



## PRESS KIT

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THE ITALIAN MACHINE TOOL MANUFACTURING INDUSTRY  
THE WORLD MACHINE TOOL MANUFACTURING INDUSTRY

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## 34.BI-MU: ALL FACES OF INNOVATION

From 9 to 12 October 2024, fieramilano Rho will again host BI-MU, the international biennial exhibition for the industry of machine tools, robots, automation, digital and additive manufacturing, now in its 34th edition.

Promoted by UCIMU-SISTEMI PER PRODURRE, the Italian machine tools, robots and automation systems manufacturers' association, and organised by EFIM-ENTE FIERE ITALIANE MACCHINE, **BI-MU is the only trade show in Italy specifically dedicated to the sector and one of the most important events worldwide.**

The key players of the exhibition are over **750 companies**, **8.5%** more than those registered for the 2022 edition. A percentage of **37% of the exhibiting companies are from abroad**: Germany, Japan, Taiwan, Switzerland, USA, Spain, France, China, South Korea, Austria, UK, Turkey, Czech Republic, Denmark, Poland, Netherlands, San Marino, Ireland, Hong Kong, Belgium are the represented countries.

With regard to **direct exhibitors**, the comparison with the past edition is even more interesting: they are **15% more** than in 2022; if we consider **foreign exhibitors alone, their number is even doubled.**

The technologies on show, exhibited over a **total area of 65,000 square metres** in the **four halls set up for the event, 9-11/13-15**, represent the international sector offerings in the best way.

In the spotlight are metal cutting, metal forming and additive machines, robotics, automation, digital and 4.0 technologies, artificial intelligence, quality control and metrology systems, logistics for the mechanical engineering industry, auxiliary technologies, subcontracting and much more.

Besides machines and production systems, the true heart of the event, 34.BI-MU proposes **8 exhibition themes** to represent “**all faces of innovation**”, as the slogan accompanying the promotion of the event states.

**RobotHeart**, dedicated to robotics, automation, related technologies, systems and artificial intelligence for all manufacturing sectors; **piùAdditive**, focused on machines, materials and software for production with additive technologies; **BI-MU Digital**, centred on software, technologies for connectivity and data management, cybersecurity and sensors; **Metrology and Testing**, proposing measuring instruments, testing machines, machine vision, quality control; **Power4machines**, with mechatronic solutions, systems and components for power transmission; **Heat and Surface Treatments**, showing machines, plants and surface and heat treatments; **The Composites**, the great novelty of this edition, whose key players are manufacturers of composites and machines for processing them; **Consulting and Certification**, offering consulting services for digitalisation, cybersecurity, sustainability and the environment, financial services.

An interesting overview of **Revamping & Retrofitting** completes the exhibition offering, showing how machine tools and systems can have a new life, if they are adequately refurbished and equipped with new functionalities.

However, **BI-MU** is not “only” an exhibition of innovation or a trade event, but it is also, and above all, **an opportunity to update and study the trends that characterise manufacturing production and the transformation of processes within factories.**

The thematic cultural insight is offered to the operators attending BI-MU through a rich programme of meetings and conferences: **about eighty meetings, arranged by organisers and exhibitors, most of them held in the BI-MUpiù Arena.**

The large number of proposals and the specificity of the topics have made it necessary to set up different areas dedicated to meetings and events: **the AITA stand, hosting meetings focused on the world of additive manufacturing; the ROBOTGAMES area as a stage for all interactive and educational initiatives dedicated to young people; LEM 3 and 4** with some meetings regarding robotics and the **world of academic research applied to robotics and automation.**

A novelty of this year is the special project **“Education and Job”** dedicated to attracting talents who, at the exhibition, can experience first-hand content, value and opportunities offered by the sector and its companies.

Since the end of the past edition, the event has been able to rely on a special communication and promotion plan, involving more than a hundred specialist publications to cover the wide range of **sectors using** production technologies, robotics, automation, digital and additive manufacturing, with the aim of “capturing” the large public of visitors expected at the trade show from 9 to 12 October.

In addition, 34.BI-MU was presented at no less than **18 approach events** targeting specific exhibition sectors or destination markets and was **promoted at 13 international trade fairs worldwide.**

## **BI-MU AND SUSTAINABILITY**

**34.BI-MU is a sustainable event**, managed and organised according to the principles of environmental, economic and social sustainability, with ICIM ISO 20121:2013 certification.

After all, the exhibited technology itself is an expression of the attention that the manufacturing world devotes to this issue. In the limelight of BI-MU are state-of-the-art production and automation machines and systems, equipped with 4.0 and 5.0 technologies, i.e. capable of ensuring proper resource management and energy saving.

In addition, the revamping and retrofitting proposal itself meets the demand expressed by those who, for different reasons, choose to extend the service life of a machine, in line with the principles of the circular economy.

When registering to exhibit at 34.BI-MU, exhibiting companies were asked two questions about their approach to sustainability. Almost 50% of the exhibiting enterprises stated that they had undertaken actions in the field of sustainability, whereas 25% of them confirmed that they had obtained one or more certifications in this context.

The commitment of BI-MU organisers to creating a sustainable event is also proven by the inclusion of the issue of certification among the exhibition themes, with a special focus on environment.

## THE 8 TECHNOLOGICAL THEMES

### RobotHeart – The Art of Smart Robotics

Relying on the success of the first edition, **RobotHeart (Hall 13)**, the exhibition project dedicated to the world of robotics and hosted for the first time in 2022, is held again at BI-MU, de facto presenting itself as the reference event in Italy centred on the sector of industrial robots.



The return of all the exhibitors who had taken part in the first edition of **RobotHeart (33.BI-MU 2022)**, the participation of new players, as well as the interest shown by numerous Italian (and non-Italian) System Integrators confirm how much the project has been appreciated by this world. This sector has long felt the need to have an event in Italy focusing on robotics, automation, related technologies, components, systems and artificial intelligence.

To complete the proposal of **RobotHeart**, in addition to manufacturers and integrators, there will be universities and representatives of the academic and research fields, spin-offs and start-ups, to illustrate the many facets of a sector that is today decisive for the competitiveness of the industrial system, a winning synergy between robotic technology, artificial intelligence and creativity.

Sponsored by **SIRI**, the Italian Robotics and Automation Association, and organised by EFIM-ENTE FIERE ITALIANE MACCHINE, **RobotHeart** is not “only” an exhibition area for matching supply and demand for automation technologies, but it is also a **laboratory of ideas**, a place where culture and knowledge are generated, a point of reference and updating for those working in the field.

In the **BI-MU più** arena, in addition to the battery of **speeches by exhibitors, on Friday, 11 October**, the “**Robotics Day**” will offer a rich programme of meetings by the main organisations representing the sector, such as **IFR**, International Federation of Robotics, **SIRI**, **I-RIM**, Italian Institute of Robotics and Intelligent Machines, **AixIA**, Italian Association for Artificial Intelligence, and **UCIMU-SISTEMI PER PRODURRE**.

**The appreciation for the project also by international players is underlined by the IFR’s decision to hold its meetings, including its annual assembly, within BI-MU. For Italy, once again, I-RIM has chosen the event to hold its meetings dedicated to strengthening the dialogue between the world of research and enterprises and to present RobotPick.**

### piùAdditive

piùAdditive (**Hall 15**) has now become for several years the event of reference in Italy for manufacturers, distributors and consumers of solutions for additive manufacturing, who never fail to attend. Of the 50,000 operators visiting the last edition of BI-MU (2022), 26% expressly mentioned additive manufacturing as their area of interest.



Capable of ensuring a better management of energy resources and of materials, today additive manufacturing is at the core of the debate on sustainability, a central theme, together with digitalisation, at 34. BI-MU.

The focus of the initiative, sponsored by AITA-ITALIAN ASSOCIATION OF ADDITIVE TECHNOLOGIES, is the international offering of machines, materials, software, products, solutions for testing and post-processing, software and services related to additive manufacturing, whose presence is increasingly

widespread in all the main manufacturing sectors: from aerospace to automotive, from mechanical engineering to construction and biomedical industries.

The key players of the area are manufacturers and users of additive technologies, service centres, universities and representatives of the research and academic fields.

The **piùAdditive** area will be enlivened by various initiatives **and will host the stand of AITA-ITALIAN ASSOCIATION OF ADDITIVE TECHNOLOGIES**, the meeting point for all players in the sector, who will also be able to follow **speeches and attend events** there, **organised by companies, universities and research centres**.

These include the **AITA 10-year Anniversary Conference**, on Wednesday, 9 October at 2.30 p.m., which will be opened by president Luigi Galdabini and will propose **two roundtables**, respectively focusing on the **industrial and academic dimensions** of the additive theme. A speech by **CECIMO** (European Association of Manufacturing Technology) will close the event, highlighting how the **policies of the European Commission** on advanced manufacturing and sustainability relate to the world of additive technologies.

On Friday, 11 October at 10.00 a.m., a meeting on **Additive Manufacturing for the Biomedical Sector** will illustrate the numerous advantages of using this technology in clinical practice, where, however, integration is still rather limited due to complex regulations, high costs and the need for specific skills throughout the entire production process.

During the conference, concrete cases will be described regarding applications to **orthotics** (creation of external medical devices used to support, correct or assist the movement of a body part) and **veterinary surgery**.

Finally, on Saturday, 12 October, at 10 a.m., back on the agenda is the traditional **roundtable of 'Women in 3D printing'**, the international association committed to promoting a more inclusive know-how within the STEM market and additive manufacturing.

## **BI-MU Digital**

An exhibition area dedicated to illustrating the potential of the digital factory and the opportunities of machinery interconnection is **BI-MU Digital**. It will host the main players from the world of software, ICT, sensors and, in general, of the technologies for connectivity and data security management, capable of enabling the 4.0 transformation of factories.

In the spotlight are the major players of the ICT world and developers of customised solutions. On display are solutions for enabling the digitalisation of factories and sustainable production according to ESG and green manufacturing criteria, data-driven services, such as digital twin, remote assistance systems and predictive maintenance.

Of particular interest in relation to digital transformation will be the event hosted in the BI-MU più Arena, taking place on 10 October, **"DataSpace: Innovation, Efficiency and Value for Manufacturing Companies"**. The meeting will also be an opportunity to illustrate the results of the **"MACHINERY-X"** project by UCIMU, together with the network of enterprises that will continue its development. The aim is to promote secure and innovative data management in the manufacturing sector.

The programme includes an in-depth analysis on the legal aspects related to data ownership, with a focus on the **European Data Act** and a presentation of the concept of **dataspace**. MACHINERY-X – which intends to represent the "machine tool dataspace" – aims to facilitate secure data sharing among

manufacturing enterprises, promoting **predictive maintenance** and the development of **advanced customised services**. It also aims to improve **interoperability** between different systems and machines. The project is fully in line with European regulations on the processing of non-personal data, as well as with the paradigms defined by IDSA (International Data Spaces Association) and it is intended to strengthen the competitiveness of companies in the global market. The event will close with a **call to action** for the enterprises interested in joining the MACHINERY X network, opening the way to new opportunities of innovation, sustainability and technological development.

## **Power4Machines**

The area sponsored by FEDERTEC, the Italian Federation of mechatronic technologies and components for fluid power and power transmission, will host the product offerings from the industry of transmission parts, which is by nature complementary to that of machine tools and with which it shares technological evolution and user sectors.

## **Metrology & Testing**

The theme of metrology and control relates to technologies, products, processes and solutions developed to guarantee production quality, which is today an essential element for the offering of production systems that have in the continuous development of innovation - of product and process - one of the crucial issues to win the challenge of competitiveness. On display: measuring instruments, testing machines, machine vision, non-destructive testing equipment, quality control and certification services.

The key players are manufacturers and suppliers of technologies, services, processes and solutions developed to guarantee production quality, an essential requirement in the product offering of the sector.

## **Heat and Surface Treatments**

Machines, plants and systems for surface finishing and treatment: washing, painting, galvanising, mechanical, chemical and electrochemical processes, metallizing and nanotechnology treatments. Machines and systems for heat treatments, such as industrial furnaces, quenching and heating, surface strengthening systems.

## **The Composites**

Strong, light, elastic and increasingly sustainable, composite materials have recently become widely used in the manufacturing industry, as they are able to exploit the potential of the latest machines in the best way.

With The Composites, sponsored by Assocompositi (Italian Industry Association for composite materials), BI-MU proposes a first overview of a world with application in sectors directly related to machine tools, from aerospace to biomedical and racing (to mention those requiring superlative performances) through to textiles, construction and automotive industries (among the more traditional ones), which increasingly privilege highly resistant, light-weight materials.

## **Consulting & Certification**

The protagonists of the area are consulting and certification firms able to offer strategic analysis and operational support to manufacturing companies engaged in innovation and internationalisation processes. Particular emphasis is given to consulting services with regard to digitalisation, cybersecurity and cybersafety, sustainability and the environment; lease services, financing, easy-term loans, exports.

## BI-MUpiù

Now an integral part of the machine tool biennial exhibition, for this edition, the **BI-MUpiù** arena (**Hall 11 F26**) will offer a full programme of meetings by organisers and exhibitors, accompanying the event throughout its duration.



During the four exhibition days, more than **60 meetings** are **scheduled**, which can be attended both in person and remotely, thanks to the **live streaming** service activated on **bimu.it**.

As usual, the **meetings** are organised by **theme**: Machine Tools and Mechanical Technology, ICT and Digital Technologies, Metrology and Quality, Robotics.

On Wednesday, 9 October, the arena will host the Opening Ceremony of BI-MU. In the afternoon, the exhibitors' speeches will start.

The morning of Thursday, 10 October will be dedicated to enabling technologies and will propose the presentation of the results regarding **DataSpace**, the pilot project by UCIMU.

The afternoon of Thursday, 10 October will be focused on machine tools and metrology.

Friday, 11 October will be entirely dedicated to robotics. In the morning, three meetings will take place, organised by the top representatives of this world: IFR, SIRI, UCIMU, I-RIM and AlxIA.

On Saturday 12 October, after the award ceremony of ROBOTGAMES, the new automation and robotics contest for high school students, the morning will be dedicated again to machine tools, whereas, in the afternoon, the arena will host the traditional award ceremonies of “Masters of Mechanics” and UCIMU Prizes.

**Promoted by UCIMU Foundation, the initiative is carried out with the contribution of the Lombardy Region, the sponsorship of Banca Generali and the patronage of TM.**

**The calendar of events at BI-MUpiù and at piùAdditive is available in the following pages. Any updates are available directly on bimu.it, in the page of events.**

# CALENDARIO Calendar



**11** PAD/HALL  
AREA F26

**ORE**  
**Hours**

**09**  
MERCOLEDI  
Wednesday

**10**  
GIOVEDÌ  
Thursday

**11**  
VENERDÌ  
Friday

**12**  
SABATO  
Saturday

ORE Hours	09	10	11	12	
10.00 - 10.15		PASSEPARTOUT			
10.20 - 10.35		HOLONIX	<b>CONVEGNO PRESENTAZIONE DATI ROBOTICA SIRI-IFR-UCIMU</b>		
10.40 - 10.55		BALLUFF		TEBIS ITALIA	
11.00 - 11.15		HILTI		RECODI TECHNOLOGY	
11.20 - 11.35		SANMARCO INFORMATICA		MOVIMAT	
11.40 - 11.55		PROBEST		OMCR	
12.00 - 12.15	<b>CERIMONIA INAUGURALE (10.30)</b>	<b>DATA SPACE:</b> Innovazione, efficienza e valore per le aziende manifatturiere	<b>TAVOLA ROTONDA: I TREND TECNOLOGICI DEL FUTURO IFR-I-RIM-SIRI-UCIMU</b>	TEOMA	
12.20 - 12.35			<b>IA E ROBOTICA: VERSO UN'INTEGRAZIONE SINERGICA AIRO - AIXIA - SIRI</b>	SOLARELIT	
12.40 - 12.55		RETUNER			
13.00 - 13.15		ZERYNTH		/	
13.20 - 13.35		SANMARCO INFORMATICA	SCUOLA SANT'ANNA	/	
13.40 - 13.55		ALA	ASSISTEC	/	
14.00 - 14.15		ASSILEA	ITALFINANCE	ABB	
14.20 - 14.35		SIEMENS	CHIMAR	UNIVERSAL ROBOTS	
14.40 - 14.55		MARPOSS	PROBEST	KUKA	
15.00 - 15.15		FANUC	SIEMENS	TECNOROBOT	
15.20 - 15.35		GERARDI	COMAU	/	
15.40 - 15.55	<b>CONVEGNO FEDERTEC</b>	HIWIN	ROBOTECO	/	
16.00 - 16.15		GROB	GUIDETTI TECHNOLOGY	/	
16.20 - 16.35		FIDIA	WENGLOR	/	
16.40 - 16.55	<b>CONVEGNO ASSOCOMPOSITI  Tecnologie avanzate e automazione per il settore dei materiali compositi</b>	BDF DIGITAL	STAR AUTOMATION	/	
17.00 - 17.15		COSEMA TRADING	ELETTROCABLAGGI	/	
17.20 - 17.35		POLYWORKS EUROPA	POLYTEC	/	
17.40 - 17.55		TORNOS			

- Macchine utensili e tecnologia meccanica / Machine tools and manufacturing system
- Tecnologie ICT e Digital / ICT and Digital technology
- Metrologia e Qualità / Metrology and quality
- Robotica / Robotics

\*aggiornato al 4 settembre 2024/ updated to 4 September 2024





# CALENDARIO Calendar

+ADDITIVE / AITA

**15** PAD/HALL  
AREA F40

**ORE**  
**Hours**

**09**  
MERCOLEDI  
Wednesday

**10**  
GIOVEDÌ  
Thursday

**11**  
VENERDÌ  
Friday

**12**  
SABATO  
Saturday

10.00 - 10.15				
10.15 - 10.30		EOS		
10.30 - 10.45		3D4MEC		
10.45 - 11.00		RENISHAW		
11.00 - 11.15		RIDIX	CONVEGNO BIOMEDICALE	Tavola rotonda WOMEN IN 3D PRINTING
11.30 - 11.45		SIEMENS		
11.45 - 12.00		ADDITIVE ITALIA		
12.00 - 12.15				
12.15 - 12.30				
12.30 - 14.00	Pausa pranzo	Pausa pranzo	Pausa pranzo	Pausa pranzo
14.00 - 14.15				
14.15 - 14.30				
14.30 - 14.45	EVENTO "10 ANNI DI AITA": PRESENTE E FUTURO DELL'ADDITIVE MANUFACTURING	3DZ		
14.45 - 15.00		PIAB	POLITECNICO DI TORINO	
15.00 - 15.15			POLITECNICO DI MILANO	
15.15 - 15.30		KM ROSSO		
15.30 - 15.45				
15.45 - 16.00				
16.00 - 16.15				
16.15 - 16.30				

\*aggiornato al 4 settembre 2024 / updated to 4 September 2024

## **THE EVENTS BY THE ORGANISERS**

### **OPENING CEREMONY**

#### **WEDNESDAY, 9 OCTOBER, AT 10.30 A.M., BI-MUpiù ARENA**

Organised by UCIMU-SISTEMI PER PRODURRE. Speakers: **Enrico Pazzali**, president of Fondazione Fiera Milano; **Guido Guidesi**, councillor for Economic Development, Lombardy Region; **Riccardo Rosa**, president of UCIMU-SISTEMI PER PRODURRE; **Andrea Ragaini**, deputy general manager of Banca Generali (TBC); **Matteo Zoppas**, president of ICE-Italian Trade Agency (TBC); **Federico Faggin**, physicist and inventor of the microprocessor. Moderator and interviewer: **Simone Spetia**, Radio 24.

### **TEN YEARS OF AITA: PRESENT AND FUTURE OF ADDITIVE MANUFACTURING**

#### **WEDNESDAY, 9 OCTOBER, AT 2.30 P.M., AITA STAND**

Organised by AITA-ITALIAN ASSOCIATION OF ADDITIVE TECHNOLOGIES. Among the speakers: **Luigi Galdabini**, president of AITA. Updated programme on [www.aita3d.it](http://www.aita3d.it).

### **THE MEETINGS OF IFR FOR ITS ASSOCIATE MEMBERS**

#### **THURSDAY, 10 OCTOBER, AT 10 A.M., LEM 4**

Organised by IFR, International Federation of Robotics.

IFR will welcome all its members for a day of in-depth meetings (4 meetings) and its annual assembly, all events reserved for the associate members of the international organisation.

### **DATASPACE: INNOVATION, EFFICIENCY AND VALUE FOR MANUFACTURING COMPANIES**

#### **THURSDAY, 10 OCTOBER AT 12.00 NOON, BI-MUpiù ARENA**

Organised by UCIMU-SISTEMI PER PRODURRE. Speakers: **Elena Bertolin**, expert from Partners4Innovation; **Giulia Giussani**, representative of the International Data Spaces Association (IDSA); **Jacopo Cassina**, IDSA ambassador and member of the UCIMU Dataspace Committee.

### **THE FINAL OF THE ROBOTGAMES CONTEST**

#### **FRIDAY, 11 OCTOBER, AT 10 A.M., ROBOTGAMES AREA**

Organised by UCIMU-SISTEMI PER PRODURRE, with the patronage of UCIMU Foundation and the support of Fondazione Fiera Milano.

### **ADDITIVE MANUFACTURING FOR THE BIOMEDICAL SECTOR**

#### **FRIDAY, 11 OCTOBER, AT 10 A.M., AITA STAND**

Organised by AITA-ITALIAN ASSOCIATION OF ADDITIVE TECHNOLOGIES. Updated programme on [www.aita3d.it](http://www.aita3d.it)

### **EXECUTIVE ROUNDTABLE - ROBOTICS MARKET EVOLUTION: GLOBAL TRENDS AND EUROPEAN PERSPECTIVES**

#### **FRIDAY, 11 OCTOBER, AT 10 A.M., BI-MUpiù ARENA**

Organised by IFR, International Federation of Robotics, with the participation of SIRI, Italian Robotics and Automation Association and UCIMU-SISTEMI PER PRODURRE.

Representatives of the leading organisations of the sector and experts in the field will discuss the future of robotics markets: developments and trends for 2024 and later. The global market scenario will be examined, with a special focus on the European and Italian contexts.

**The event will be held in English.**

### **ROUNDTABLE: THE TECHNOLOGICAL TRENDS OF THE FUTURE**

#### **FRIDAY, 11 OCTOBER, AT 11.30 A.M., BI-MUpiù ARENA**

Organised by IFR, with the participation of I-RIM, Italian Institute of Robotics and Intelligent Machines, SIRI and UCIMU-SISTEMI PER PRODURRE.

IFR and the international community that operates in the robotics field have identified the most significant technological trends for the near future: Artificial Intelligence; New Applications of Cobots;

Mobile Manipulators; Digital Twins; Humanoids. Leading international representatives from the academic and industrial fields will discuss and exchange views at the roundtable.

**The event will be held in English.**

### **ARTIFICIAL INTELLIGENCE AND ROBOTICS: TOWARDS SYNERGISTIC INTEGRATION**

**FRIDAY, 11 OCTOBER, AT 12.40 P.M., BI-MUpiù ARENA**

Organisation promoted by the Working Group in AI and Robotics (AIRO) of AlxIA, Italian Association for Artificial Intelligence, in cooperation with SIRI, Italian Robotics and Automation Association, with the patronage of FAIR – Future Artificial Intelligence Research.

### **ROBOTICS IN ITALY: MARKET CHALLENGES AND RESEARCH OPPORTUNITIES. ROBOTPITCHES.**

**FRIDAY, 11 OCTOBER, AT 2.00 P.M., LEM 3**

Organised by I-RIM, with the patronage of UCIMU FOUNDATION and SIRI.

### **AWARD CEREMONY OF ROBOTGAMES**

**SATURDAY, 12 OCTOBER, AT 10.00 A.M., BI-MUpiù ARENA**

Organised by UCIMU-SISTEMI PER PRODURRE. The three winning teams of the first ROBOTGAMES contest will be awarded in the presence of their classmates and teachers, the institutions and the invited operators of the sector. Speakers: **Simona Tironi**, councillor for Education, Training and Labour, Lombardy Region (TBC); **Riccardo Rosa**, president of UCIMU-SISTEMI PER PRODURRE, **Alfredo Mariotti**, general manager of UCIMU-SISTEMI PER PRODURRE.

### **WOMEN IN 3D PRINTING**

**SATURDAY, 12 OCTOBER, AT 10 A.M., AITA STAND**

Organised by AITA-ITALIAN ASSOCIATION OF ADDITIVE TECHNOLOGIES. Updated programme on [www.aita3d.it](http://www.aita3d.it).

### **UCIMU PRIZES**

**SATURDAY, 12 OCTOBER, AT 2 P.M, BI-MUpiù ARENA**

Organised by UCIMU-SISTEMI PER PRODURRE. Promoted by UCIMU FOUNDATION.

Speakers: **Riccardo Rosa**, president of UCIMU-SISTEMI PER PRODURRE; **Alfredo Mariotti**, general manager of UCIMU-SISTEMI PER PRODURRE.

### **“MASTER OF MECHANICS” AWARD**

**SATURDAY, 12 OCTOBER, AT 3 P.M, BI-MUpiù ARENA**

Organised by UCIMU-SISTEMI PER PRODURRE. Promoted by UCIMU FOUNDATION, with the support of Tecnologie Meccaniche. Speakers: **Riccardo Rosa**, president of UCIMU-SISTEMI PER PRODURRE and **Alfredo Mariotti**, general manager of UCIMU-SISTEMI PER PRODURRE.

## EDUCATION & JOB

At 34. BI-MU, students and schools are welcome. For this 34th edition, full of interesting initiatives for students - many of them new - BI-MU opens its doors to visiting schools **throughout the four days of the event**.

Starting this year, the event welcomes students not only from high schools, but **also from lower secondary schools**, with the aim of presenting the sector and arousing the curiosity of young pupils at a crucial time when they are deciding on the educational path to take after “compulsory schooling”.

**Visits of students accompanied by teachers can be free or guided.** In any case, booking is mandatory, in order to organise participation evenly throughout the exhibition. **The approximately 5,000 expected students** will be able to take a close look at the technologies on display at 34.BI-MU, exchange ideas with sector professionals and have a lot of interesting insights for their school careers and future employment.

The access point for visiting the trade show is **ROBOTGAMES (Hall 13 stand A02)**, a large open area within the RobotHeart space, which will be liven up by initiatives specifically dedicated to young students, professionals interested in ad hoc training and education courses, as well as to talents and people interested in evaluating job opportunities offered by the manufacturing sector.

### UCIMU Academy

The ROBOTGAMES space will host the stand of **UCIMU Academy**, a project that brings together all the activities promoted by UCIMU-SISTEMI PER PRODURRE, through the UCIMU Foundation, with the aim of bringing young people closer to the machine tool sector and encouraging the dialogue between the world of education and companies in the sector: UCIMU PRIZES for degree theses, the new ROBOTGAMES contest, organisation of school visits, trade fairs promoted by UCIMU, visits to factories of the sector, cooperation with high schools for the presentation of the field, cooperation with ITSs (Higher Technical Institutes), with the aim of better targeting training and education courses on technical subjects, so that they can be more in line with the needs of companies.



At BI-MU, UCIMU Academy is in charge of organising school visits. In addition to free visits, several guided tours are scheduled for three days (Wednesday, Thursday and Friday) to observe the technologies exhibited at the stands. Guided tours are entrusted to **55 young tutors from ASLAM**, a training organisation for professional technical courses and ITSs, based in Samarate, Varese.

### ECOLE

ECOLE – Lombardy CONfindustrial Entities for Education, a company regrouping seven associations in the Italian Industrial System Confederation (Confindustria), among which UCIMU-SISTEMI PER PRODURRE. ECOLE presents a wide range of training & education and consulting services in its stand, in the ROBOTGAMES area.



### RANDSTAD

For the first time, thanks to the agreement signed with **Randstad Italia**, a leading talent company in HR services, 34.BI-MU offers a **service matching job demand and supply**, thus encouraging contact between exhibiting companies, talents at their first work experience and professionals interested in new collaboration proposals.

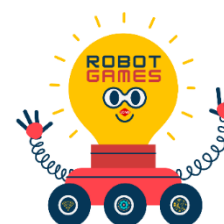
Through the exhibition website, bimu.it, exhibiting companies and candidates were able to place their advertisements even before the opening of BI-MU. However, the hottest moment will be at the trade show, when at the **Randstad Italia Corner**, set up in the Robotgames area, it will be possible to receive

all useful information, both from talents and companies, in response to the needs of a sector that offers interesting employment and professional growth opportunities, for technical as well as managerial profiles.

**Randstad Italia** will also be present at the exhibition to provide students and candidates with job orientation and gamified light self-assessment activities, with the aim of bringing talents and companies closer together.

## ROBOTGAMES

The area will be the stage for **the final of ROBOTGAMES**, the new contest created to stimulate young people to try their hand at building robotic automation prototypes, with application to the world of industry. Promoted by UCIMU Academy and sponsored by UCIMU Foundation, the contest is organised by EFIM-ENTE FIERE ITALIANE MACCHINE, with the support of Fondazione Fiera Milano.



The finalist teams belong to **8 institutes distributed throughout Italy**, from north to south: Centro di Formazione Professionale ENAIP (Villazzano, TN), Fondazione Casa di Carità Arti e Mestieri (Ovada, AL), IIS Gae Aulenti (Biella), IIS Luigi Galvani (Milano), IIS Gasparrini Righetti (Melfi, PZ), IISS Volta De Gemmis (Bitonto BA), ISIS Cipriano Facchinetti (Castellanza, VA), ISIS Isaac Newton (Varese) are the schools involved in the ROBOTGAMES project.

Here are the finalist projects, teams and institutes:

- **Assembly of Mechanical Parts using an Anthropomorphic Robot, 4TPG 23-24** – Centro di Formazione Professionale ENAIP (Villazzano, TN)
- **GrindWoodPro, The Blacksmiths** - Fondazione Casa di Carità Arti e Mestieri (Ovada, AL)
- **My Friend Laser, Team Gae** - IIS Gae Aulenti (Biella)
- **Automated Intelligent Platforms, CyberTitans** - IIS Luigi Galvani (Milano)
- **R.A.C. – RobArduCar, Righetti Automation** - IIS Gasparrini - Righetti (Melfi, PZ)
- **PalletBot, RoboticWay** -IISS Volta De Gemmis (Bitonto, BA)
- **T1NX, Team T1NX** - ISIS Cipriano Facchinetti (Castellanza, VA)
- **CromoTransporter, Team Newton**, ISIS Isaac Newton (Varese)

**The final of the contest will engage the teams throughout the day, on Friday, 11 October.** Each school will be able to work on the setting-up and preparation of its own “project” in the morning, within the ROBOTGAMES space, visited by BI-MU operators and school groups that have accredited themselves for the access to the exhibition. In the afternoon, starting at 2 p.m., the teams will present their works to the Selection Committee, which will choose the three winners. **The prizes worth a total of € 20,000**, made available by EFIM-ENTE FIERE ITALIANE MACCHINE, will be shared among **the top three teams**. The special prize-giving ceremony will take place on Saturday, 12 October, in the BI-MU più Arena at 34.BI-MU.

Content of the contest, interviews with the young protagonists directly at the schools, live highlights of the final will be narrated **by Greta Galli, @gretagalli\_tech**, technology content creator with over 100,000 followers on Instagram, who supported the project and will liven up the final phase of the contest.

## THE INVITED FOREIGN DELEGATIONS AND THE START-UP AREA

34.BI-MU is the scene of the traditional initiative concerning the invitation of foreign delegations, organised by UCIMU-SISTEMI PER PRODURRE, in cooperation with the Ministry of Foreign Affairs and International Cooperation and ICE-Italian Trade Agency, which, for this edition of the biennial exhibition, has also supported the participation of start-ups that are in the spotlight of the **Start-Up Area**. Set up in **Hall 9**, this exhibition area features the solutions of about ten innovative start-ups and SMEs.



Overall, **about eighty users and journalists have been invited** to take part in this initiative, conceived to encourage direct contact between qualified manufacturers and end users, coming from Bosnia-Herzegovina, Brazil, Canada, China, Croatia, Egypt, France, India, Morocco, Mexico, Serbia, Thailand, Turkey, USA, Uzbekistan, Vietnam.

## THE UCIMU MARK

The **UCIMU Mark** plays a starring role at 34.BI-MU. Companies authorised to use the UCIMU Mark aim to put environmental, social and economic sustainability at the centre of their activities. A concrete commitment that is synthesized in the “Green and Blue Action”, a criterion for awarding the UCIMU Mark, which is granted to the member companies of UCIMU-SISTEMI PER PRODURRE that are able to prove company characteristics that no other certification scheme takes into account simultaneously.



The enterprises authorised to use the Green and Blue Action Mark are easily recognisable as they display the identifying banner at their stands.

The stand in **Hall 9 A32** is dedicated to these companies. In addition to giving details about the criteria for awarding the UCIMU Mark, the stand also provides information about association, associate member companies, opportunities and requirements for becoming a member of UCIMU-SISTEMI PER PRODURRE.

## THE SERVICES OF PROBEST FOR COMPANIES

PROBEST SERVICE offers qualified procurement, consulting and training services (**Hall 9 A07**).



The UCIMU group company is the exclusive agent for Italy for cast iron castings produced by SATURN, a foundry in Alba Iulia, Romania. Moreover, PROBEST SERVICE currently offers the best solutions for safeguarding company data from cyberattacks in an integrated way, as well as a specific consulting service for the Transition 5.0 plan, analysing the conditions and criteria that enable access to different tax credits according to the type of company.

It is a founding partner of ITALRENTAL (**Hall 9 A14**), an operating lease company for new and second-hand capital goods, active since October 2023. ITALRENTAL has also created the ‘USALO!’ tool, an innovative rental contract model, characterised by solutions designed to meet the needs of customers and suppliers in the machine tool sector.

## **GOLDEN CARD: MUCH MORE THAN A FREE ADMITTANCE CARD**

As usual, admittance to BI-MU is free of charge. The entry ticket is the Golden Card, which, in addition to the access to 34.BI-MU, offers **several discounts, special rates and concessions at affiliated hotels, restaurants and shops**, as listed on [www.golden-card.it](http://www.golden-card.it)

Thanks to recent agreements made by UCIMU-SISTEMI PER PRODURRE with leading institutional partners, Golden Card also offers services and concessions for business activities proposed by Confindustria and Confcommercio Milano, Lodi and Monza Brianza, of which many companies participating in the machine tool biennial as exhibitors and visitors are associate members.



## THE ITALIAN MACHINE TOOL MANUFACTURING INDUSTRY

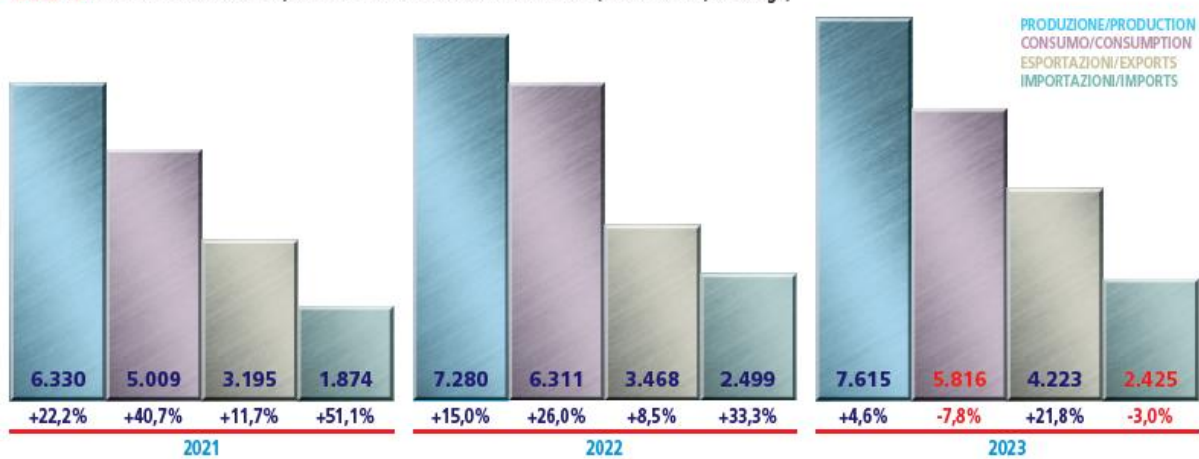
In 2023, the Italian **production** of machine tools, robots and automation systems stood at **7,615 million euro**, recording a 4.6% increase over 2022.

**Consumption** fell by 7.8% to **5,816 million euro**, due to the contraction of domestic deliveries (-11%, 3,392 million euro) and of imports (-3%, 2,425 million euro).

The market share covered by foreign machinery accounted for 41.7%. Exports grew to 4,223 million euro in 2023, i.e. 21.8% more than in the previous year. The export/production ratio went up from 47.6% in 2022 to 55.5% in 2023.

The trade balance increased by 85.6%, attaining 1,799 million euro. The utilisation rate of production capacity was still high, whereas its annual average decreased moderately from 86.6% in 2022 to 86.2% in 2023. The order portfolio also went down slightly, standing at 7.3 months of guaranteed production compared to 8 months in the previous year. Machine prices rose by 4.4% versus a year earlier.

TAV. 15. INDUSTRIA ITALIANA DELLA MACCHINA UTENSILE, DEL ROBOT E DELL'AUTOMAZIONE (milioni di euro, variazione%)  
TABLE 15. ITALIAN MACHINE TOOL, ROBOT AND AUTOMATION INDUSTRY (million euros, %change)



### INDUSTRIA ITALIANA MACCHINA UTENSILE, ROBOT E AUTOMAZIONE ITALIAN MACHINE TOOL, ROBOT AND AUTOMATION INDUSTRY

	milioni di euro/ million euros			Δ% in termini correnti/ Δ% in current terms			Δ% in termini reali/ Δ% in real terms		
	2021	2022	2023	2021	2022	2023	2021	2022	2023
PRODUZIONE/PRODUCTION	6.330	7.280	7.615	22,2	15,0	4,6	20,0	9,2	0,8
ESPORTAZIONI/EXPORTS	3.195	3.468	4.223	11,7	8,5	21,8	9,7	3,1	17,3
CONSEGNE SUL MERCATO INTERNO/DELIVERIES ON THE DOMESTIC MARKET	3.135	3.812	3.392	35,1	21,6	-11,0	32,7	15,5	-14,3
IMPORTAZIONI/IMPORTS	1.874	2.499	2.425	51,1	33,3	-3,0	48,4	26,6	-6,5
CONSUMO/CONSUMPTION	5.009	6.311	5.816	40,7	26,0	-7,8	38,2	19,7	-11,2
SALDO COMMERCIALE/ TRADE BALANCE	1.321	969	1.799	-18,5	-26,6	85,6	-19,9	-30,3	78,8
<b>quota %/% share</b>									
IMPORT SU CONSUMO/ IMPORT ON CONSUMPTION	37,4	39,6	41,7						
EXPORT SU PRODUZIONE/ EXPORT ON PRODUCTION	50,5	47,6	55,5						
<b>numero/number</b>									
OCCUPAZIONE/EMPLOYMENT	34.150	35.060	35.060						



## THE WORLD MACHINE TOOL MANUFACTURING INDUSTRY

In 2023, after the positive results highlighted in the previous two years, **the world production of machine tools alone remained stable at 80,700 million euro (+0.4%)**. Asia contributed 54.3%, Europe 34.8% and the Americas 10.7% to the composition of the total value. A decade earlier, with global production amounting to 66,800 million euro, the Asian share had been 56.1% of the total, the European one had reached 35.7% and the American share had stood at only 8.1%.

With a 5.7% increase to 6.9 billion euro, **Italy ranked fifth in the production ranking, after China, Germany, Japan and the USA.**

**World exports grew by 6.2% to 45 billion euro.** Thanks to a 22.7% upturn, Italian exports achieved 3.9 billion euro, allowing **Italy to remain fourth in the ranking of exporting countries**, after Germany, Japan and China and ahead of South Korea.

**In 2023, world consumption decreased slightly (-1%), totalling 78 billion euro.** In Italy, consumption also dropped, by 7.6% to 4.8 billion euro. Despite the decrease, **Italy maintained its fourth place in the world ranking, after China, the United States and Germany.**