

# NEWSLETTER



**I**talian  
**T**echnology  
**C**enter  
**India**



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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](http://www.raretech.org).



## INVITATION

# GATEWAY TO ITALIAN TECHNOLOGIES

**Italian machine tools industry for India's sustainable future manufacturing**

**29<sup>th</sup> NOVEMBER 2023, FROM 4.30 p.m.  
SAYAJI HOTEL PUNE**

**ITALY AND INDIA DISCUSSION ON FUTURE MANUFACTURING. ITALIAN MACHINE TOOLS, AUTOMATION AND DIGITALIZATION PROCESSES AS DRIVER OF SUSTAINABLE GROWTH**

**ITALIAN TECHNOLOGY CENTER (ITC)** is pleased to invite you to its **Nine Annual Seminar focused on "Italian Machine Tools Industry for India's sustainable future manufacturing"** that will take place **on 29<sup>th</sup> November 2023 at Sayaji Hotel** (135/136, Mumbai-Bangalore Bypass Highway, Wakad, Pune, Maharashtra – 411057), **from 4.30 pm.**

The Annual Seminar is one of the key activities of ITC in the Indian market as it's a unique opportunity to strengthen relations and views between Italian ITC Companies and Indian partners and get in touch with leaders in machine tools sector.

During the seminar, leader Italian companies (BLM, BUFFOLI, FICEP, LORENZON, LOSMA, MILLUTENSIL) will present their latest technologies to Indian Entrepreneurs. A session devoted to B2B meetings with Italian Representatives will be scheduled as per Individual Requirements & followed by a Networking Dinner.

Program:

5.00 pm – 5.20 pm: **OPENING SESSION – ITC Presentation and overview on Italian and Indian machine tools industries and market trends**

5.20 pm – 6.20 pm: **ITALIAN ITC COMPANIES PRESENTATION – Latest technologies in machine tools sector and the value of cooperation with Indian partners**

6.20 pm – 7.30 pm: **CLOSING AND B2B MEETINGS SESSIONS**

7.30 pm **Networking Dinner**

**To confirm your participation, please proceed with the free registration at [this link](#).**

For further information and for any problem with the registration, please contact Mr Ashish Kamat, General Manager of ITC: +91-99608 65353, [marketing@itc-india.in](mailto:marketing@itc-india.in)

**WE LOOK FORWARD TO MEETING YOU ON 29<sup>th</sup> NOVEMBER!**



**BLM GROUP**

### **INNOVA 2023 – BLM GROUP's OPEN HOUSE**

From Sept. 20 to Oct. 4, BLM GROUP opened the doors to its facilities located in Levico Terme (Trento, Italy) to offer its customers a unique experience of getting up close with the technology and hospitality that distinguish its operations. The new name of the Open House, INNOVA, selected emphasizes a strong focus on the company's unwavering devotion to technological innovation. The event occupied a total exhibition area of more than 10,000 square meters divided into 4 main Tech Hubs, where attendees will have the opportunity to get hands-on with the latest innovations on the group's various technologies (Lasertube, sheet laser, 3D laser cutting cells, tube benders, wire benders, sawing machines and tube shapers) and all the software solutions of the BLMelements suite. At INNOVA, attendees also found specific areas dedicated to research and development and the wide range of services offered by the group: maintenance, technical assistance, and training and BLM portal.



This year, the new Lasertube LT12: a fiber laser cutting system for metallic tubes and profiles capable of cutting tubes from 25 to 305 mm in diameter was presented.

LT12 can be equipped with different laser powers and is capable of processing tubes up to 62 kg/m in weight. The main chuck and the front chuck are designed to minimize the end-scrap.

Among the many products on display, some of the latest innovations stood out:

Here are other interesting products / solutions that were presented:

#### **ELECT63-E**

A modern all-electric tube bender, ELECT63-E was born from the vision of filling the void of providing a cost effective, quality system for all manufacturers producing simple tubular components.

#### **Working cell with LT7, E-TURN and AGV**

This application is one of many examples of integration that the BLM Group can offer. This cell produced three different bent parts. The tubes were cut on the LT7 and a Data Matrix code was marked on the tube by LT7. The parts were unloaded by the unloader on a conveyor, and then a robot picked them up and placed them on an AGV. The AGV took the parts to an automatic loader connected to the E-TURN tube bending machine. The Data Matrix code was read on the loader and communicated to E-TURN, which in turn loaded the correct bending program to bend the part.

## LT8.20 with automated warehouse

The coupling of a Lasertube system with an automatic warehouse stems from the vision of a solution to effectively reduce the shop floor space occupied by material and make the entire laser tube cutting process more efficient.

## LS7

From the vision of a sheet metal laser cutting system with all the functionality of a high-end machine and features that allow it to stand out in this market, BLM GROUP condensed its more than 35 years of specific technology experience into an easy-to-use machine with excellent performance, full of value-added solutions including: innovative pallet changer to reduce the change-over times, gantry structure which allows accelerations of up to 2g, and extraordinary versatility.



Apart from these, the following systems were also present:

- BLM Group's unique All-In-One technology that connects the tube bending machine to the laser tube cutting machine,
- ELECT150 bending a 110 mm diameter Stainless Steel tube with a very tight, 90 mm CLR,
- LT-FREE and LT360, the two systems for 3D laser cutting,
- A manufacturing cell producing end-formed and bent parts from a bobbin of tube
- A double-head wire bending machine,
- Various models of automatic sawing machines cutting tubes and solid bars,

The complete software suites used on all the BLM Group's products and the new developments therein were also presented. This included the Customer portal thru' which the Customer can directly by consumables and some spare parts using the E-Shop facility.



During INNOVA, guests had the opportunity to interact with industry experts, who guided them through the exhibition spaces and assisted them with the "leitmotif" of this Open House: from the vision of new goals, through the knowledge of new technological tools, to identifying the most suitable solution for their needs.



## HIGH-PRECISION TRANSFER MACHINES (ALSO FROM COIL)



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Fax: +39 030 201555

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## ACCESSORIES FOR MACHINE TOOLS AND OVERHAULS



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SINCE  
1930



# WORLD LEADER IN CNC MACHINE TOOL MANUFACTURING

As Italian-based firm we become **the largest producer in the world** today of automated systems for the fabrication of

## STRUCTURAL STEEL

- Industrial and commercial buildings
- Transmission towers
- Bridges
- Agricultural and earth moving equipments
- Offshore
- Wind industry
- Steel service centers



## PLATES processing

Gemini and Kronos are designed to work as stand alone systems or combined in a unique solution offering higher productivity and flexibility.

Gemini is the complete plate processor solution for fabricators and manufacturers of all sizes. It handles from light to heavy plates for thermal cutting, marking, drilling, tapping, milling, beveling and more, with unprecedented productivity and accuracy.

Kronos are heavy duty gantry style thermal cutting systems engineered for steel fabricators who need to generate diverse plate parts from stock plates. The Ficep Kronos integrates all the cutting, marking and drilling processes into one single operation to reduce material handling cost.



For further information:

[www.ficepgroup.com](http://www.ficepgroup.com)

Pradman Engineering Services Pvt. Ltd.  
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SINCE  
1930

# WORLD LEADER IN MACHINE TOOL MANUFACTURING



As Italian-based firm we become an **outstanding producer** of equipment for the

## FORGING INDUSTRY

- Automotive and Aerospace
- Trains and railways
- Energy
- Motorcycling
- Medical
- Petrolchemical
- Houseware and kitchen cutlery



## SAWING

Our range of high performance disc sawing machines fitted with 'carbide tipped' blades is the result of our long experience in the manufacturing of CNC cutting systems.

Our sawing lines overcome all the limitations of the traditional disc or band saw and increase productivity output thanks to their exceptional performance in terms of speed, accuracy, sawing quality and allowing a reduction in scrap production.



Indian official representative:

[www.ficepgroup.com](http://www.ficepgroup.com)

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# LINERS FOR ROLLING MILLS

*Lorenzon's product is the synthesis of the requirements of those who use it and the professionalism of those who create it*



## LINERS AND WEAR PLATES

The experience acquired in the field of precision mechanics has been put to good use in the construction of wear plates for rolling mills and of components used in the metallurgical industry.

We work with the world's leading steel mills and steel plant manufacturers, constantly supporting them in the development of new projects as well as in the regeneration and modernization of existing rolling systems. Our liners are designed to ensure the highest performance of rolling mill rolls.

We thoroughly guide the customer in the design of the plates, the associated construction drawings, the selection of the most suitable material, and the implementation of heat treatment to ensure maximum durability.

At Lorenzon we design and manufacture all types of plates for rolling mills. Each plate has a different use and is therefore mounted in a different part of the plant:

- On the lower part of the rolling cage (**rocker plates**)
- On the **work roll chock liners** and **back up chock liners**
- On the cage (**housing liners**)

Each type of wear plate is manufactured by us to optimize the performance of the part of the plant on which it is installed.

To address these critical aspects and ensure the plant's peak performance, at Lorenzon we have developed the concept of **wear plate with induction hardening**, which allows us to obtain a product with a dual hardness. In particular, we use induction hardening, with variable hardening depths of up to 5mm, to create a dual-layer product:

- The **upper layer**, which is hardened, ensures excellent wear resistance, extending the plate's lifespan and minimizing potential dimensional variations.
- The **lower layer**, which is not hardened, is soft enough to absorb impacts, slips, and vibrations generated during operation.

### LORENZON & C. S.r.l.

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Web Site: <https://lorenzon-it.com/en>

***Galileo: the ultimate in filtration efficiency***

**More filtration efficiency and more static pressure are the results of Galileo, the patented filtration system for mists, vapours and fumes generated by manufacturing applications. Available in 5 models with flow rates from 245**

**to 2,750 m<sup>3</sup>/h, Galileo technology combines static and dynamic filtration** to ensure maximum efficiency. It is equipped with a new turbine that aspirates oil mists and polluting particles in the air, which join together and return to the liquid state due to centrifugal force. Before being returned to the environment, the air passes through a new multilayer filter capable of retaining even the smallest particles.



Among the advantages of Galileo there are also its **compact dimensions** and its very **low power consumption**.

**Galileo** also ensures quick, **simple maintenance**: you only need to periodically replace the filters through the special lightweight, handy inspection cover.

**Innovative design**: Galileo combines Italian design with the most modern technologies.



Galileo can also be combined with the new **clogging sensor X-View** (patent pending).



This new generation sensor indicates the **clogging status on the filters**, simply and immediately signalling when they need to be changed, thanks to its **LED light signalling system**. Thanks to its Self-learning function, it will automatically set its starting point to the flow, no matter which is the condition of installation.

**X-View** internal software can also detect if the air filter has immediate or progressive fluctuations in flow due to eventual piping obstruction or malfunctions.

For further information:  
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Website: [www.losma.in](http://www.losma.in)

## ***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.

Visit our website [www.millutensil.com](http://www.millutensil.com)



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## INDUSTRY FIGURES

According to the results of the third edition of the National Statistical Survey conducted by the MECS-Amoplast Statistical Studies Centre, the plastics and rubber processing technology industry closed the year 2022 with revenues of 4.35 billion euros, for an 8.1% increase over 2021.

This is the second best performance of all time, achieved in spite of the fact that the sector had to cope with numerous difficulties during the course of the year, such as limitations on exports to Russia, shortages of raw materials and components, and increases in energy costs, just to name a few. Some of these difficulties have yet to be fully resolved, but probably a constantly changing world situation is the new paradigm to which companies will have to adapt, carefully balancing due caution with a healthy willingness to take risks. And indeed, this is a mindset well represented in recent years by businesses in the sector, which have ably parried many of the economic repercussions of world events occurring during the pandemic and afterwards, always ready to continue moving forward with their eyes on the future.

The main factor in this achievement was exports, which recorded a further upturn toward the end of the year and a total value exceeding the threshold of 3 billion euros (3.16 to be precise, +8.5% over 2021).

In detail, exports by Italian manufacturers – which represent 72.7% of total production – show sustained growth toward the main geographical zones: EU (+8%), North America (+6.6%), non-EU Europe (+8%), and the Far East (+9%).

As regards exported product categories, extrusion systems hold the lead, bringing in 20.8% of the entire Italian business volume (up 13.7% over 2021), followed by auxiliaries (13.7%), and injection machines (9.5%), with the remaining categories collectively amounting to 24.2%.

The domestic market grew by 6.8% with respect to 2021, with a business volume exceeding 1.18 billion euros. The top 3 client sectors are packaging (40.6% of total revenues), automotive (15.9%) and construction (11%).

[www.amaplast.org](http://www.amaplast.org)

[www.plastonline.org](http://www.plastonline.org)



ASSOCIAZIONE NAZIONALE COSTRUTTORI DI MACCHINE  
E STAMPI PER MATERIE PLASTICHE E GOMMA

ITALIAN PLASTICS AND RUBBER PROCESSING MACHINERY  
AND MOULDS MANUFACTURERS' ASSOCIATION

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## UCIMU-SISTEMI PER PRODURRE

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Robot e Automazione  
Italian Machine Tools, Robots and Automation  
Manufacturers' Association



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### 34.BI-MU FROM 9 TO 12 OCTOBER 2024, FIERAMILANO RHO

From 9th to 12th October 2024, fieramilano Rho will be the stage for the 34th edition of BI-MU, the most important Italian exhibition dedicated to the manufacturing industry of metal cutting and metal forming machine tools, robots, automation systems, digital and additive manufacturing, auxiliary and enabling technologies.

The only trade fair for the sector in Italy with a truly international scope, the first one to open up to the world of connectivity for industry, BI-MU will present its proposal, by highlighting All faces of innovation.

Besides machine tools and production systems, there will be 8 exhibition themes: Robots, Additive, Digital, Metrology, Power Transmission Systems, Heat and Surface Treatments, Composites and Consulting.

The exhibition offer will be complemented by a cultural thematic in-depth analysis and discussion, as usual developed through a rich programme of meetings, arranged by organisers and exhibitors and hosted in the BI-MU più arena.

In addition, a special project will be dedicated to education, with the aim of bringing, even during the event, the world of education closer to enterprises, which strongly need to rely on skilled, motivated young people trained to operate in the factories of the future.

Promoted by UCIMU-SISTEMI PER PRODURRE, the Italian machine tools, robots and automation systems manufacturers' association ([www.ucimu.it](http://www.ucimu.it)), and organised by EFIM-ENTE FIERE ITALIANE MACCHINE, 34.BI-MU is a sustainable event, managed and organised according to the principles of environmental, economic and social sustainability, with ICIM ISO 20121 certification.

[Download the brochure of 34.BI-MU](#)



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Company Names	Details of Machineries	Companies logo
BLM S.p.A	Tube processing machines, Laser Tube cutting, CNC Tube bending, end- forming, automatic sawing, Wire bending machines, Five Axis Laser cutting machines, Laser sheet cutting machines.	 <b>BLM GROUP</b>
BUFFOLI TRANSFER S.p.A	CNC Rotary Transfer Machines (Bar or Blanks), complete with automation, robotic and gaging systems. IoT (I4.0) technology and software.	 <b>BUFFOLI INDUSTRIES</b>
FICEP S.p.A.	CNC lines for the processing of profiles and 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 forging industry	 <b>FICEP</b>
LORENZON S.r.l.	Knives and jaws for tube industry, guideway and sideways for machines and hydraulic presses, knives and blades with all the shapes for metal industry, precision plates and liners for rolling mills, machining up to 10 meters.	 <b>LORENZON</b> 1933
LOSMA S.p.A	Air filtration systems and coolant filtration systems for machine tools	 <b>LOSMA</b> <sup>®</sup> WORKING CLEAN, BREATHING HEALTHY
MILLUTENSIL S.r.l	Die & Mould spotting presses, dies splitters for splitting, equipment for presses, coil lines, cut to length line (CTL)	 <b>MILLUTENSIL</b> <sup>®</sup>