



**TRANSFORMING
THE METAL INDUSTRY**

THE LEADING MACHINE TOOL EVENT IN BARCELONA

A NEW VISION FOR THE INDUSTRY

The introduction of new technologies derived from Industry 4.0, such as automation, robotics, artificial intelligence, data analytics and connectivity solutions, has profoundly transformed the manufacturing sector. From production processes to management models, to the way we communicate, and even the way we train our workers.

Not only that, demanding sustainability targets, the impact of the supply chain in terms of CO2 emissions and stock-outs have put the relocation and reindustrialisation of manufacturing in Europe at the centre of the debate. In this context, increasing productivity through advanced and technological machinery has become an imperative for the entire metalworking industry.

Advanced Machine Tools comes back to Barcelona as the only trade platform focused on innovation, sustainability and digitalisation of the industry. A platform that will bring together more than 17,000 professionals eager to compare, experiment, learn, inform themselves and acquire those technological solutions that only the most innovative companies can offer them.

Advanced Machine Tools once again offers a business engine through which to drive equipment renewal and invest in state-of-the-art machine tools, a meeting point for machine tool suppliers, their ancillary industry and manufacturing professionals looking for innovative solutions in machine tools,

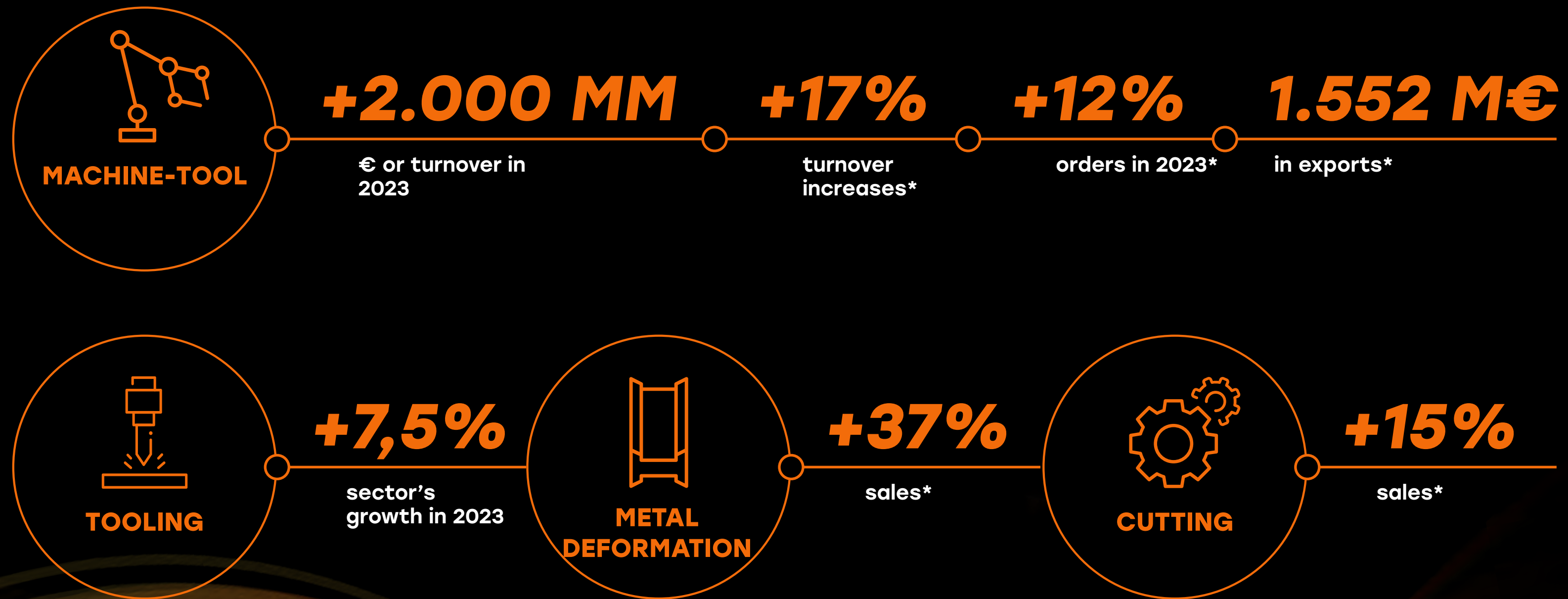
advanced equipment, machining solutions, new materials and production systems integration.

The manufacturing industry has demonstrated a great capacity to adapt to change in recent years. This resilience has enabled it to keep businesses afloat, secure supply and respond to market needs, despite the adversities and challenges arising from the current economic and social climate. Therefore, it is essential to adopt state-of-the-art machine tools, both for cutting and for deformation or removal, as well as to use the most innovative components and accessories from the ancillary industry to achieve maximum efficiency in production processes.

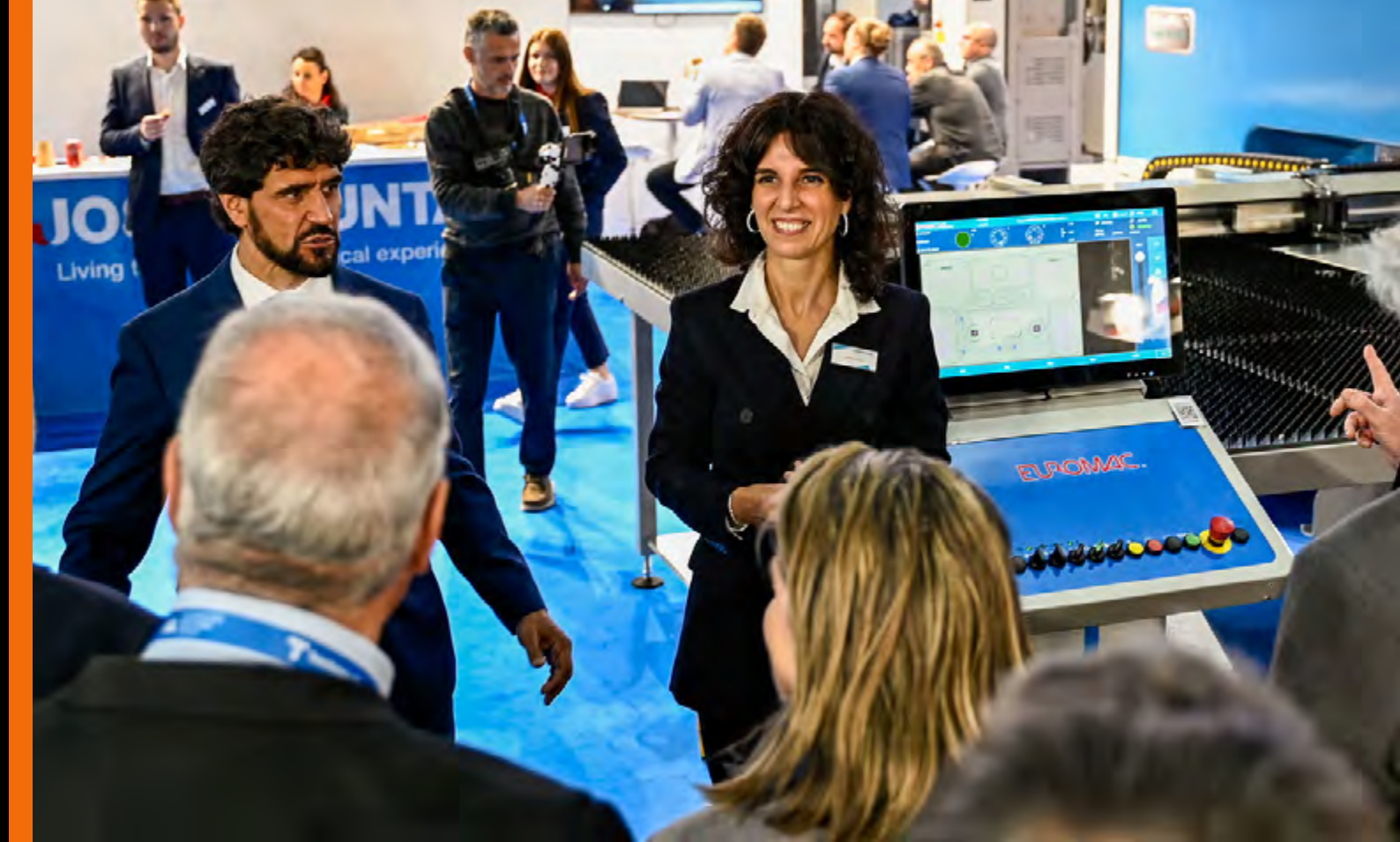
Advanced Machine Tools, held simultaneously with Advanced Factories, is the driving force behind this economic sector, offering the industrial sector a showcase for innovation, knowledge and technological transformation of more than 40,000 m2 of machine tools and advanced manufacturing solutions in the country during the odd-numbered years..



MACHINE-TOOL A GROWING INDUSTRY



* 2023 Data



MANUFACTURING PROFESSIONALS ARE LOOKING FOR AN INDUSTRIAL PARTNER AT **ADVANCED MACHINE TOOLS**



17.000

PROFESSIONAL VISITORS



90

SUPPORTING PARTNERS



450

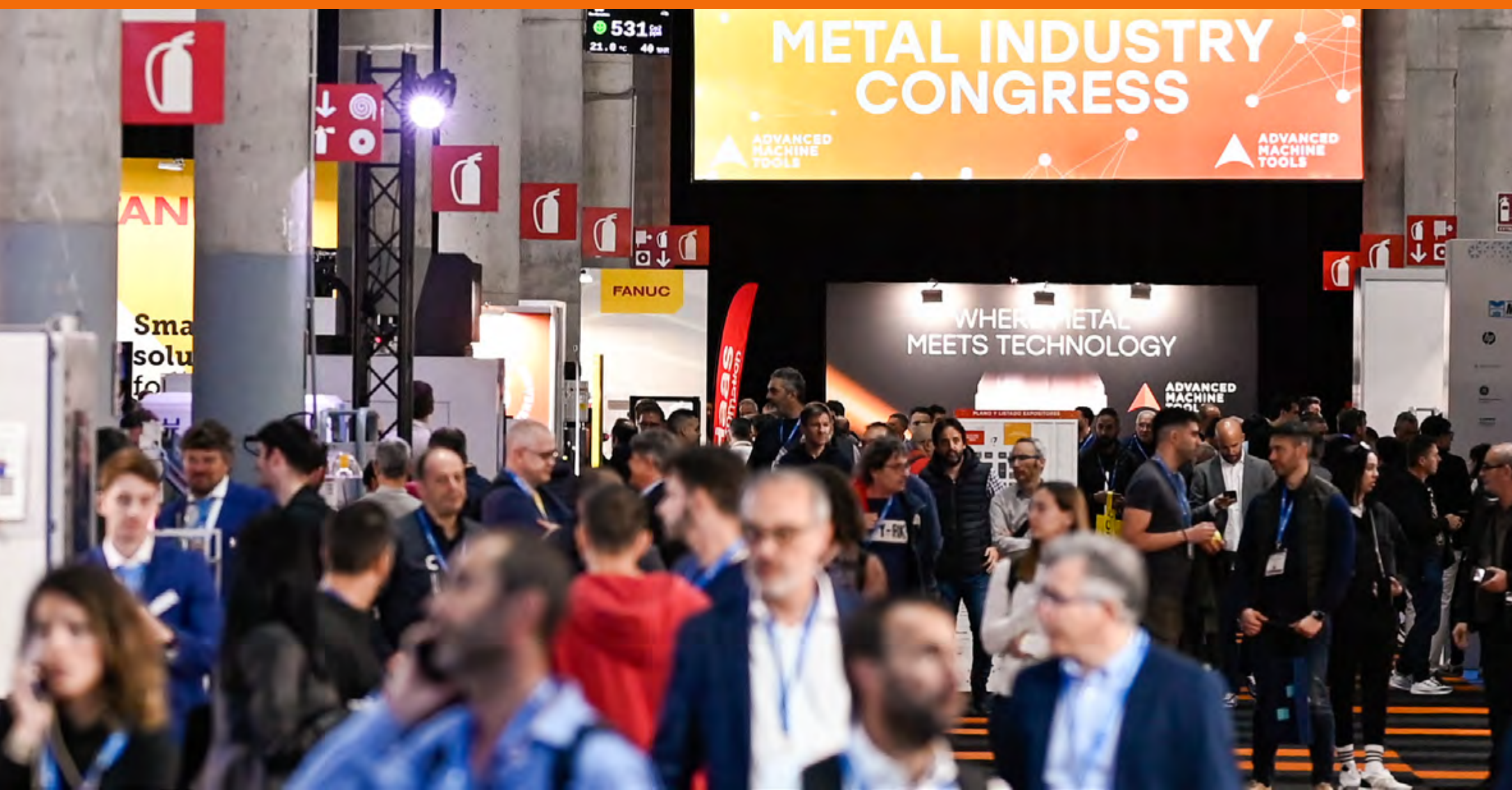
INNOVATIONS SHOWCASED



180

EXHIBITING BRANDS

WE BRING TOGETHER THE MAIN SECTORS OF THE INDUSTRY



VISITOR'S PROFILE

MACHINING



Die makers



Mold makers



Bar turners



Millers



Turners



Grinders



Polishers

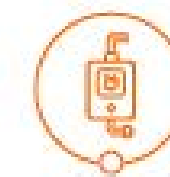
FORMING



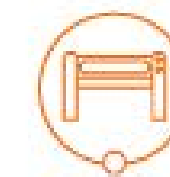
Stampers



Rolling mill operators



Boiler makers



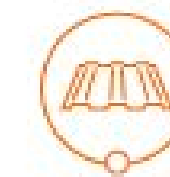
Sheet metal workers



Foundry workers



Forgers



Forming machine operators

DIGITALISATION AND INNOVATION AS A TOOL FOR COMPETITIVENESS



MACHINE-TOOLS

Cutting, forming, laser, drilling, machining, shaping, plasma, milling, shaping, plasma, milling, stamping, polishing, press, machining, turning, welding.



INSTRUMENTATION AND TOOLS

Cutting instrumentation, hand tools, portable tools, power tools, machine tools, lubrication, sealing, filtration, micro-technology, macro-assembly, high precision parts, filtration.



COMPONENTS & ACCESSORIES

Industrial plant management, mechanical, hydraulic, electrical and electronic accessories.



AUTOMATION & ROBOTICS

Control systems, PLC, assembly, industrial robots, cobots, micro-robots, peripherals and robotic integrators.



INTEGRATION OF PRODUCTION SYSTEMS

MES, ERP, and CHI interfaces, control systems, automation stations, sensorisation, RFID, ultrasonic systems



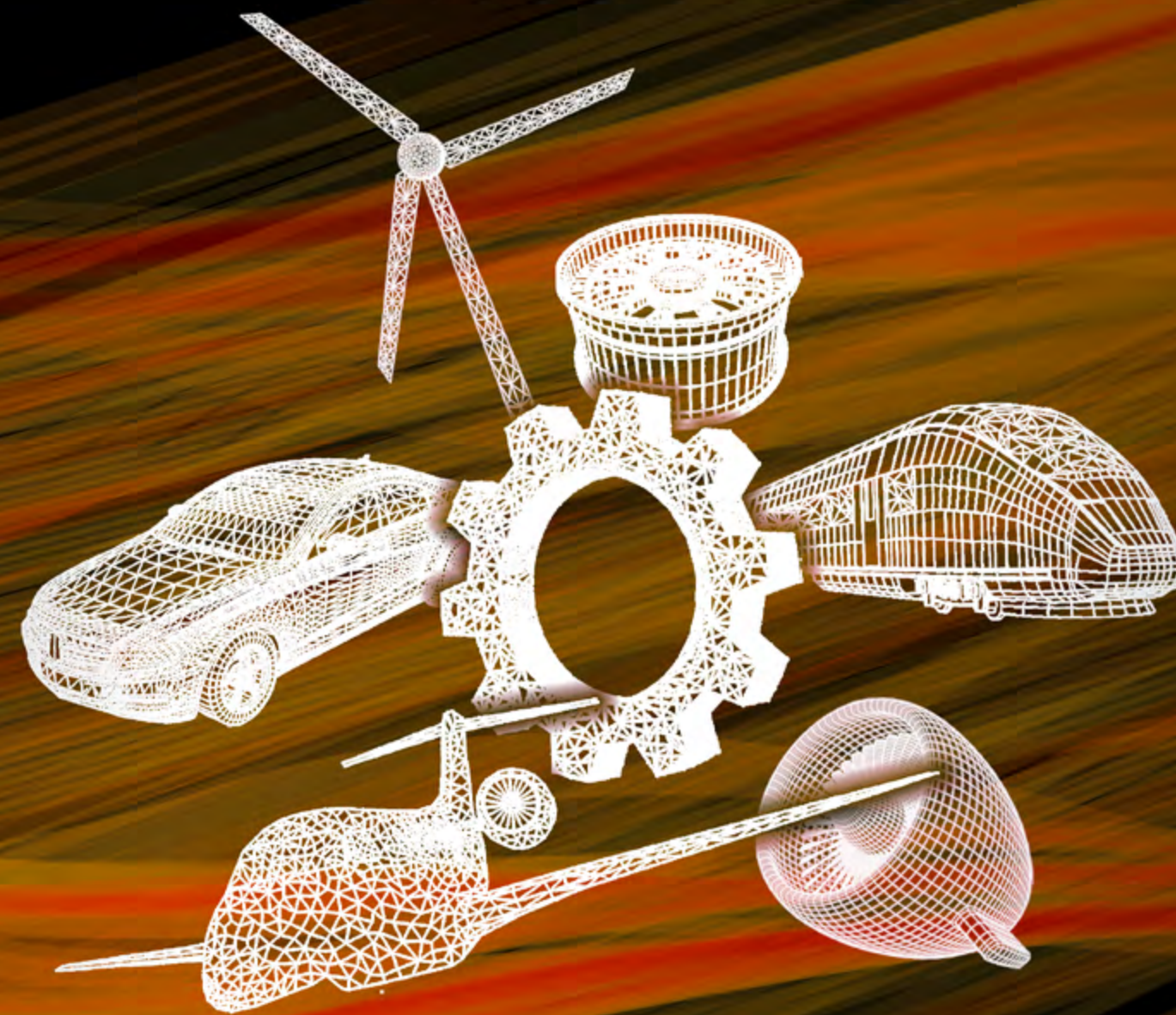
PREDICTIVE MAINTENANCE

Vibration monitoring and analysis, failure prevention, thermography, programming, supervision, PLM, systems engineering.



INTRALOGISTICS & TRANSPORT

Intelligent storage and palletising systems, positioning systems, autonomous ground vehicles, drones.



METROLOGY AND QUALITY CONTROL

Measuring technology, optical systems, integration of metrology into production lines and zero-defect manufacturing.



MATERIALS

Plastics, metal, steel, sheet metal, ceramics, composites, smart materials, circular economy, graphene, and heat treatments.



SURFACE TREATMENT

Plating, polishing, painting, galvanising, PVD, DLC, CVD, industrial furnaces, washing and surface preparation equipment, sealing, shot blasting, shot peening.



INDUSTRIAL SUPPLIES AND CONSUMABLES

Abrasives, adhesives and glues, seals and gaskets, filters, oils, drilling oils, soaps and degreasing, transport fluids.



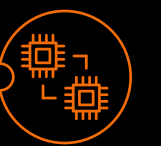
3D PRINTING

Prototyping, serial production, customisation, materials, topological optimisation, design, software, hardware, machinery, post-processing.



SOFTWARE

Design and simulation, CAD, CAD/CAM, CMMS, PLM, shop floor management, MOM, MES, ERP, digital twin, plant and process modelling, VR/AR, virtual commissioning.



SUSTAINABILITY

Energy efficiency, storage systems, industrial energy management and recovery, energy cycle, renewable energies, cogeneration.



METAL INDUSTRY 4.0 CONGRESS

Metal Industry 4.0 Congress is the largest congress in southern Europe where you can discover the latest trends for the metal sector. From smart manufacturing processes driven by new generation machine tools, automation, robotics, connectivity and artificial intelligence applied to equipment. From success stories in leading industries to the challenges facing each manufacturing sector and its market needs. Metal Industry 4.0 Congress is undoubtedly an unmissable event for professionals who want to boost their factories to the highest level of competitiveness and innovation.



2

AUDITORIUMS



120

SPEAKERS



+150

HOURS OF
KNOWLEDGE
TRANSFER



3

SIDE EVENTS



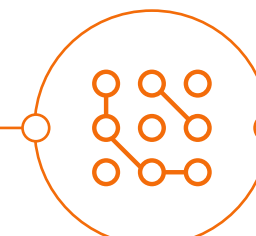
VERTICAL FORUMS



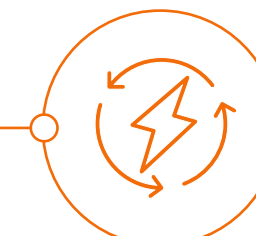
Metal &
Steel



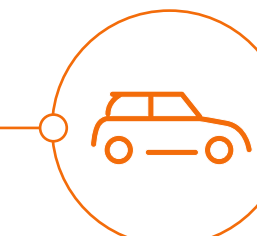
Aeronautics
& Naval



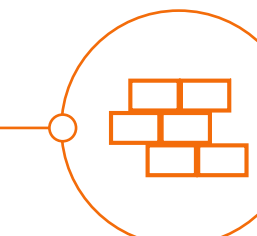
Electronics &
consumer goods



Energy



Automotive



Building &
Construction



Railway



Equipment &
production
assets

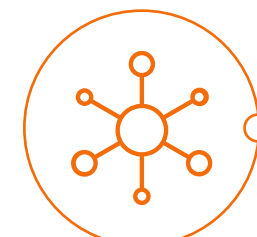
KEY TOPICS



ADVANCED
MANUFACTURING
& MATERIALS



TOOLS,
EQUIPMENT &
MATERIALS



CONNECTIVITY
& INTEGRATION
SYSTEMS



SUSTAINABILITY
& GREENTECH

MACHINE TOOL **IS BACK TO BARCELONA**

For three days, Barcelona becomes the capital of machine tool innovation. This is possible thanks to the city's unique, dynamic and welcoming environment, which invites innovation and business. Barcelona offers wonderful and modern infrastructures to its visitors, as well as a never-ending cultural and leisure agenda which, in combination with the business-generating events organised by **Advanced Factories** and **Advanced Machine Tools** will make this an extraordinary event.



**METAL INDUSTRY 4.0
CONGRESS**



**MACHINE-TOOL
DIGITAL DEMO AREA**



**FACTORIES OF THE FUTURE
AWARDS 2025**



**ADVANCED FACTORIES
CO-LOCATED EVENT**



**LEADERSHIP
SUMMIT**



**TEHC
GUIDED TOURS**



**PLANT MANAGER'S
SUMMIT**



3D PRINTING FORUM



**INDUSTRIAL
CYBERSECURITY FORUM**



**NATIONAL CONGRESS OF
INDUSTRIAL AREAS
MANAGERS**



**TALENT
MARKETPLACE**



**INNOVATION ON
AUTOMOTIVE CORNER**

THE REFERENCE PROFESSIONAL EVENT

With the possibility to participate as a Partner, Exhibitor or Newcomer, here are ten powerful reasons why you should include Advanced Machine Tools in your 2025 marketing plan:



Get new generation leads

Generate new relationships and collaborations

Showcase your most recent innovations to your audience, media and prescribers.

B2B meetings with decision-makers, an audience of executives that no other event provides.

Join and be protagonist of a qualified Network.

1

2

3

4

5

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7

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9

10

Position your brand.

Generate engagement and build loyalty

Regular communication impacts through our newsletter throughout the year.

Activate and/or accelerate the purchasing process.

Benefit from the transfer of innovation through challenges.



PARTNER

The best option to show your leadership in the sector and stand out from your competitors. Place your stand in the best area of the showroom, obtain maximum visibility, participate in the congress and invite your best customers and prospects among many other actions.



EXHIBITOR

Showcase your products and solutions in the exhibition area in front of thousands of potential buyers. Choose between the Premium area for the highest visitor traffic or the Business area if you are looking to adjust your investment



NEWCOMER

We know how hard it is to get started. That's why we offer you a turnkey package to be present at the most innovative event in the sector with a minimum investment.





**ADVANCED
MACHINE
TOOLS**



NETWORK



KNOWLEDGE



BUSINESS OPPORTUNITIES

**PERFORMING STUNNING EXHIBITIONS
FOR YOUR BUSINESS SUCCESS**



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