All was also included for this edition in the innovative format of The Innovation Alliance, the event dedicated to instrumental mechanics, which saw takes place in four contemporary events from a supply chain perspective.

A concept that continues to work as witnessed by the more than 90,000 global visitors and that represents a unique moment to discover the best of the technologies intended for the manufacturing industry.

The Innovation Alliance - which includes Ipack-Ima, Greenplast and Intralogistica Italia and Print4All - will return with the same composition from 27 to 30 May 2025, always at Fiera Milano.

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UCIMU MEETING: AN EXCELLENT 2021 FOR THE ITALIAN MACHINE TOOL INDUSTRY THE YEAR 2022 STILL ON THE DECREASE

Sesto San Giovanni, 5 July 2022. The year 2021 was extremely positive for the Italian manufacturing industry of machine tools, robots and automation systems, which registered **double-digit increases** for all main economic indicators: production, exports, deliveries to the domestic market and consumption.

With these results, **once again, the Italian industry of the sector confirmed to be one of the key players in the international scenario.** In particular, it ranked **fifth in the world ranking of production**, letting the United States go ahead. It came in **fourth among exporting countries** and **fourth among consumer countries**, climbing a position compared with last year.

In 2022, despite the atmosphere of general uncertainty, **the positive trend should definitely continue.** Owing to this, the Italian industry of the sector should achieve new absolute records for most indicators.

This is the framework summed up by the president of UCIMU-SISTEMI PER PRODURRE **Barbara Colombo**, this morning, during the **Members' Meeting**, which was also attended by the president of CONFINDUSTRIA, **Carlo Bonomi**.

THE ACTUAL RESULTS OF 2021

According to the final data processed by the Economic Studies Department & Business Culture of UCIMU, in 2021, **the Italian production of machine tools, robots and automation systems attained 6,330 million euro**, reporting a **22.2% upturn** versus 2020. **Consumption grew by 40.7% to 5,009 million euro**, calling forth a **rise**, both in the **deliveries to the domestic market (+35.1%, 3,135 million euro)** and in **imports (+51.1%, 1,874 million euro)**.

An increase was also recorded with regard to **exports**, which, in 2021, amounted to **3,195 million euro, i.e. 11.7% more** than in the previous year. **The exports/output ratio went down from 55.2% in 2020 to 50.5% in 2021.**

In 2021, the main export markets for the Italian product offering were Germany (353 million euro, +22.2%), the United States (336 million euro, -10.1%), China (228 million euro, +1.7%), Poland (177 million euro, +23.5%), France (176 million euro, +11.3%), Turkey (129 million euro, +28.7%), Russia (103 million euro, +2.9%), Spain (99 million euro, +4.4%).

The positive performance of the Italian industry of the sector had a beneficial effect on the **utilisation rate of production capacity, whose yearly average strongly increased, going from 65% in 2020 to 80.2% in 2021.** Even the **order portfolio was on the rise, achieving 7.3 months of guaranteed production**, versus 5 months in the previous year.

The turnover of the sector reached the amount of 9,174 million euro.

FORECASTS 2022

Based on the forecasts elaborated by the Economic Studies Department & Business Culture of UCIMU, in 2022, the growth trend should definitely continue.

Production should stand at **7,150 million euro, i.e. 13% more** than in the previous year, thus marking a **new absolute record** in the history of the Italian industry of the sector.

Consumption should grow, attaining the **record-breaking value of 5,670 million euro (+13.2%), driving the deliveries of manufacturers** to the domestic market, which should break a **new record**, amounting to **3,520 million euro (+12.3%)**. Even imports should go up, almost reaching the value of 2,150 million euro (+14.7%).

Exports should rise to **3,630 million euro (+13.6%)**, thus returning to the levels achieved 4 years ago (2018).

Based on UCIMU processing on ISTAT data, in the first three months of 2022, the main export markets of the Italian machine tool offering were **the United States** (93 million euro, +40.5%), **Germany** (62 million euro, -29.3%), **China** (45 million euro, -0.1%), **France** (40 million euro, +3.8%), **Poland** (35 million euro, -14.6%), Spain (30 million euro, +86.2%), Russia (20 million euro, -40.8%), Mexico (19 million euro, -13.1%), Turkey (18 million euro, -59.7%) and India (17 million euro, +17.8%).

UCIMU-SISTEMI PER PRODURRE

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COMMENTS AND PROPOSALS OF INDUSTRIAL POLICY

Barbara Colombo, president of UCIMU-SISTEMI PER PRODURRE, pointed out: “Today, we are experiencing a paradoxical situation: Italian manufactures have received a large number of orders, as never before, but they are able to produce just a part of the orders collected between the end of 2021 and the first six months of 2022. **If the shortage and the rise in the prices of raw materials represent a problem that is gradually being resolved, in the next months, we will continue to have difficulty finding electronic components.** Moreover, there is the problem of the **exorbitant price increase of energy costs**, which fuels inflation and has a direct impact on production costs in many upstream and downstream sectors of the production chain where we operate. Therefore, we consider as essential to carry out **any actions aimed, on one hand, at finding new sources of energy supply and, on the other hand, at limiting the disproportionate rise in prices, in order to prevent stopping the manufacturing activity next autumn**”.



UCIMU President, Barbara Colombo

“In addition to these problems, there is great uncertainty due to the deep **transformation concerning the automotive sector** and all its numerous related industries and activities, in consideration of the target defined by the EU to put an end to the production of endothermic-combustion engine vehicles by 2035”.

“Based on the discussions involving enterprises, institutions and organisations, including UCIMU, taking part in the work table managed by the Ministry of Economic Development, our Government authorities expressed Italy’s clear standpoint about the necessity of ensuring a gradual passage to the green production of motor vehicles, according to what we have defined as *technological neutrality*”.

“In Italy, we have a strong, deeply rooted tradition in the automotive production, which includes not only the manufacturing of vehicles, but also that of components, mainly carried out by small and mid-sized enterprises, operating in the supply chains of automotive sectors all over the world, starting from Germany. We, the Italian machine tool manufacturers, sell about 50% of our production to the automotive industry. This enormous macro- sector represents a heritage that must definitely be protected, also because it is the fruit and expression of the Italian knowledge and know-how”.

“For this reason – stated the president of UCIMU – we do not absolutely want to oppose the change. We just ask to appropriately balance the interventions and define an agenda with a reasonable timing, which may enable the reconversion of the plants that have to be destined for new productions and alternative sectors, and which may enable a related and suitable professional education and training”.

“After all, the Italian machine tool industry is extremely sensitive to the issue of **green production**. Indeed, **Transition 4.0**, already included in state-of-the-art production technologies, is the response to the necessity of delivering solutions and systems capable of ensuring a sustainable approach for manufacturing”.

“The modernisation of the “Workshop Italy” has been started and supported by the Incentives 4.0 in force for over five years, but the digital transformation of industrial plants and the expansion of production capacity have not certainly been accomplished and thus, they have to continue. Therefore, we ask the Government authorities to reason on a **structural incentive measure for the replacement of obsolete machinery and the introduction of technologies 4.0 and, at the same time**, we ask the Italian Government to **extend and simplify the applicability of the measure regarding the tax credit for professional education and training**”.

“People are the crucial factor for the success of our enterprises and, in particular, young people. Therefore, we think it essential that our country makes an important investment in all those schools of any kind and level – professional schools, technical institutes, higher technical institutes (ITS), universities and postgraduate courses – whose course of studies has a direct relation with the manufacturing industry and, in particular, high-tech manufacturing. On our part, as entrepreneurs, we are committed to building a product offering suitable for the needs of today’s candidates, in order to be more attractive for new high-school and university graduates. However, we require more support from the Government authorities to achieve the **elimination of**

UCIMU-SISTEMI PER PRODURRE

Associazione Costruttori Italiani Macchine Utensili,
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the tax wedge for all employees. In the meantime, while awaiting discussions on its possible implementation, it must necessarily be applied to newly hired young people right away, in order to encourage their addition to our companies' staff, which must rely on a necessary generational change".

Finally – concluded the president of UCIMU – for a sector that exports half of its production, internationalisation cannot be a choice: it is a must, even in particularly difficult periods, such as the current one. Thus, we will continue to be actively present in the emerging markets, without overlooking the traditional ones".

"First the public health emergency and then the war in Ukraine showed the weakness of a system based on an extreme level of globalisation. The production and supply of goods, even strategic ones, from places that are very distant or characterised by a high level of instability have caused many problems to the value chains, which are gradually becoming shorter today. Owing to this, the European manufacturing industry is reorganising itself, increasingly privileging supplies and co-operations that are geographically and culturally closer. This means that we, the Italian manufacturers, must look at the European Union and the United States very carefully. We should take advantage of our flexibility and capacity to react once again, to steal our competitors' thunder and find a new position within the new supply chains, where now new spaces are created".

"Moreover, in order to promote the Made in Italy of the sector, the participation in international trade fairs in Italy and abroad is also fundamental, as exhibitions are capable of attracting operators from any part of the world. Therefore, we think that all the provisions aimed at encouraging the enterprises' participation in trade shows are extremely important. Amongst other things, over the last few days, the action carried out by Professional Associations and Exhibition Centres to highlight the strategic importance of trade fairs - today still the most important occasion for the promotion of the sector's companies - led to include an amendment to the Aid Decree, providing for a bonus of 10,000 euro for the Italian enterprises that wish to take part in international exhibitions held in Italy by the end of 2022"

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Company Names	Details of Machineries	Companies logo
BLM S.p.A	Tube processing machines (Laser Tubecutting, CNC Tube bending, end- forming, automatic sawing, tube/bar cutting and end-machining), Wire bending machines, Five Axis Laser cutting machines, Laser sheet cuttingmachines.	 BLM GROUP
BUFFOLI TRANSFERS.p.A	CNC Rotary Transfer Machines (Bar orBlanks), complete with automation, robotic and gaging systems. IoT (I4.0) technology and software.	 BUFFOLI INDUSTRIES
FICEP S.p.A.	CNC lines for the processing of profilesand plates for the steel construction industry (drilling, milling, marking, scribing, sawing, plasma and oxy cutting, punching, shearing). Hydraulic,mechanical and screw presses, shears, saws and automation for the forgingindustry	
LOSMA S.p.A	Air filtration systems and coolant filtration systems for machine tools	 LOSMA [®] WORKING CLEAN, BREATHING HEALTHY
MILLUTENSIL S.r.l	Die & Mould spotting presses, dies splitters for splitting, equipment forpresses, coil lines, cut to length line(CTL)	