

PLA ST RANGE

MACHINES FOR PROCESSING
ADVANCED MATERIALS



 **BIESSE**

50 YEARS

 **BIESSEGROUP**

INNOVATION IS OUR DRIVING FORCE

BIESSE GROUP, A MULTINATIONAL COMPANY AND LEADER IN THE WOOD, GLASS, STONE AND METAL PROCESSING SECTORS, IS CONSOLIDATING ITS PRESENCE IN THE MACHINING OF ADVANCED MATERIALS THANKS TO CUSTOM MADE SOLUTIONS FOR A GROWING SECTOR.

Technology to create products for:

- ▣ packaging,
- ▣ visual communication (signs, prints, etc.),
- ▣ construction (coverings for indoors and outdoors, soundproofing, etc.),
- ▣ industries (filters, seals, etc.), machining solutions for expanded and compact plastics, cardboard and composite materials.

Plus technology developed for machining the more complex materials used in such sectors as:

- ▣ aviation,
- ▣ aerospace,
- ▣ automobiles,
- ▣ nautical,
- ▣ construction,
- ▣ railways,
- ▣ medicine.

MADE IN BIESSE

Biesse's cutting-edge technology meets the needs of operators who process plastic and composite materials with a full range of machining centres, beamsaws, water-jet cutting systems and sanders for machining operations of advanced materials.

MACHINING CENTRES



Rover Plast J FT



Rover Plast A SMART FT



Rover Plast A FT



Rover Plast B FT



Rover Plast M5



Materia CL



Materia LD



Materia FC



Materia MR



Materia XC

WATER JET CUTTING SYSTEMS



Primus Plast 202-322-324-326-402



Primus Plast 184

PANEL SAWS



Selco Plast SK4



Selco Plast WN6



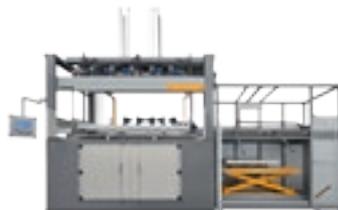
Selco Plast WN7

VERTICAL MACHINING CENTRES



Brema Plast Eko 2.1

THERMOFORMING



Terma

HANDLING



Winstore

SANDING



Viet Plast S211-S1-S2



Viet Plast Opera 5-7-R



Viet Plast Valeria



Viet Plast Narrow

MACHINING CENTRES ROVER PLAST

Rover Plast is a range of machining centres for artisans and medium to small industries which, thanks to innovative developments for the machining of advanced materials, has proven to be extremely reliable and competitive on the market.



Rover Plast J FT



Rover Plast A SMART FT



Rover Plast A FT



Rover Plast B FT



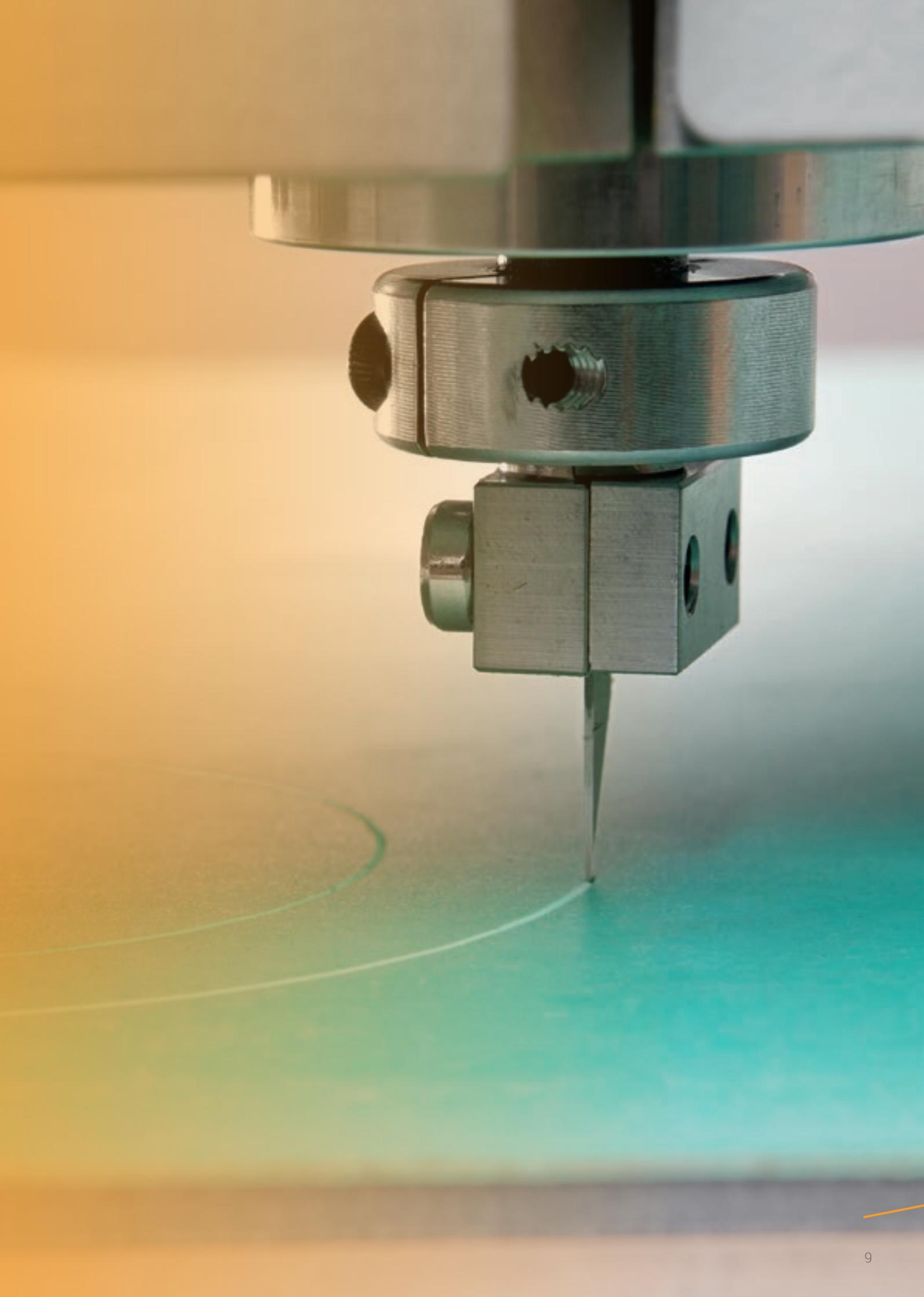
Rover Plast M5

TECH NOLO GY

PERFORMANCE WITHOUT LIMITS

The high technological content of the world's most popular machining centres meets the requirements of operators who process technological materials.

The only solution for performing milling and cutting operations on technological materials. The tangential/oscillating blade, coupled with a camera for reading print markers, supports the full processing of materials for the graphic arts industry. The precision and quality of Rover's technology support the perfect execution of all machining operations typical of a processing centre.



MACHINING CENTRES MATERIA

The new Materia range of machining centres, designed for the machining of thermoformed plastics, composites and aluminium, offers a vast selection of technologies for the processing of materials considered complex because of their shape, size or the type of material used.

Materia CL



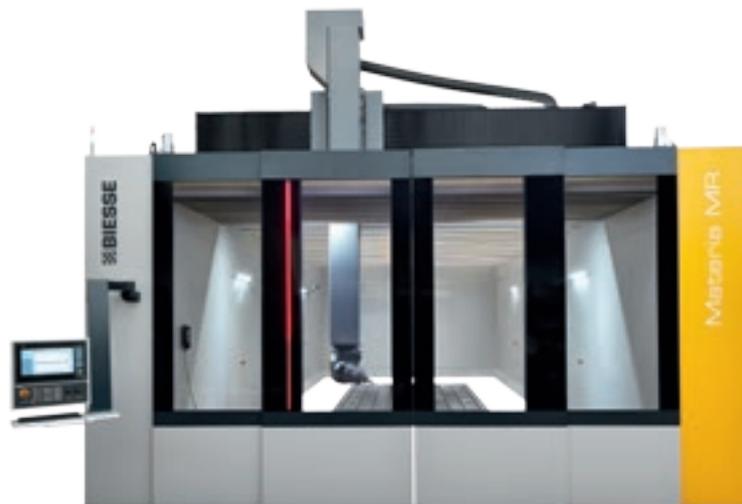
Materia LD



Materia FC



Materia MR



Materia Xc



MATERIA TECHNO LOGY

CREATIVE TECHNOLOGY

Versatility, precision and dynamism are the strengths of the Materia range. Numerical control processing centres that can handle very diverse composites and aluminum, guaranteeing precision and constant reliability.

High-quality and accurate electrospindles, numerous optional and standard systems (on the basis of the material being machined), two numerical control systems (Heidenhain TNC 640 or Siemens SINUMERIK 840D sl, particularly requested in the automotive sector), a robust structure and the perfect combination of speed and precision. A variety of models to match every production need.



WATER JET CUTTING SYSTEMS

Primus Plast is the new waterjet range designed to meet the needs of companies that desire maximum versatility. These machines can cut any type of material and easily adapt to any production setting.



Primus Plast 202-322-324-326-402



Primus Plast 184

PRIMUS TECHNO LOGY

THE POWER OF WATER

The high technological content of Primus water-jet cutting systems meets the requirements of operators who process technological materials.



PANEL SAWS

Selco Plast is a range of single line panel saws that can meet the widest ranging production needs. Solutions for producing single pieces, small quantities and medium-sized batches.

Selco Plast SK4



Selco Plast WN6



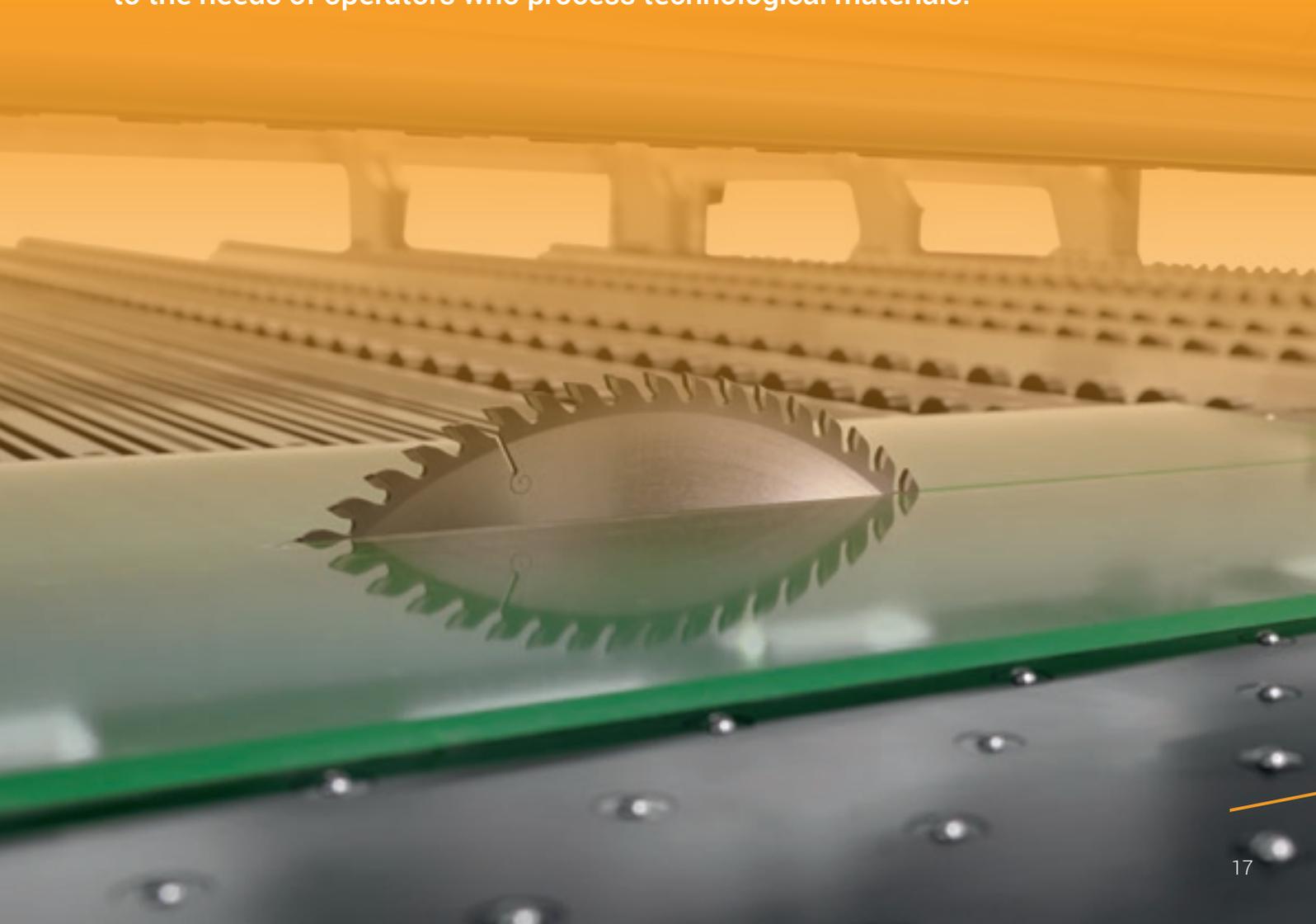
Selco Plast WN7



SELCO TECHNO LOGY

PRECISION CUTTING

Selco beam saws' cutting-edge technology responds to the needs of operators who process technological materials.



VERTICAL MACHINING CENTRES

Brema Plast is the patented range of compact, versatile vertical machining centres that can handle formats of varying size and thickness, advanced materials, plastics and composites.

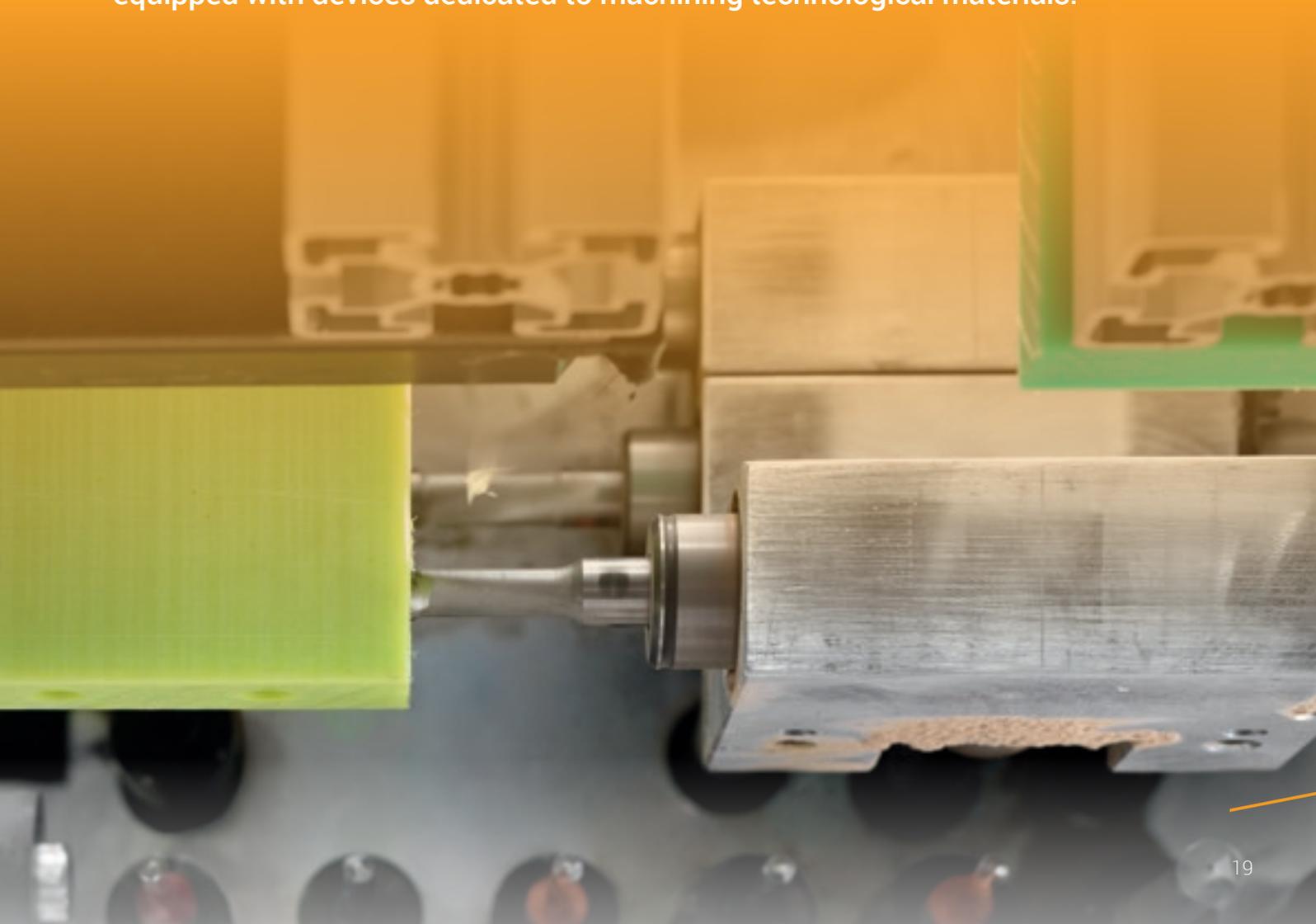


Brema Plast Eko 2.1

VERTICAL DRILL ING

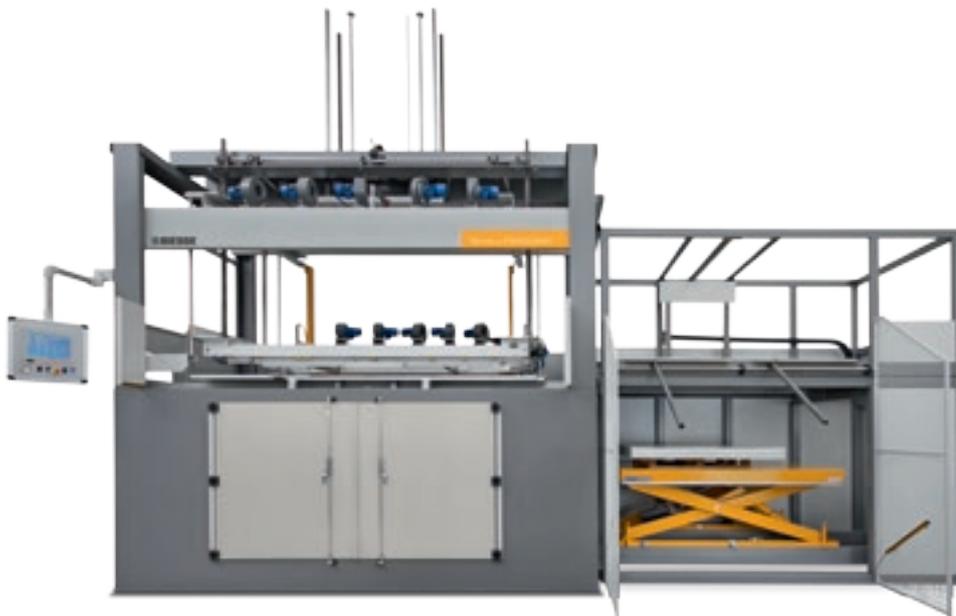
INCOMPARABLE SOLUTIONS

The only patented vertical alignment technology on the market,
equipped with devices dedicated to machining technological materials.



THERMOFORMER SINGLE STATION WITH AUTOMATIC SHEET LOADING AND UNLOADING

TERMA is the Biesse thermoformer conceived by Fraccaro. It's ideal for the thermoforming of plastic materials using a mould and vacuum. Sheets of varying colours, thicknesses and finishes can be used with TERMA, to meet any market need.



Terma

TERMA TECHNO LOGY

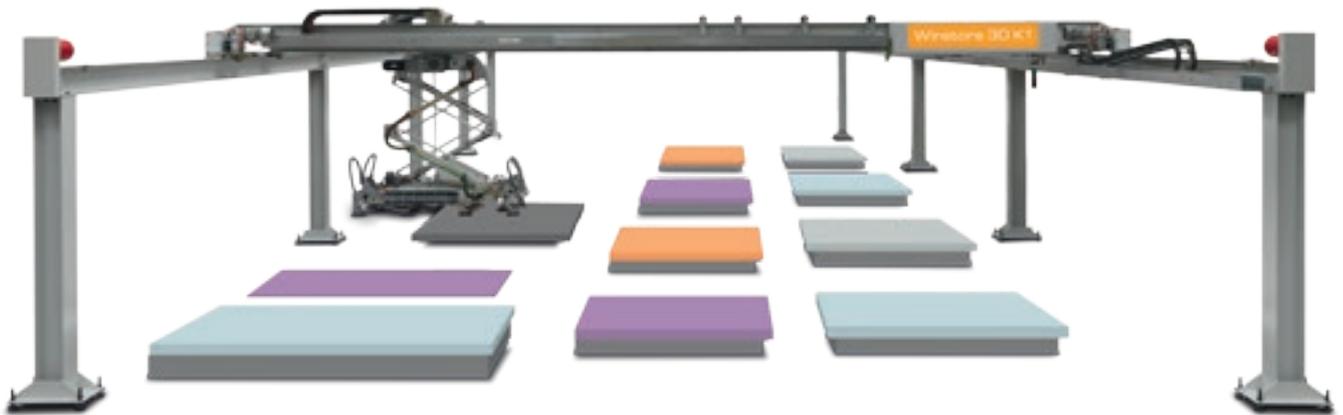
EXPERIENCE BECOMES TECHNOLOGY

Biesse invests its technology in the thermoforming sector, with the new Terma By Fraccaro range of products. Uniqueness and superb quality.



AUTOMATED MAGAZINE

WINSTORE is an automated magazine for the optimised management of panels for large contract manufacturers, which guarantees production with reduced times and costs. Winstore can be integrated into nesting and sizing cells with a significant increase in productivity.



Winstore

HANDLING TECHNOLOGY

SLICK AND EFFICIENT PRODUCTION FLOW

Magazine for high productivity and flexibility. Suitable for uploading and unloading several operating machines integrated into the same line. Seamless integration with panels saws and nesting CNCs.



CALIBRATING AND SANDING MACHINES

Viet Plast is the range of sanders that offers specific solutions for working composite, plastic foam or compact materials. A wide range of groups available, combined and repeatable within the machine allow you to calibrate, sand and glaze surfaces of various sizes.



Viet Plast S211-S1-S2

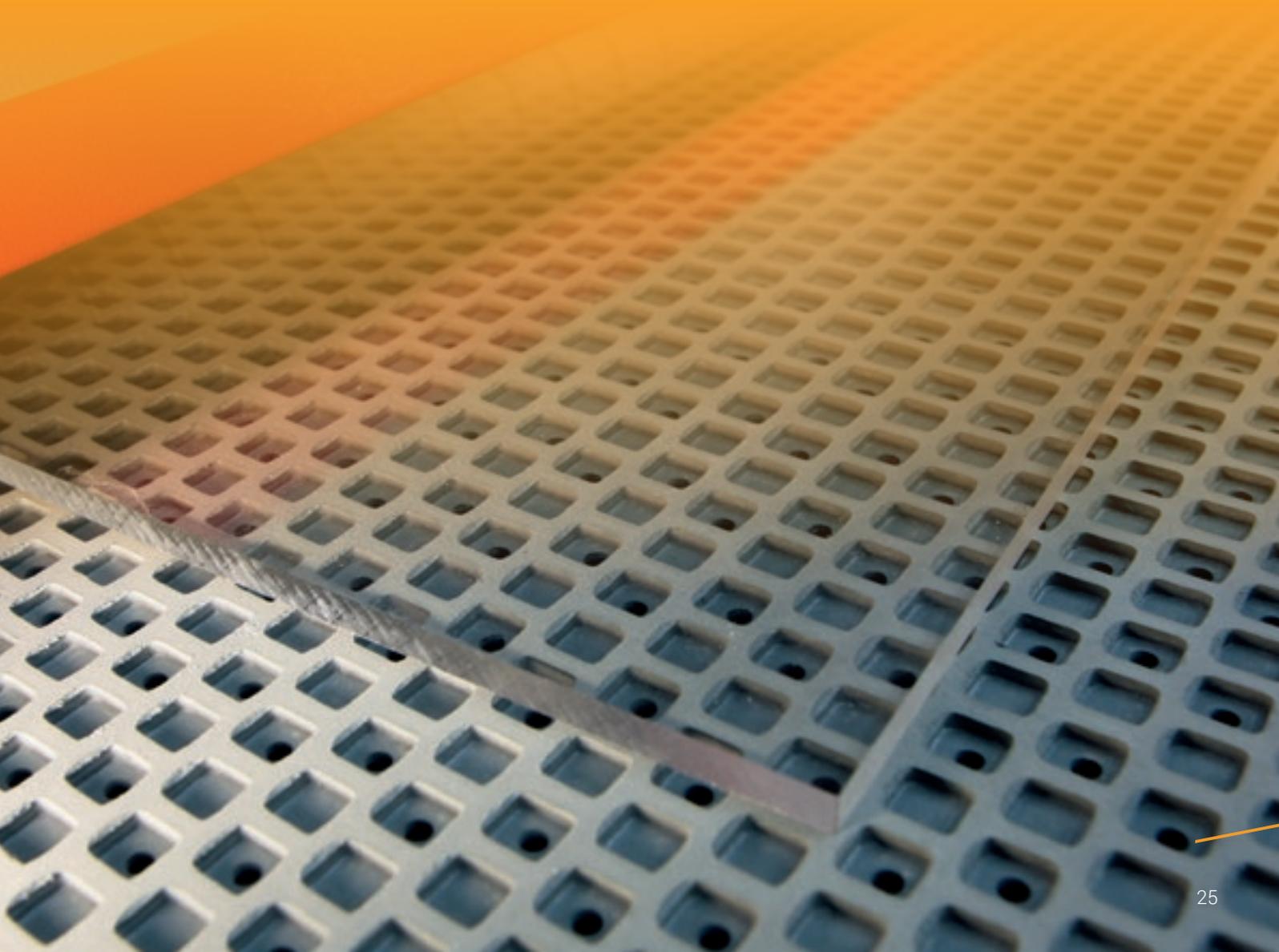


Viet Plast Opera 5-7-R

VIET PLAST

EVEN SURFACES

Optimal quality, less waste and significant cost reduction.
A wide range of finishing centres for machining advanced materials.



SERV ICE & PARTS

Direct, seamless co-ordination of service requests between Service and Parts. Support for key customers from specific Biesse personnel, in-house and/or at the customer's site.

BIESSE SERVICE

- ▣ Installation and start-up of machines and systems.
- ▣ Training centre for Biesse Field technicians, branch and dealer personnel, and training directly at customer's site.
- ▣ Overhaul, upgrade, repair and maintenance.
- ▣ Remote diagnostics and troubleshooting.
- ▣ Software upgrade.

500

Biesse Field engineers in Italy and worldwide.

50

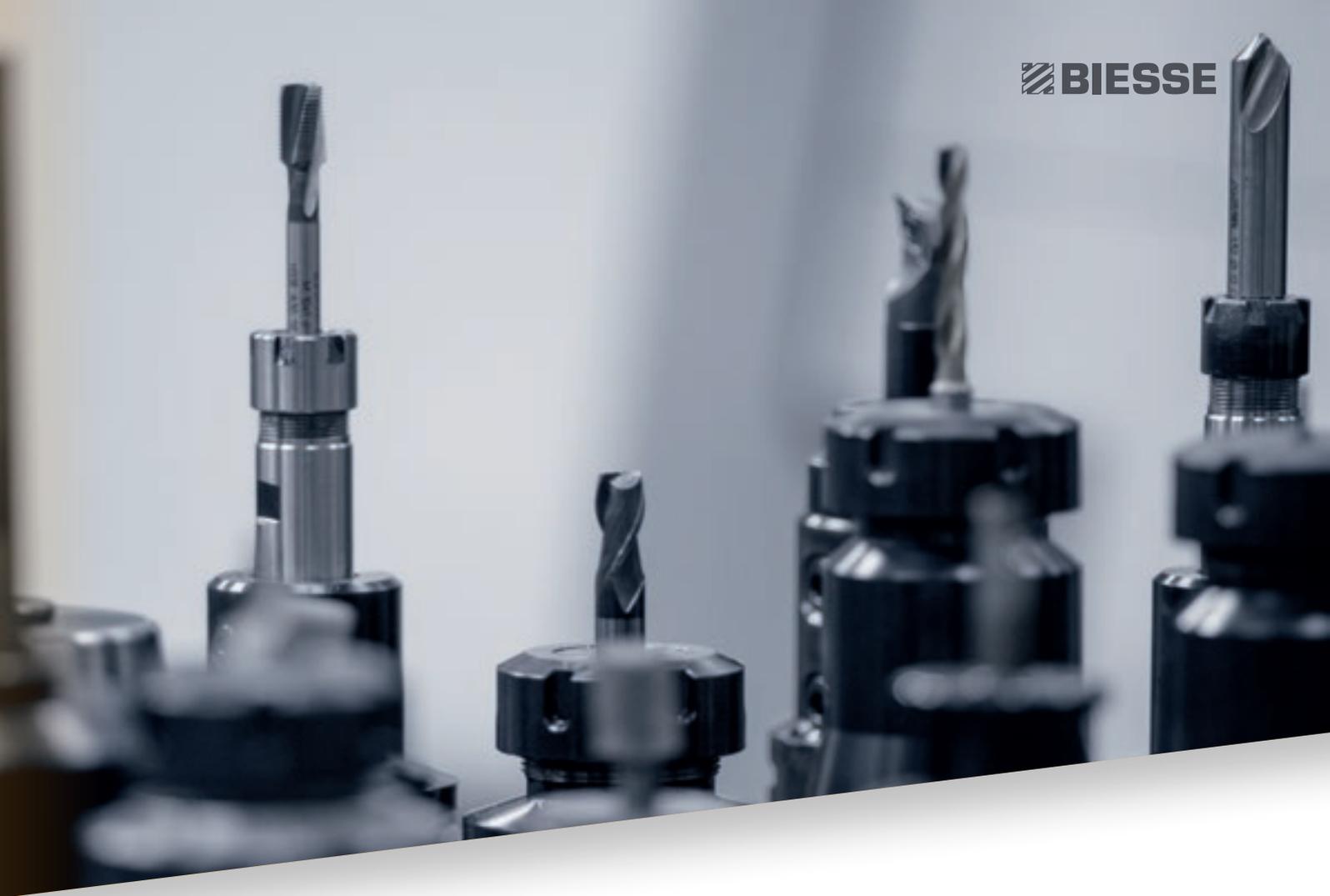
Biesse engineers manning a Teleservice Centre.

550

certified Dealer engineers.

120

training courses in a variety of languages every year.



The Biesse Group promotes, nurtures and develops close and constructive relationships with customers in order to better understand their needs and improve products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts. With its global network and highly specialised team, the company offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.

BIESSE PARTS

- Original Biesse spare parts and spare kits tailored to each machine model.
- Spare part identification support.
- Offices of DHL, UPS and GLS logistics partners located within the Biesse spare part warehouse, with multiple daily pick-ups.
- Order fulfillment times optimised thanks to a global distribution network with delocalised, automated warehouses.

92%
of downtime machine orders fulfilled within 24 hours.

96%
of orders delivered in full on time.

100
spare part staff in Italy and worldwide.

500
orders processed every day.

MADE WITH BIESSE

BIESSE TECHNOLOGY AND CREATIVITY BY ACTION GIROMARI

Action Giromari is a creative workshop that has been working with laser branding and engraving for over 20 years. Developed at a time when globalisation and, to some extent, standardisation were hallmarks of the global culture and economy, the company offered the market a chance to preserve and strengthen the personal aesthetic of creatives, designers and companies.

The company stands out for its ability to work with any type of material.

"We don't develop a single category of products. Rather, thanks to the wide variety of materials we work with and the varied technologies we use, we are able to tailor any project, both for small scale and mass production. We develop stands, signs, branding products and

anything that relates to visual communication. Other products include coverings, countertops and custom made interior design products for stores. We also work with several architects, who send us their designs. Our clients mainly ask us to design and create products that highlight their identity as a company to help them stand out on the market through creativity and design," Raffaele Bastianoni, the company owner, explains.

Action Giromari handles every phase of production itself, from prototyping to engineering to packaging, every single step is inspected first hand. Numerical control technology allows Action Giromari to cut, mill, score and shape each piece. The steps that follow (assembly,

gluing...) all the way to final finishing, are exclusively carried out by hand.

"Biesse technology plays a key role in allowing us to be more versatile and offer ad hoc solutions. Thanks to the new Rover Plast M5 purchased in May 2016 we have increased our production of complex shapes and 3D objects: unique products that have great value on the market. When we chose Biesse, an Italian company that offered reliability and know how, we weren't simply interested in the new numerical control milling cutter, rather we acquired a veritable partnership. We consider Biesse a strategic partner for Giromari's technological development" Bastianoni says in closing.



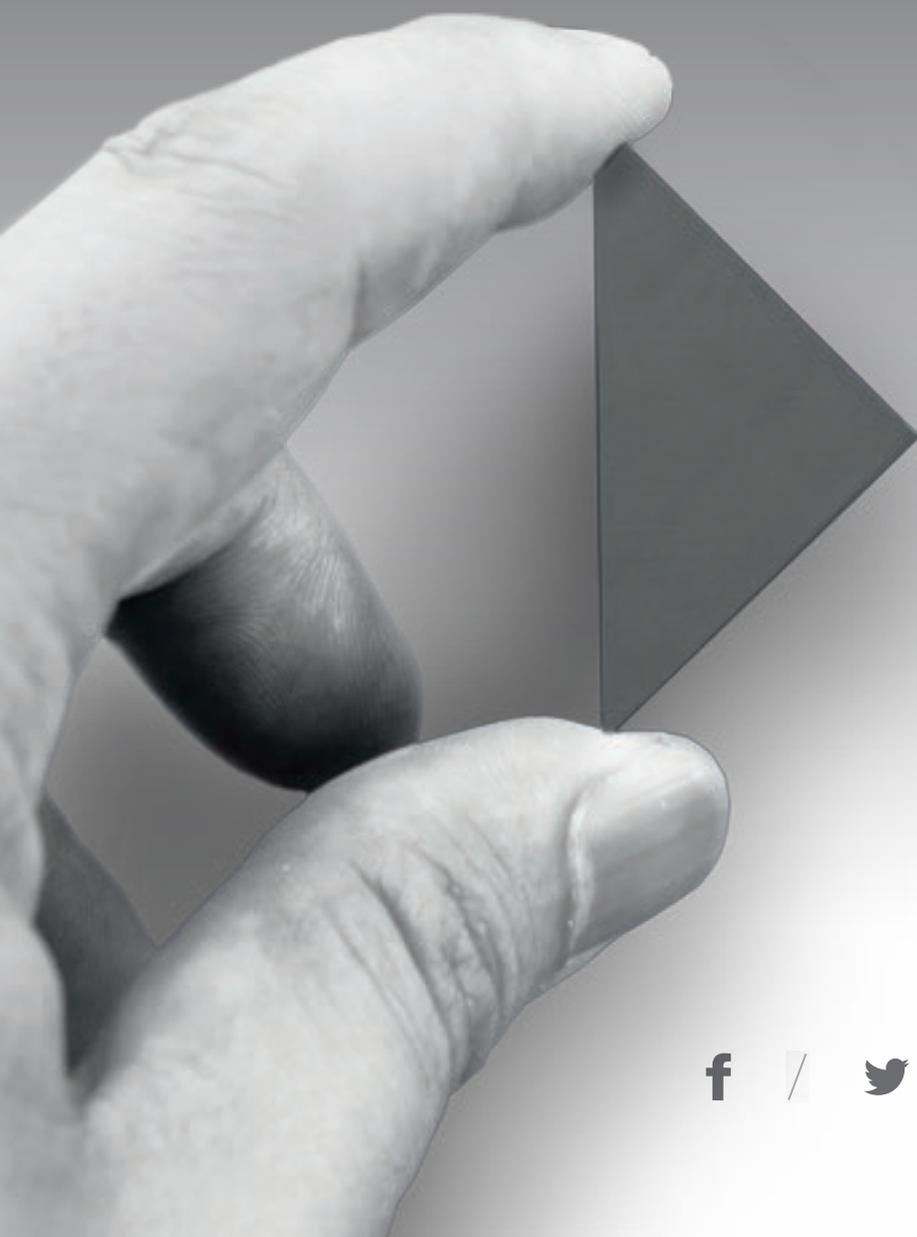
UPM MODENA: FROM THE CONCEPT TO THE FINISHED PRODUCT

Matthew Gualdi is the commercial director of Upm, the Modena-based company that has been operating for over seventy years in the visual communications and illuminated sign sector, as well as more recently in the general contractor industry. "We are able," states Gualdi "to offer turnkey solutions, from concept to finished product, tailored to the needs of our customers. We manage all design, technical, bureaucratic and logistics aspects with a winning combination of

highly-qualified technical and graphics staff, who work with advanced tools, cutting-edge technologies and innovative materials." Biesse has played a decisive role in transforming Upm's commitment to innovation into a reality: "We had always used machines that could be defined as slightly 'niche'. Then, we decided to equip ourselves with a more technologically-advanced and powerful machine: and we found the perfect solution with Biesse Group".



LIVE THE EXPERIENC



BIESSEGROUP.COM

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Interconnected technologies and advanced services that maximise efficiency and productivity, generating new skills to serve better our customer.

LIVE THE BIESSE GROUP EXPERIENCE AT OUR CAMPUSES ACROSS THE WORLD.

 **BIESSEGROUP**

