

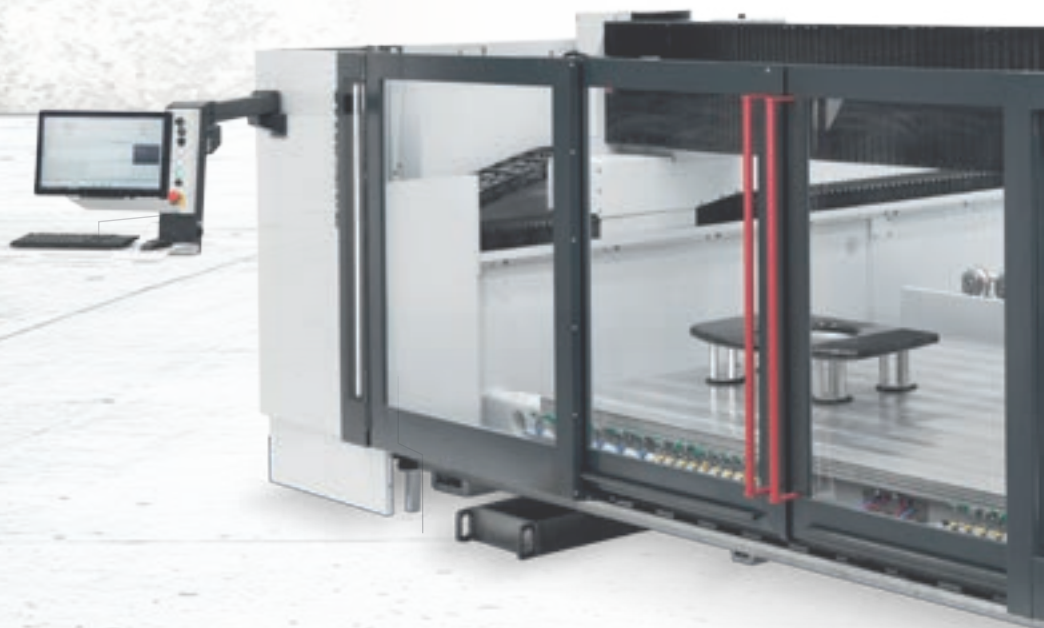
Master 38.3

work center



 **INTERMAC**

When competitiveness
means up to date
machinery



Made **In** Intermac

The Market demands

A technology that is **reliable** in time and able to process new **ceramic and synthetic materials** to meet (maybe to follow is better) the most recent trends in architecture and design.

Intermac meets these requirements

With a new range of work centers with frames sized to host **synthetic material sheets** used for floors, facades and coverings.

- ✓ **Maximum flexibility in the manufacturing process** thanks to the large range of optional devices.
- ✓ **Integrated interface on the parametric CAD-CAM** that makes it possible to execute all the necessary operations within the same working environment.
- ✓ High level of **integration with bridge saws**.



Quality without
compromises



Master **38**
work center



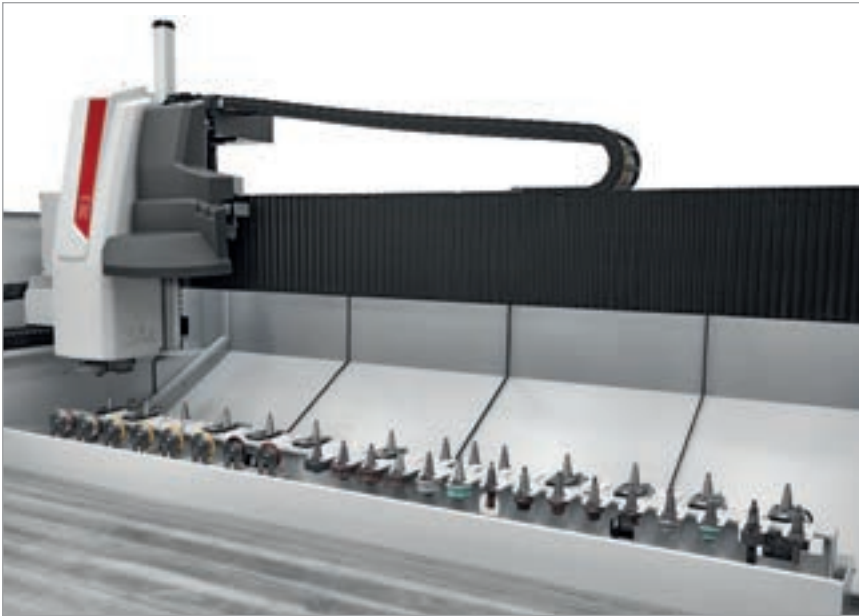
Ideal for every type of material



Master work centers are projected to offer the highest finishing quality on sheets and blocks of natural and synthetic material.



The low work plan grants the highest comfort for the loading of sheets and blocks, both by hand and with dedicated machines (forklift, overhead crane, jib crane).



53-position tool rack grants maximum availability of ready to use tools for the immediate execution of a great number of machining.



8-position revolver storage on the fly to reduce the passive time for the most frequently used tools.

The operator at the center of the machinery project



In Master work centers, the operators is protected through doors that grant:

- ▶ High degree of safety;
- ▶ Isolation of machine's moving parts;
- ▶ A clean work environment (water and production scraps are not dispersed);
- ▶ Reduction of noise pollution.

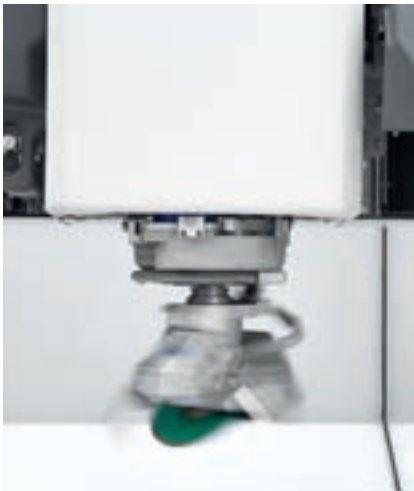


Maximum comfort for the operator through the handbox.



The optional laser projector guides the machine operator during the placement of the suction cups, thus making the table preparation easier and faster.

Ready to make the most of your ideas



Infinite rotating C-axis for the perfect execution of the most complex manufacturing with fluidity and precision.

Tilting ($\pm 0.5^\circ$) T axis for the execution of inclined recess drains for kitchen tops.



The pressure intensifier makes it possible to concentrate a great quantity of cooling water in the contact point between the tool and the processed piece, granting high quality of finish and faster machining feed (opt.).



Drilling bit and polishing wheel redressing devices positioned close to the working area for the immediate redressing of the tools in order to always grant the best quality of execution.

Unlimited possibilities



Peripheral grinding and polishing with adaptative system that constantly measures the spindle absorption is constantly measured to consequently adjust the pressure of the tool on the piece..

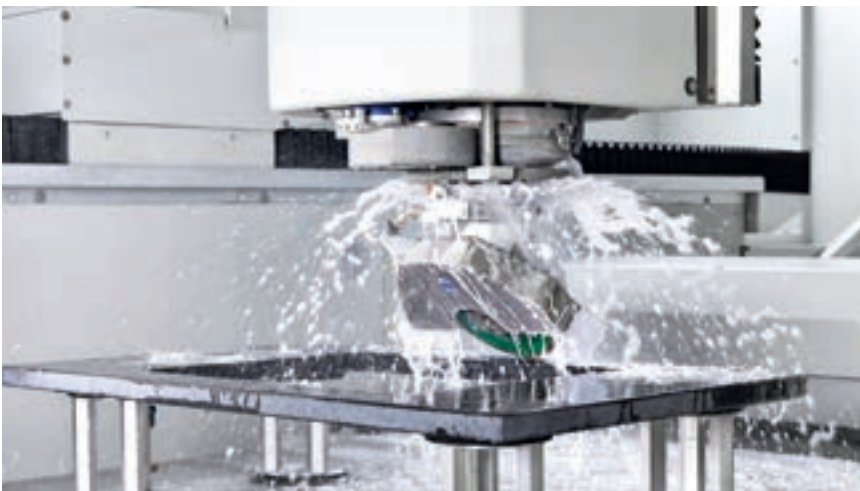


Cup-wheel grinding and polishing on external profile and on internal squared hole through aggregate with magnetic tool change.

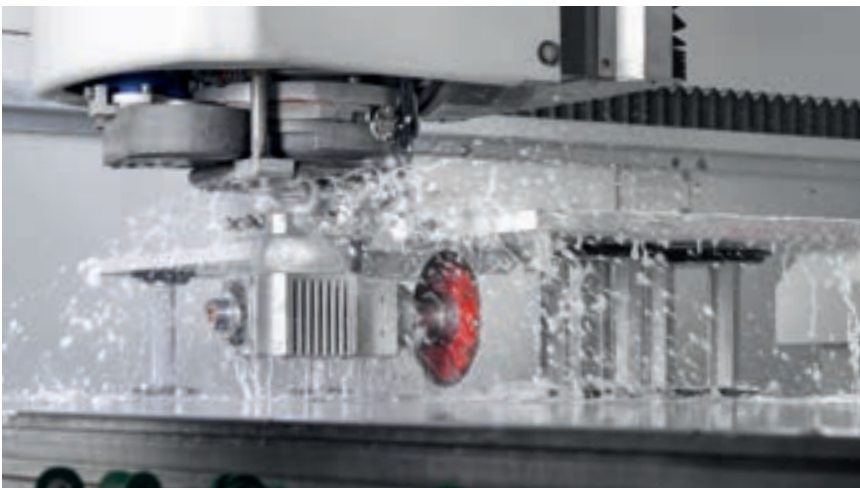




Water slots and recess drain even with inclined plan for kitchen tops.



45° Saw disc cut for junctions.



Aggregate for undercuts for kitchen top.

High technology becomes accessible and immediate.



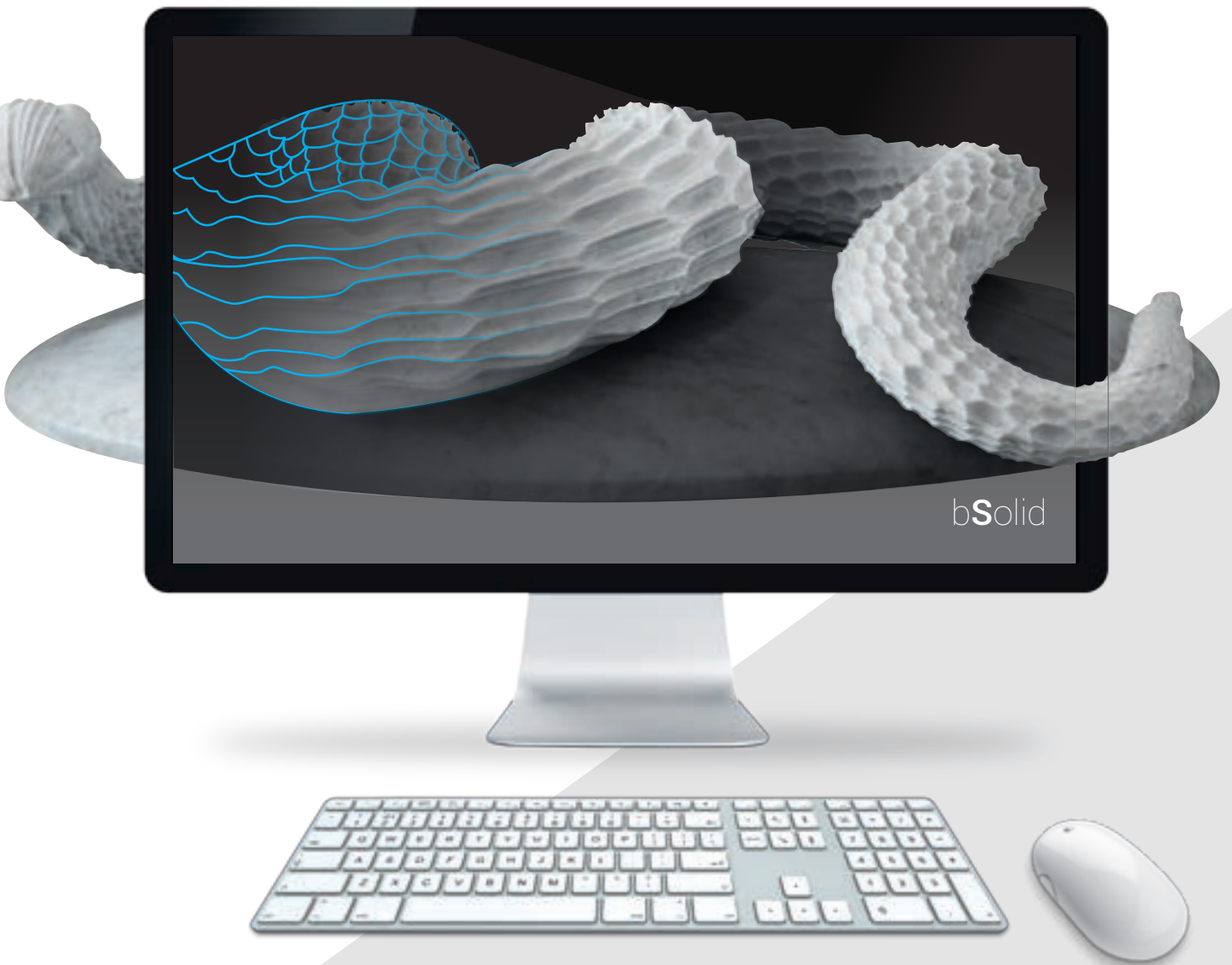
bSolid is a totally parametric CAD CAM 2D-3D software that allows, with a single platform, to accomplish every type of manufacturing thanks to packages realized for specific productions.

- ✓ Parametric programming in few clicks and without limits.
- ✓ Configuration and management of tools even with the most complex shapes for a total integration between **machinery, tool, and project**.
- ✓ Possibility to preview the virtual realization of the pieces in simulated mode.

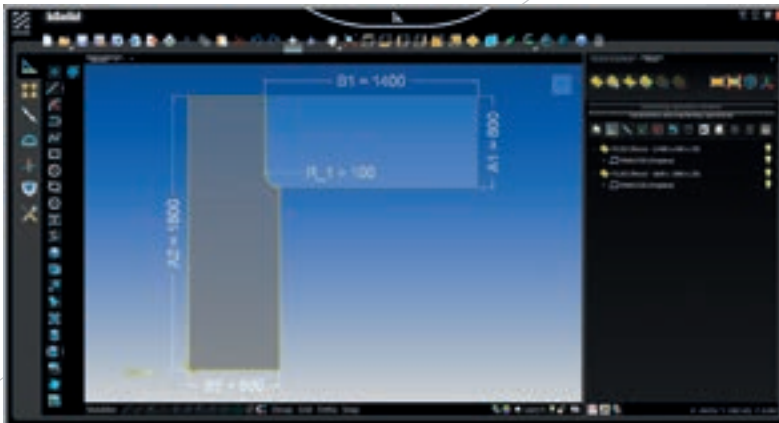
View **bSolid** commercial spot on youtube.com/biessegroup



bSolid



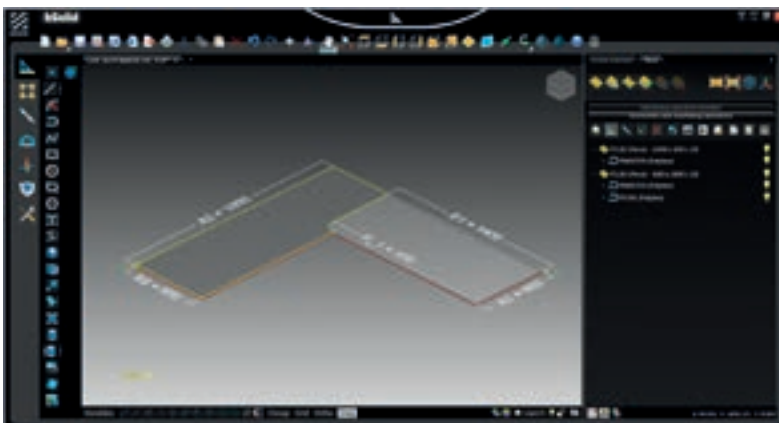
Programming in few clicks and without limits



Programming of parametric 2D and 3D projects by linking drawing with rules and conditions. The processing is automatically recalculated when geometrical parameters change.



To compose the project by inserting macros of under-programs of the most common processing, including drawings and geometries.

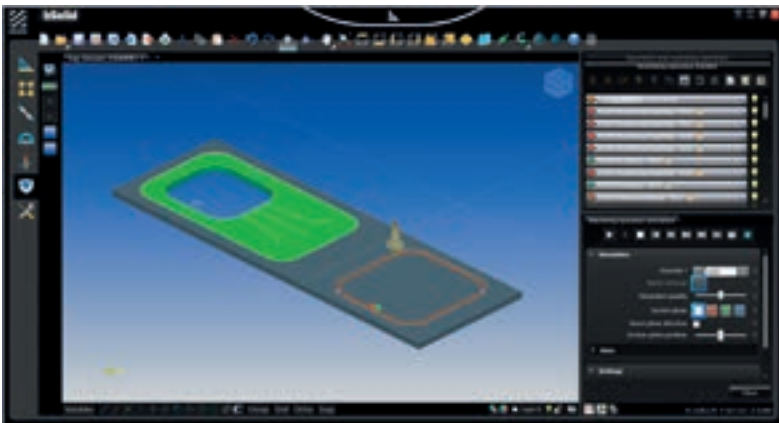


Automatic manufacturing process to mechanically associate manufacturing and sequences to outlines through layouts parameters (geometries, dimensions and layers).

Tool management and simulation

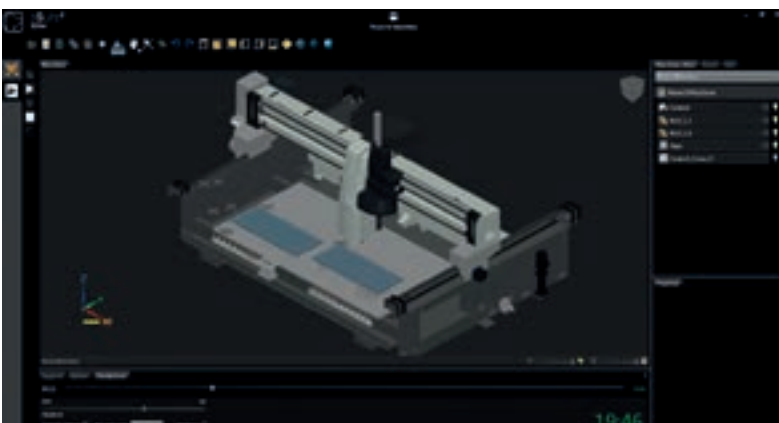


To configure and manage tools with the most complex shapes specifying dimensions and working parameters.



It is possible to preview on the faithful visualization of the machine the entire production process until the finished piece in order to:

- ▶ verify the accuracy of the tool path
- ▶ prevent programming mistakes
- ▶ modify and check the project before machining.

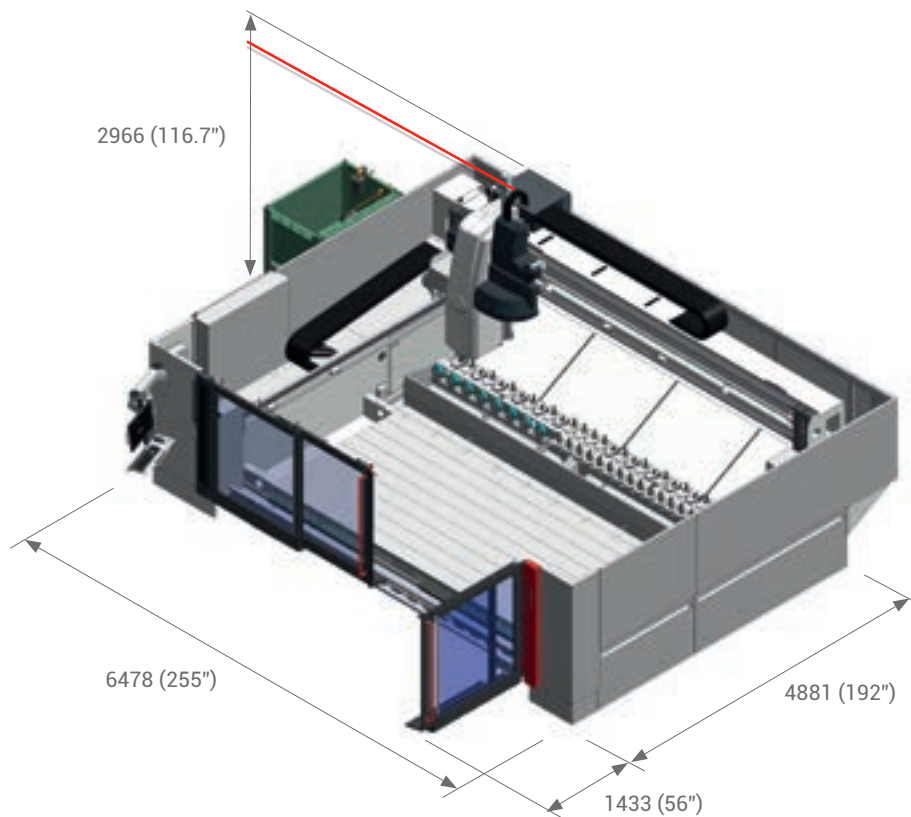


Exact graphic simulation of the machine.

It is possible to simulate on a virtual machinery all the phases, that, until today, were exclusively used by the machinery:

- ▶ visual positioning of stops and suction cups
- ▶ configuration of storehouse and tool change
- ▶ visual check of interferences.

Technical data



Master 38		
Maximum sheet size (3 axis grinding with 100 mm wheel diameter)	mm	3.800 x 2.000
Z axis stroke	mm	465
C axis stroke (opt.)		Unlimited
T axis stroke (opt.)		+/-5°
Maximum axes speed (X, Y, Z)	m/min	60, 70, 18
Working table height (high table version)	mm	535 (740)
Electrospindle power in S1 (S6)	kW	15 (18)
Maximum electrospindle rotation	giri/min	12.000
Tool attachment		ISO 40
Tool rack	N.	53
Required power	kW	22,5
Weight	Kg	7.500
Shipment by truck		Truck (44 ft plane length)
Shipment by vessel		Container 40" OT

Biesse Group

In

1 industrial group, 4 divisions
and 8 production sites.

How

€ 14 million p/a in R&D and 200 patents registered.

Where

34 branches and 300 agents/selected dealers.

With

customers in 120 countries (manufacturers of furniture, design items and door/window frames, producers of elements for the building, nautical and aerospace industries).

We

3,200 employees throughout the world.

Biesse Group is a multinational leader in the technology for processing wood, glass, stone, plastic and metal.

Founded in Pesaro in 1969, by Giancarlo Selci, the company has been listed on the Stock Exchange (STAR segment) since June 2001.

 **BIESSEGROUP**

 **BIESSE**

 **INTERMAC**

 **DIAMUT**

MECHATRONICS

Service & Parts

Direct, seamless co-ordination of service requests between Service and Parts.

Support for Key Customers by dedicated Biesse personnel, either in-house and/or at the customer's site.

Biesse Service

- ✓ Machine and system installation and commissioning.
- ✓ Training centre dedicated to Biesse Field engineers, subsidiary and dealer personnel; client training directly at client's site.
- ✓ Overhaul, upgrade, repair and maintenance.
- ✓ Remote troubleshooting and diagnostics.
- ✓ Software upgrade.

200 / Biesse Field engineers in Italy and worldwide.

20 / Biesse engineers manning a Teleservice Centre.

250 / Certified Dealer engineers.

50 / 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 its products and after-sales service through two dedicated areas: Biesse Service and Biesse Parts.

With its global network and highly specialised team, it offers technical service and machine/component spares anywhere in the world on-site and 24/7 on-line.



Intermac Parts

- ✓ Original Biesse spares and spare kits customised for different machine models.
- ✓ 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 fulfilment time optimised thanks to a global distribution network with de-localised, automated warehouses.

85% / of downtime machine orders fulfilled within 24 hours.

95% / of orders delivered in full on time.

30 / spare part staff in Italy and worldwide.

150 / orders processed every day.

