ENGLISH US

CNC GANTRY MILLING MACHINES

& ADVANCED TECHNOLOGIES

belotti

belotti

For over 45 years, Belotti S.p.A. has been a global leader in designing and manufacturing 5-axis CNC gantry type machining centers for milling and trimming composites, alloys, and plastics.

Founded in 1976 by Eng. Luciano Belotti, the company operates from Suisio (Bergamo) and Modena (Italy), collaborating with Belotti Centro-Sud for sales and engineering services in Central and Southern Italy, and with a strong international presence.

Belotti has expanded into markets worldwide, with branches in Germany, the USA, and China. Known for their cutting-edge solutions and reliability, Belotti serves prestigious clients across various industries, including automotive, aerospace, marine, and design.

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CONTENTS

A broad array of performance-driven technologies tailored for various application industries.

ALUMINUM

COMPOSITES

GANTRY MILLING MACHINES

Customized solutions for machining composites, light alloys, and plastics.

OUR STRENGTHS:

- HIGH PRODUCTION EFFICIENCY
- QUALITY AND ACCURACY OF THE MACHINING
- RELIABILITY AND FLEXIBILITY OF THE SOLUTIONS

Belotti specializes in **multi-axis CNC gantry type machining centers**, offering a wide range of customizable models to meet diverse production needs across industries like automotive, aerospace, and marine. Our commitment to innovation and adaptability ensures the development of faster, more versatile machines tailored to evolving market demands.

We integrate advanced technologies into our Belotti CNC machining centers for precise processing, showcasing our expertise in the quality of **waterjet** and the versatility of **ultrasonic cutting systems.**

Additionally, our company focuses on **software development**, simplifying programming, monitoring, and interconnected management of machines within factory IT systems. This includes CAD/CAM software and IoT platforms for Industry 4.0.

ENGINEERING PLASTICS

LIGHT ALLOYS

TRIM SERIES

A top-tier 5-axis machining center tailored for the high-volume manufacturing of plastic components across diverse applications and industrial sectors.

The TRIM Series stands as the pinnacle of 5-axis machining centers, renowned for their speed, precision, and unwavering reliability in trimming plastic and composite materials.

This Series comprises models featuring either a rigid baseframe or column structure, tailored to the axes' strokes. Despite its rapid processing speed, the TRIM Series maintains impeccable cutting and trimming quality, ensuring maximum productivity.
Further optimization of cycle time is achieved through:

- Various head configurations that enable a broad spectrum of processing capabilities, accommodating even the most intricate tasks with a single machine.
- Customizable piece loading/unloading systems that minimize setup times to nearly zero.
- Incorporation of a second independent bridge that facilitates simultaneous machining operations on different pieces or the same piece.

WORKABLE MATERIALS*

PLASTIC | 100 %

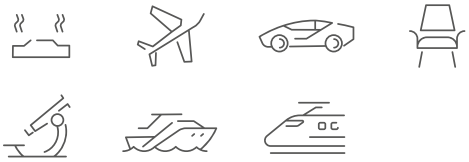
COMPOSITES | 50 %

TOOLING BOARDS RESINS | 30 %

TECHNICAL PLASTIC | 20 %

* Efficiency indicators by material

APPLICATION SECTORS



MAIN ACCESSORIES

- Twin shuttle loading/unloading system
- Rotary table 1
- Single table
- Revolver head
- Head with double exit electrospindle 2
- Head with automatic tool changer up to 30 positions 4
- Second independent bridge 3
- Total enclosure

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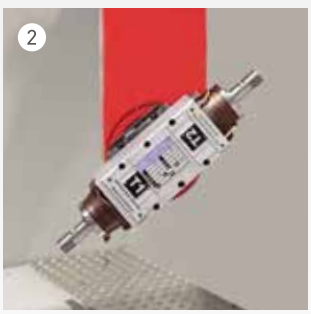

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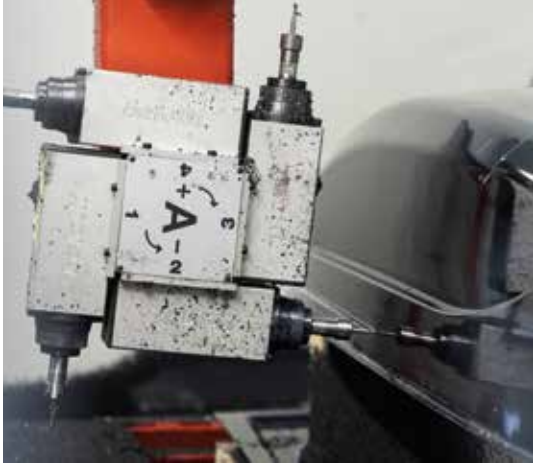
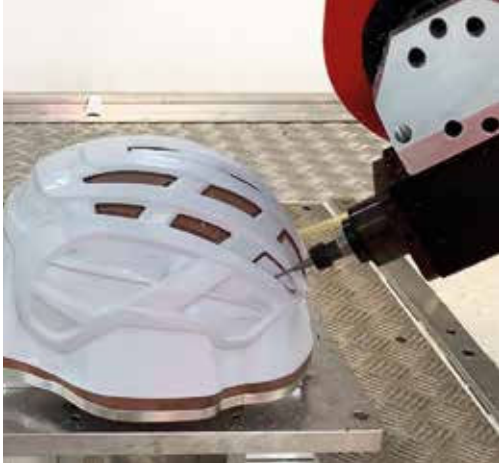




TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	98/118/157/216" (2.5, 3, 4, 5.5 m)	59/63/86" (1.5, 1.6, 2.2 m)	35/43.3" (0.9, 1.1 m)	+/- 270°	+/- 120°
Rapids	2,032 ipm		1,524 ipm	40 rpm	40 rpm
Spindle	From 9 to 20HP at 24,000/36,000 rpm				
CNC	Fanuc, Siemens, Osai				
Tool changer	From 8 to 30 positions				
Linear accuracy	≤ 0.002"/40" for linear axes				
Rotary accuracy	+/- 25 arcsec for rotary axes				
Optional combined technologies	Waterjet				

FLA SERIES

High-speed machining centers for high-volume trimming of composite materials and for milling resin or light alloy patterns.

Belotti FLA 5-axis CNC machining centers combine the efficiency of high-speed milling machines with the capabilities of gantry-type machining centers, providing a comprehensive solution.

The FLA Series is particularly beneficial for:

- the mass production **trimming** of **components in composite materials**;
- the **milling** of **resin and light alloy products/patterns**;
- the **trimming** of **thermoplastic materials.**

With various models available and highly customizable configurations, along with special technical features, Belotti's FLA Series cater to a diverse array of production requirements, particularly within the automotive and aerospace industries.

FLA models ensure optimal production efficiency through the exceptional dynamism of their axes and the inclusion of automated loading/unloading systems such as rotary tables, single shuttle, or twin shuttles.

WORKABLE MATERIALS*

COMPOSITES | 100 %

PLASTIC | 90 %

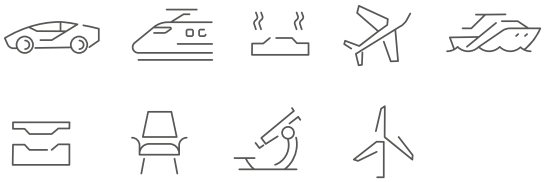
TOOLING BOARDS RESINS | 70 %

TECHNICAL PLASTIC | 40 %

LIGHT ALLOYS | 30 %

* Efficiency indicators by material

APPLICATION SECTORS



MAIN ACCESSORIES

- Single or twin shuttle loading/unloading system 1
- Rotary table
- Dust suction grids with dedicated extraction unit 4
- Electronic suction hood 2
- Linear scales
- Total enclosure or manual/motorised upper rolling shutter
- Cooling liquid system with waste collection tanks 3
- Second independent bridge 3

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TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	118/157/197/216/256/354/433" (3, 4, 5, 5.5, 6.5, 9, 12 m)	71/102/126" (1.8, 2.6, 3.2 m)	35/51/79" (0.9, 1.3, 2 m)	+/- 270°	+/- 120°
Rapids	2,032 ipm		1,524 ipm	44 rpm	40 rpm
Spindle	From 9 to 30HP at 18,000/20,000/24,000 rpm				
CNC	Fanuc, Siemens, Heidenhain, Osai				
Tool changer	From 8 to 60 positions				
Linear accuracy	≤ 0.002"/40" for linear axes				
Rotary accuracy	+/- 24 arcsec for rotary axes				
Measurement system	Linear scales, 5 microns (0.0002") resolution				
Optional combined technologies	Waterjet | Ultrasonic cutting system | Additive manufacturing				

FLU SERIES

The compact and flexible solution for the prototyping and manufacturing of patterns & molds and tooling boards resins.

The Belotti FLU Series stands out as the perfect solution for high-speed, 5-axis milling tasks involving resin patterns, aluminum molds, and the trimming of composite materials. This Series features a robust, monolithic, or double-shoulder structure, meticulously crafted to absorb vibrations and ensure utmost rigidity and stability, particularly during high-volume operations.

Thanks to its high-speed processing capabilities, significant reductions in cycle times are achieved, while the HP or HP2 models of single-shoulder machining units elevate milling precision, delivering top-notch finishes.

The unique structure of the FLU Series guarantees complete accessibility to the work area, facilitating the loading of both small and heavy pieces with either a forklift or an overhead crane.

Furthermore, FLU Series machines can be tailored to specific production requirements with a variety of work tables, safety enclosures, and advanced accessories like extruders for additive manufacturing or ultrasonic cutting systems.

WORKABLE MATERIALS*

TOOLING BOARDS RESINS | 100 %

COMPOSITES | 90 %

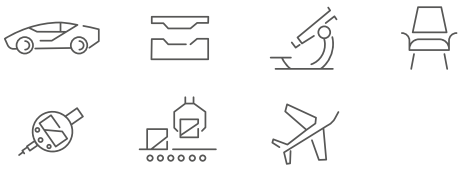
LIGHT ALLOYS | 70 %

TECHNICAL PLASTIC | 70 %

PLASTICS | 30 %

* Efficiency indicators by material

APPLICATION SECTORS



MAIN ACCESSORIES

- The High Performance head (HP) crafted from cast iron guarantees exceptional levels of rigidity and temperature stability
- The High Performance 2 head (HP2) is furnished with unique attributes aimed at reducing vibrations and enhancing the head's rigidity 4
- Linear scales are incorporated for precise measurement and positioning
- Dust suction grids equipped with dedicated extraction units
- Complete enclosure options with fixed or retractable roofs 2
- Upper rolling shutter 3
- Coolant system with chip conveyor 5

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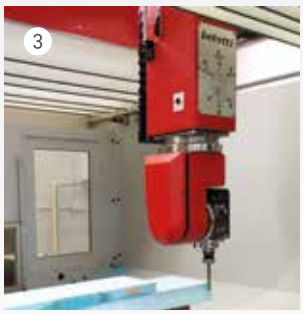

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TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	102/157" (2.6, 4 m)	67/71/126" (1.7, 1.8, 3.2 m)	39/51" (1, 1.3 m)	+/- 270°	+/- 120°
Rapids	2,032 ipm		1,524 ipm	44 rpm	40 rpm
Spindle	From 20 to 30HP at 24.000 rpm max.				
CNC	Fanuc, Heidenhain, Siemens				
Tool changer	8/18/30/60 positions, also with exchange arm				
Linear accuracy	≤ 0.0012"/40" for linear axes				
Rotary accuracy	+/- 12 arcsec for rotary axes				
Measurement system	Linear scales, 5 microns (0,0002) resolution				
Optional combined technologies	Ultrasonic cutting system | Additive manufacturing				

NAVY SERIES

Advanced and versatile solutions designed to meet the needs of the marine industry and large pattern makers.

The Belotti NAVY Series features specialized 5-axis machines tailored for shipyards and pattern makers, offering a wide array of models to meet diverse production needs. Capable of handling both patterns and final/structural parts of medium-sized boats, from cutting resin models to trimming fiberglass hulls, decks, and other high-resistant composite materials, they ensure comprehensive manufacturing capabilities.

Featuring a rigid, Cartesian structure with a suspended bridge, these machines deliver exceptional performance, including short processing times, flexibility, top-quality surface finishes, and durability.

Moreover, their production capacity can be expanded with a second independent bridge, allowing for simultaneous machining operations on different pieces or the same piece.

To ensure a safe and clean working environment, Belotti NAVY CNC centers come equipped with total enclosures, dust suction grids, push and pull systems, as well as active/passive safety devices.

WORKABLE MATERIALS*

TOOLING BOARDS RESINS | 100 %

COMPOSITES | 90 %

* Efficiency indicators by material

APPLICATION SECTORS

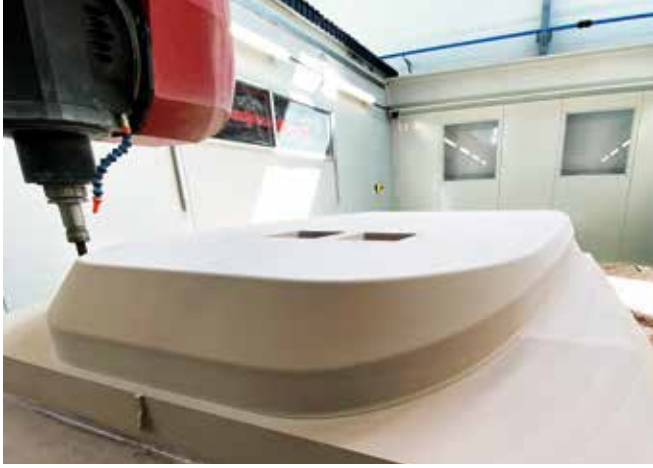
MAIN ACCESSORIES

- Single-shoulder head
- Telescopic Z axis 2
- Second independent bridge 4
- Dust suction grids
- Automatic tool changer 3
- Suction hood
- Push and pull system with extraction unit
- Total enclosures 1
- Upper rolling shutter 1

TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	8.5/19.7/ 26/ 39/56/65.6/ 75/98/141 ft (2.6/6/8/12/17/20/23/30/43 m)	10.5/14/17/20/23.6/29 ft (3.2/4.2/5.2/6.2/7.2/8.8 m)	5/6.5/9.8/10.8/13.8/17/22.6 ft (1.5/2/3/3.3/4.2/5.3/6.9 m)	+/- 270°	+/- 120°
Rapids	2,540 ipm		1,143 ipm	44 rpm	40 rpm
Spindle	From 20 to 57HP at 24,000 rpm max.				
CNC	Fanuc, Heidenhain, Siemens				
Tool changer	16/18/30/40/60 positions				
Linear accuracy	≤ 0.0014"/40" for linear axes				
Rotary accuracy	+/- 24 arcsec for rotary axes				
Optional combined technologies	Additive manufacturing				

VEGA SERIES



High-speed gantry cnc centers for machining large-size components made of composite materials and resin prototypes.

Belotti VEGA CNC centers are the result of a long experience in the production of 5-axis technologies for the machining of resin prototypes as well as carbon fiber and aluminum components.

The Series is crafted to fulfill production needs across automotive, aerospace, and broader pattern-making and composite parts manufacturing sectors (e.g., carbon fiber, kevlar, fiberglass, honeycomb).

Belotti VEGA models boast dynamically rigid structures, providing an unparalleled blend of efficiency: minimized processing times, heightened precision, superior surface finishes, and long-term durability.

To ensure a safer working environment, total enclosures, dust suction grids, push and pull systems, and vision cameras are integrated.

WORKABLE MATERIALS*

COMPOSITES | 100 %

TOOLING BOARDS RESINS | 90 %

LIGHT ALLOYS | 70 %

* Efficiency indicators by material

APPLICATION SECTORS

MAIN ACCESSORIES

- Single-shoulder head
- Second independent bridge
- Dust suction grids
- Suction hood
- Push and pull system with extraction unit
- Total enclosure with moving roof
- Upper rolling shutter
- Vision cameras

TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	8.5/19.7/26/39/56/65.6/ 75/98/141 ft (2.6/6/8/12/17/20/23/30/43 m)	10.5/14/17/20/23.6/29 ft (3.2/4.2/5.2/6.2/7.2/8.8 m)	5/6.5/9.8/10.8/13.8/ 17/22.6 ft (1.5/2/3/3.3/4.2/5.3/6.9 m)	+/- 270°	+/- 120°
Rapids	2,540 ipm		1,143 ipm	44 rpm	40 rpm
Spindle	From 20 to 57HP at 24,000 rpm max.				
CNC	Fanuc, Heidenhain, Siemens				
Tool changer	16/18/30/40/60 positions				
Linear accuracy	≤ 0.0006"/40" for linear axes				
Rotary accuracy	+/- 15 arcsec for rotary axes				
Measurement system	Linear scales, 5 micron (0.0002") resolution				
Optional combined technologies	Ultrasonic cutting system | Additive manufacturing				

SKY SERIES

The ultimate versatile solution offering peak accuracy for machining light alloy patterns & molds and composite prototypes.

Belotti SKY 5-axis CNC centers are designed to mainly satisfy the specific applications of the automotive and aerospace industries.
The SKY Series is the ideal solution for:

- **milling patterns & molds** in **aluminum** and **composite materials**;
- **milling resin prototypes** for design centers;
- **trimming structural components** in **composite materials**.

This Series features a monolithic structure, thermally stabilized to enhance machining precision and long-term stability, with axis movement managed by screw balls. The patented Belotti fork head, compact and sturdy, is equipped with torque motors and hydraulic locking brakes on the rotary axes, ensuring superior surface finishes during simultaneous machining of linear axes interpolated with rotary axes A and C.
Additional features include total protection enclosures, vision cameras in the spindle housing for work-cycle and unattended machining monitoring, a suction system with motorized hood, and a cooling liquid system with filters and chip conveyor for high-volume aluminum processing (also available in a special version for composite materials).
These enhancements guarantee excellent operator safety and cleanliness in the working environment.

WORKABLE MATERIALS*

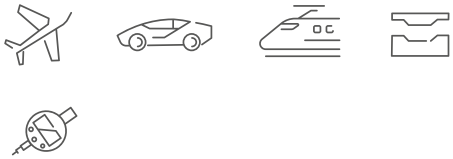
LIGHT ALLOYS | 100 %

COMPOSITES | 70 %

TOOLING BOARDS RESINS | 50 %

* Efficiency indicators by material

APPLICATION SECTORS



MAIN ACCESSORIES

- Fork head with torque motors 2
- Dust suction grids with air ducting and requalification
- Suction hood 3
- Total enclosure with moving roof 1
- Upper rolling shutter 5
- Cooling liquid system with chip conveyor 4
- Temperature control system

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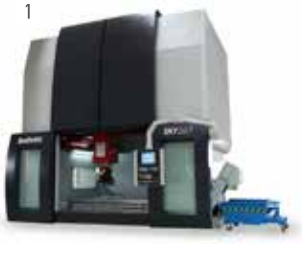

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TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	102/142" (2.6, 3.6 m)	67/86/118" (1.7, 2.2, 3 m)	51" (1.3 m)	+/- 360°	+ 135° / - 110°
Rapids	1,270 ipm		762 ipm	60 rpm	60 rpm
Spindle	30/40/57/68HP from 18,000 to 24,000 rpm max.				
CNC	Fanuc, Heidenhain, Siemens				
Tool changer	18/30/40/60 positions				
Linear accuracy	≤ 0.004"/40" for linear axes				
Rotary accuracy	+/- 10 arcsec for rotary axes				
Measurement system	Linear scales, 5 micron (0.0002") resolution				
Optional combined technologies	Ultrasonic cutting system | Additive manufacturing				

MDL SERIES

All-purpose high-speed 5-axis centers for machining light alloys and composite materials across various industries.

Belotti MDL Series is used with great versatility for **milling light alloy molds** and for **trimming large-size structural parts in composite materials.**
This cutting-edge technology represents the optimal solution for the automotive and aerospace sectors, addressing the need for milling operations on patterns & prototypes and finishing machining of large-scale molds/parts made of aluminum or composites.

The high-stiffness structure and utilization of 5-axis heads equipped with torque motors and optical lines on linear axes enhance precision and finish quality. With a diverse array of models and machining units, every dimensional and technological requirement can be met.

Total enclosures, a suction system with a motorized hood, a coolant system with chip conveyor, and vision cameras in the spindle ensure optimal cleaning conditions in the working area and excellent operator safety.

WORKABLE MATERIALS*

LIGHT ALLOYS | 100 %

COMPOSITES | 90 %

TOOLING BOARDS RESINS | 30 %

* Efficiency indicators by material

APPLICATION SECTORS

MAIN ACCESSORIES

- Fork head 2
- Total enclosure with moving roof 1
- Upper rolling shutter
- Coolant system with chip conveyor 3
- Double bridge
- Vision cameras 4
- Temperature control system

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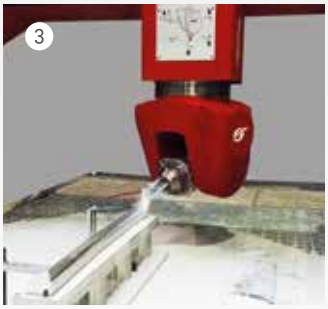

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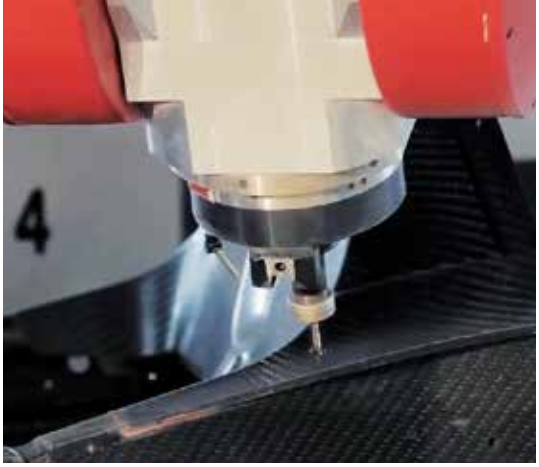

TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	157/236/315/472/ 630/905/1181" (4, 6, 8, 12, 16, 23, 30 m)	102/118/142/157/ 189/256" (2.6, 3, 3.6, 4, 4.8, 6.5 m)	51/59/79/98/118/177" (1.3, 1.5, 2, 2.5, 3, 4.5 m)	+/- 360°	+ 135° / - 110°
Rapids	1,270 ipm		762 ipm	60 rpm	60 rpm
Spindle	30/40/57/68HP from 18,000 to 24,000 rpm max.				
CNC	Fanuc, Heidenhain, Siemens				
Tool changer	16/18/30/40/60 positions				
Linear accuracy	≤ 0.0004"/40" for linear axes				
Rotary accuracy	+/- 10 arcsec for rotary axes				
Measurement system	Linear scales, 5 microns (0.0002") resolution				
Optional combined technologies	Abrasive waterjet | Ultrasonic cutting system | Additive manufacturing				

NESTING SERIES

The 3-axis compact series designed for machining large aluminum and plastic material plates.

Belotti NESTING Series is **the ideal solution to machine and nest even small and detailed pieces out of a single aluminum or technical plastic plate**, up to 50 mm (2") thick.

This Series represents an automated and highly flexible technology developed to meet the demands of various sectors including packaging, mechanical industry, checking fixtures, automotive, and aerospace. The compact footprint configuration, combined with the high dynamism of the milling head, ensures maximum quality of machined surfaces, high productivity, and optimized energy and material consumption. The machine features a compact and monolithic structure and is delivered fully assembled, streamlining setup and positioning operations.

Belotti NESTING CNC centers are engineered to operate in unattended mode throughout the entire cycle time, resulting in a significant reduction in operator costs and a high return on investment. The machine can be equipped with CAD/CAM plug-in software, developed by Belotti for easy programming of 2D geometries and complex machining operations. Additionally, the aluminum suction table with MDF panel and vacuum clamping system, the extraction system with electronic hood connected to the suction system, and the perimeter enclosures ensure a safer and cleaner working environment.

WORKABLE MATERIALS*

TECHNICAL PLASTIC | 100 %

ALUMINUM | 70 %

TOOLING BOARDS RESINS | 30 %

* Efficiency indicators by material

APPLICATION SECTORS

MAIN ACCESSORIES

- Aluminum vacuum table with MDF panel
- Electronic suction hood for 3-axis head 2
- Vertical aluminum table 3
- Special table for nesting small pieces
- Tool changer 4
- Perimeter enclosure or on board protection 1
- Minimal lubrication system through the spindle 5
- CAD/CAM easy programming software

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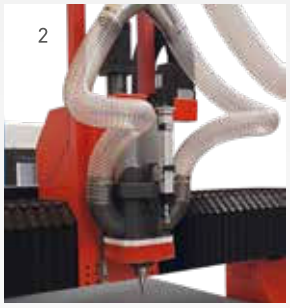

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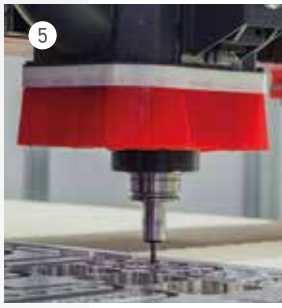


TECHNICAL SPECS

Axis	X	Y	Z
Travels	78/118/157/236" (2, 3, 4, 6 m)	63/79/118" (1.6, 2, 2.5 m)	17.72" (0.45 m)
Rapids	1,270 ipm		762 ipm
Spindle	20HP at 20,000 or 24,000 rpm/30HP at 18,000 rpm.		
CNC	Fanuc, Siemens		
Tool changer	11/15/20/30 positions		
Linear accuracy	≤ 0.0006"/40" for linear axes		

NOVA SERIES

Sturdy and reliable multi-axis machining center for milling different sized products and profiling large-scale parts out of aluminum, technical plastic and composite panels.

Belotti NOVA Series is the result of the long experience achieved in over 40 years of activity in the production of 3 and 5-axis machining centers.

The NOVA Series addresses the urgent needs of prominent industries including packaging, checking fixtures, aerospace, and automotive sectors. These multi-axis CNC centers feature a robust monolithic structure equipped with double slideways on both sides of the baseframe, ensuring maximum gantry rigidity during operations. The mobile bridge and dual motors on both sides (Dual Drive System) enable the machining of large pieces while maintaining series quality.

Available with 3-axis and 5-axis heads, Belotti NOVA centers can process various materials such as aluminum, light alloys, composites, and technical plastics, delivering high performance thanks to electrospindles and top-of-the-range clamping systems.
The optional compact 5-axis head, equipped with axis locking brakes and encoders, facilitates machining of complex-shaped parts, ensuring quality and precision.

WORKABLE MATERIALS*

ALUMINUM PANELS | 100 %

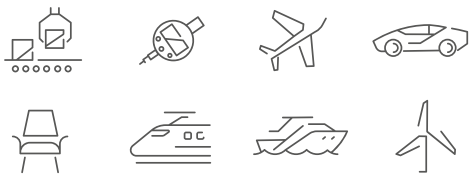
TECHNICAL PLASTIC | 90 %

COMPOSITES | 30 %

TOOLING BOARDS RESINS | 30 %

* Efficiency indicators by material

APPLICATION SECTORS



MAIN ACCESSORIES

- Dual Drive system and linear scales 3
- Double performance head 3-5 axis 1
- Electronic suction hood for 3-axis head
- CSRS - Caterpillar Stack Routing System
- Minimal lubrication system through the spindle
- Perimeter enclosure
- CAD/CAM easy programming software

TECHNICAL SPECS

Axis	X	Y	Z	C	A
Travels	78/118/157/197/236/393" (2, 3, 4, 5, 6, 10 m)	63/79/98/118" (1.6, 2, 2.5, 3 m)	11.8/19.7" (0.3, 0.5 m)	+/- 270°	+/- 120°
Rapids	1,270 ipm		762 ipm	44 rpm	40 rpm
Spindle	From 20 to 40HP at 30,000 rpm max.				
CNC	Fanuc, Heidenhain, Siemens				
Tool changer	From 12 to 60 positions, also with exchange arm				
Linear accuracy	< 0.00035"/40" for linear axes				
Rotary accuracy	+/- 12 arcsec for rotary axes				
Measurement system	Linear scales, 5 micron (0.0002") resolution				

ADVANCED TECHNOLOGIES

ADDITIVE MANUFACTURING

BEAD The all-in-one gantry solution

BEAD is an innovative hybrid technology that seamlessly integrates Large Scale Additive Manufacturing (LSAM) with the milling process within a single machining center. By combining the speed and creative potential of 3D printing with the precision and reliability of a CNC center, BEAD offers the best of both worlds in one system.

This solution can be customized in various configurations, offering variable build volumes, extrusion outputs, and printing orientations (90°C and 45°C). It finds application across multiple industries, enabling the production of molds, plugs, and autoclave toolings using different materials, ranging from commodity to high-performance fiber-reinforced polymers.

3D printing extruders for LSAM can be seamlessly installed on **Belotti FLA, FLU, MDL, NAVY, SKY, and VEGA machining centers**. For more information about this cutting-edge technology, download the brochure and watch the video.

ULTRASONIC TECHNOLOGY

Cutting system for excellent surface finishes

Ultrasonic technology is particularly suitable for honeycomb and light alloys machining in the aerospace and automotive sectors.
The ultrasonic cutting system (20 kHz) can be installed on **Belotti FLA, FLU, MDL, SKY, VEGA machining centers.**
Upon request, the machining center can be equipped with two cutting heads: a head with screwed blade for vertical cutting, and a second cutting head with disc blade for surface finishes. Both can be stored in a dedicated tool changer during 5-axis milling operations.

WATERJET

Maximum versatility for different application fields and cutting geometries

The versatility of water cutting technology makes it suitable for processing a wide range of materials across various civil and industrial sectors. Waterjet technology offered by Belotti enables customers to work with diverse materials with exceptional precision and speed, while avoiding deformations caused by thermal and mechanical stress due to its “cold” cutting method. The minimal percentage of scraps and low tool wear associated with this technology make it highly cost-effective with minimal environmental impact.

In addition to composites, waterjet cutting systems can also be utilized for machining metal materials. These systems can be seamlessly integrated into **Belotti FLA, MDL, and TRIM machining centers**.

SOFTWARE

MyB

The IoT platform for integrated and optimized machining centers management

Highly customisable through the activation of specific Modules, the platform allows to:

- Measure and optimize the productivity and durability of the machining centers;
- Enhance the overall value of the machinery and manage the interconnection with the factory environment;
- Guarantee constant and efficient support by Belotti Service.

The **MyB Suite** is compatible with major international IoT protocols, can be installed on machining centers with different numerical controls, and can be operated as a retrofit on existing machineries.

Extremely versatile, the platform is designed to meet the main needs in terms of production optimisation and durability performances for Belotti CNC centers over time. Moreover, it works with other machines using the following numerical controls: **Fanuc, Heidenhain, OSAI, Siemens.**

MyB MODULES

bCARE
The solution for a direct communication with Belotti Service

bOPEN
The software for interconnection

BES
Belotti Equipment Supervisor for Industry 4.0

Barcode
The function for automatic program selection

bCollision Detect
The module to reduce and prevent collisions

bUser
The software for operator-machine management

bView
A single interface for complex projects

CAD | CAM

Internally developed plug-in to the CAD/CAM software, for easy programming of Belotti 3-axis centers

A powerful tool to manage 2D geometries and to implement varied and complex machining operations, even importing its own libraries into the program.

- Easy-programming operations
- Programming time reduction up to 50%
- Time reduction in forecast and analysis of cost/cycle-time

SERVICE

BELOTTI SERVICE

Belotti Service is the after-sales department dedicated to providing comprehensive support to customers throughout the entire lifespan of a Belotti machining center

CUSTOMER CARE

From the purchase to the entire lifetime of a Belotti cnc machining center, the Belotti Service team provides prompt support to ensure maximum productivity through:

- **Free hotline and e-mail support**
- Tel. +1 (864) 518-1727 – belottiamerica@belotti.com
- **Remote support**
- **Field service**

The additional **Belotti Express** service guarantees the availability of a Belotti technician within 36 hours from the receipt of the official request.

PREVENTIVE MAINTENANCE

Preventive maintenance and services are planned to reduce inefficiencies and optimize machine costs over time.
Belotti offers three **preventive maintenance plans** (Compact – Classic – Excellent) conceived to guarantee the machining center's performance over time in terms of precision and reliability.

SPARE PARTS

Belotti ensures wide availability and fast delivery of key spare parts worldwide, thanks to a well-stocked warehouse. All spare parts are original and certified.
The **B-Cloud** additional service ensures immediate availability of selected spare parts.

REPAIRS

Belotti provides repair services for machining center components in the event of malfunctions due to aging or accidental events. The interventions are carried out by Belotti Service team, which is regularly trained in the latest technological innovations.

TRAININGS

Training sessions are organised with the aim of transferring high technical skills and operational autonomy to customers' operators in the short term.
The programs are modular and customised according to the needs of the customer.
Training days and technical advice are also offered to support customers during the start-up phases of a new production process involving new operations or new materials.

ELECTROSPINDLES OVERHAUL

Belotti offers diagnostic, overhaul, and repair services of the electrospindles assembled on Belotti machining centers.
The additional **B-Rapid** service is the special solution that minimizes downtime caused by electrospindle failure.

UPGRADE & RETROFIT

Belotti designs and operates upgrade and retrofit on the machining centers to add value to the investment by:

- Increasing their productivity through the installation of additional components;
- Extending their service life through the adaptation of the equipment to todays standards.

belotti.com

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