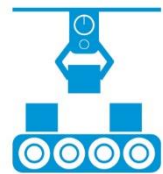




60.000
PRODUCTION CAPACITY



43
PARTNERS WORLDWIDE



100
EXPORT COUNTRIES



GARNET XS Profile Machining Centre



Accurate, efficient user friendly and outstanding value...



See it in action:

shutterstock.com · 1213202904

<https://youtu.be/4xZWWhiyOs4Q>

Key features

- Non-standard specific operations on different profiles
- Ability to process at fixed angles of -90, 0 and +90 degrees
- HSD drill/ rout aggregate and saw unit
- Automatic tool length measuring
- Automatic tool change magazine: 8 + 1 tools
- Fully Automatic clamping and clamp re-positioning
- Touchscreen user friendly FANUC control with barcode reader
- Data transfer over remote network connection, Ethernet and USB
- High processing capacity (127m/min in X axis)
- Ability to process oversize profiles with double stop system
- Automatic lubrication in processing area and of tools
- Auto safety barrier with large work viewing windows



All features and product specifications subject to change without notice



GARNET XS Profile Machining Centre



Precision starts here:

300 x 200mm Gantry with 12mm walls
rail supported on 5 x 300 x 100mm rails
100 x 100mm box section frame

2500kg

The best drives and guides:

Z axis router mount on 800 x 250 x 20mm steel plate

X axis movement via helical rack and pinion

(No backlash) Precise Servo drive.

Y: 35mm diameter lead screw

Z: 25mm diameter lead screw

Widely spaced, sturdy linear precision guides on all axis with built in manual lubrication function



All features and product specifications
subject to change without notice



GARNET XS Profile Machining Centre



Intelligent and Versatile – length oversize function.

Clever auto double stop system allows you to accurately process oversize length profiles up to 5000mm



All features and product specifications
subject to change without notice



GARNET XS Profile Machining Centre



Clamps: Solid, accurate and automatically positioned!

Clever auto repositioning of clamps by gantry saves time, effort and mistakes.

Triple linear guide system ensures clamps position smoothly and accurately and lock solidly.

Four heavy duty cast body clamps included.

Clamp opening adjustment is quick and easy too



All features and product specifications
subject to change without notice



GARNET XS Profile Machining Centre



Effective and energy efficient.

5.5kw, 24,000 RPM router – fast and versatile
Routing

Economical 8.5kw total power / 29 max Amp
max. Energy load

(Only 70l /min air consumption too)

Easy operation - high resolution Windows based Touchscreen

Modern crisp graphics

Familiar Windows based touch screen and
mouse interface

Remote access and data
transfer by Network
connection/ Ethernet or USB

Barcode reader / input –
standard

Powerful and internationally
serviced FANUC controller



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You're in control

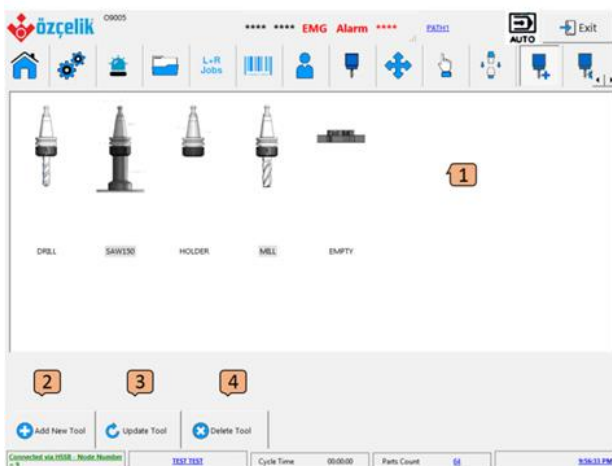
Some examples here of Control screens with functions explained:

1. HOME PAGE



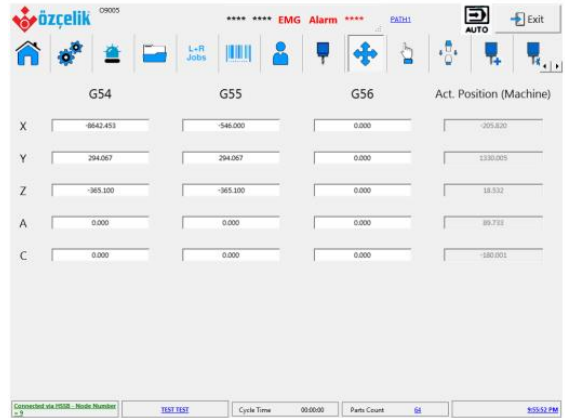
1. It displays the current axis positions of the machine.
2. It displays the program lines that are active on the machine.
3. It is used to set the G1, G2, G3 speeds of the machine.
4. Stop: It is used to stop the running program. If the button is pressed, the machine switches to standby.
5. Start: It is used to start the selected program.
6. Reset: The button is used to cancel the running program. If this button is pressed, the program is canceled and the machine stops running.
7. Single Block: If this button is selected, the operation of the activated program is divided into lines. After pressing the Start button, the machine stops after passing the active line and the Start button must be pressed again to continue.
8. Dry Run: This button is used to activate or deactivate the coolant.
9. The button is used to select the G0 speed of the machine at 0%, 25%, 50%, 100%.
10. This is the area where the profile image of the running program is displayed. If no profile image is available, the machine image is displayed.
11. Displays which operating mode the machine is in.

7. TOOL IMAGES

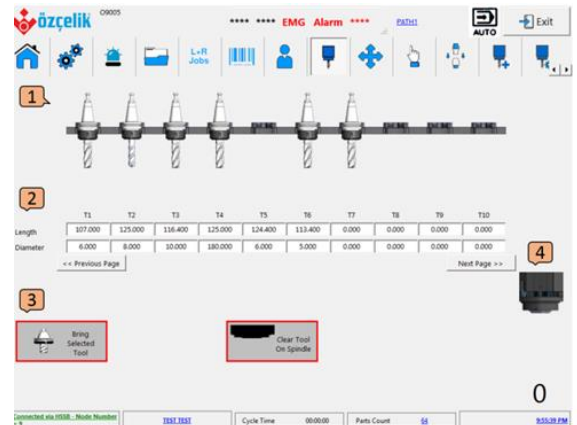


1. This is the area where the images symbolizing the tools to be defined on the machine are displayed.
2. It is used to upload the new tool image.
3. It is used to update the image file.
4. It is used to delete the images that have been loaded.

5. OPERATING POSITIONS

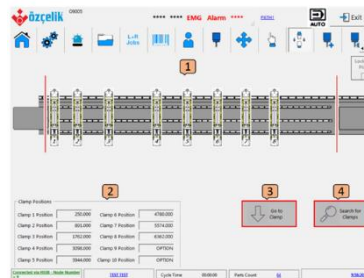


This is the page where the operating positions of the machine's X, Y and Z axes are displayed.



1. Displays the current positions of the tools on the machine.
2. This is the area where the lengths and diameters of the machine tools are written.
3. It is the button used to manually change the tool selected in line 1 to the active tool number.
4. This is the area where the active tool in the engine of the machine is displayed.

8. CLAMP PAGE



1. This is the area where the positions of the clamps in the machine are displayed graphically.
2. This is the area where the current positions of the clamps are displayed.
3. It is used to send the X axis to the selected clamp position.
4. It is used to scan the clamp positions automatically by the machine.

All features and product specifications subject to change without notice



GARNET XS Profile Machining Centre



Precise, well supported

Pneumatic fold up/down left/right
extra sturdy length stops

Support rollers, clean up air guns,
safety covers – safe and easy



Waste handling is efficient

Pull out swarf and of- cut tray at both ends
make collection and disposal of waste simple
and efficient



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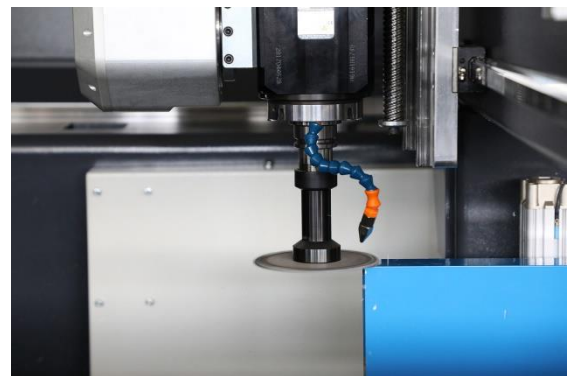
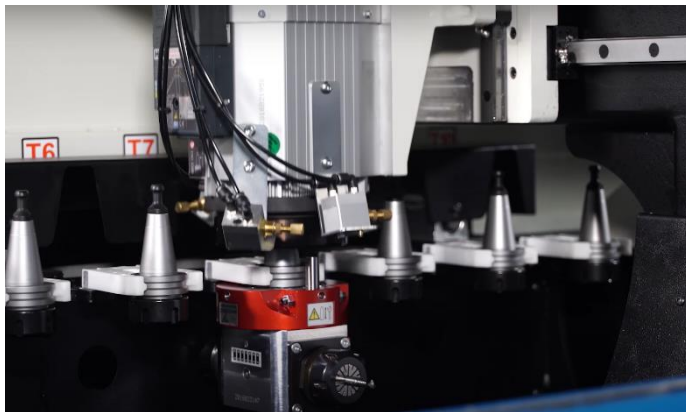
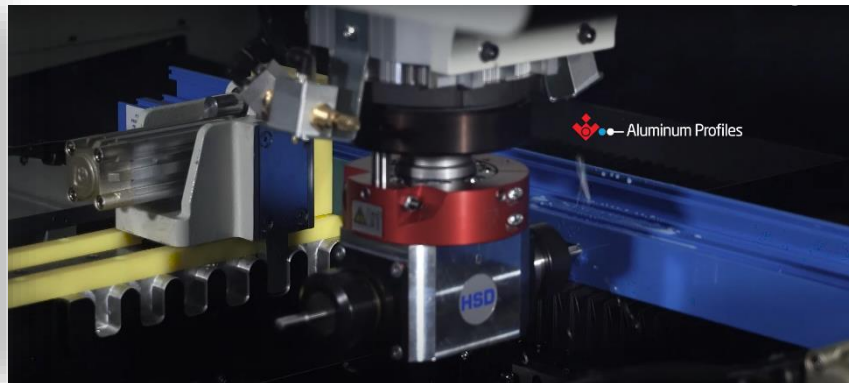
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8 Station auto tool change with auto tool length measuring

150mm diameter Saw, HSD aggregate and routing and drilling tools > loaded automatically.

5 ISO30 tool holders, saw and Aggregate all included



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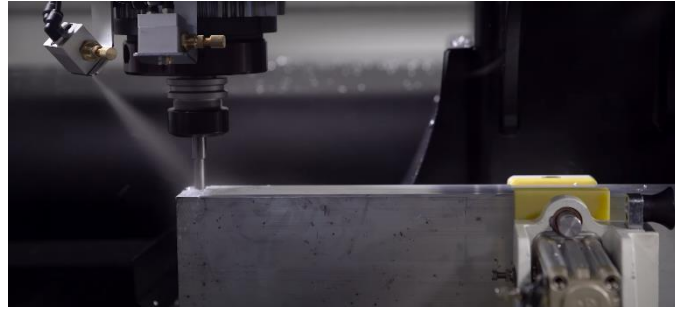


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Auto tool lubrication while you work

Another thing you don't need to think about!



Safe and effective

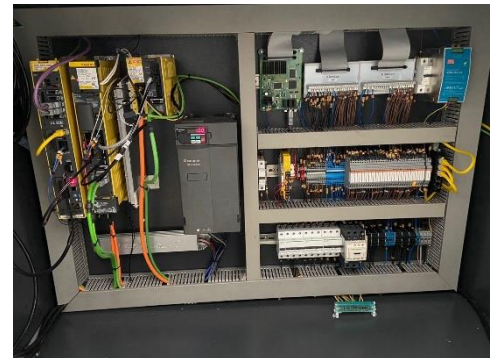
Auto retracting safety screens at front, multiple emergency stops, extra robust work clamping



Quality electrics, Inverter drive and pneumatics



All electrics and pneumatics built to the tough CE compliance standards



All features and product specifications subject to change without notice



GARNET XS Profile Machining Centre

Backup and Service for peace of mind



12-month
comprehensive
Warranty

Experienced Sales
advice and after sales
Service from LEDA

Spare parts inventory
on-hand



Specifications and technical features are subject to change.

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