

NESTING SERIES



THE 3-AXIS COMPACT SERIES FOR MACHINING LARGE ALUMINIUM AND PLASTIC MATERIALS PLATES.

Workable materials*

TECHNICAL PLASTIC



ALUMINIUM



TOOLING BOARDS RESINS



* Efficiency indicators by material

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

This Series is an automated and highly flexible technology, developed to meet the demands of several sectors: packaging, mechanical industry, checking fixtures, automotive and aerospace.

The **minimum footprint configuration** combined with the **high dynamism of the milling head**, guarantee **maximum quality of the machined surfaces**, **high productivity** and **optimization of energy and material consumption**.

The machine has a compact and monolithic structure and is delivered already assembled, speeding up set-up and positioning operations.

Belotti NESTING CNC centers are **designed to operate in unattended mode during the entire cycle time**, allowing a significant reduction in operator-cost and a high return on investment. The machine can be supplied with the CAD / CAM plug-in software, developed by Belotti for easy programming 2D geometries and complex machining operations.

The aluminium 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 area.

Main accessories

- Aluminium vacuum table with MDF panel
- Electronic suction hood for 3-axis head [2]
- Vertical aluminium 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



1



2



3



4



5



Application sectors



Technical features

Axis	X	Y	Z
Stroke	3/4 m	1,6/2/2,5 m	0,45 m
Speed	50 m/min		30 m/min
Spindle	From 15 kW up to 22 kW at 24.000 rpm max.		
CNC	Fanuc, Siemens		
Tool changer	From 11 to 30 positions		
Linear accuracy	≤ 0,015 mm/m for linear axes		