



Asset-Trade

Assessment & Sale of Used Assets

Ref. No.: 1452-12181925

Overview and Technical Data:

**3x Used TOYODA FH 500j Horizontal Machine
Center for Sale**

TOYODA

TOYODA

Year of Build: Sep 2010



Description:

3x Used TOYODA FH 500j horizontal machine center for sale

CNC Controls Fanuc 32i

Technical Data of FH500J Horizontal Machining Center

- **Dimensions of Tool Holder:** 500 mm
- **Rotary Table Positioning Angle:** 0.001°
- **Table Height (Palette):** 1100 mm
- **Travel Ranges:**
 - X-Axis: 730 mm
 - Y-Axis: 730 mm
 - Z-Axis: 850 mm
 - Distance (Spindle Tip to Table Center): 100–950 mm
 - Distance (Spindle Axis to Top of Work Holder): 50–780 mm
- **Feed Rates:**
 - Rapid Traverse (X, Y, Z): 60 m/min
 - Rapid Traverse (B-Axis): 14400°/min
 - Cutting Feed (X, Y, Z): 0.001–30 m/min
- **Spindle:**
 - Speed Range: 50–15000 RPM
 - Diameter (Inner of Front Bearing): 80 mm
 - Spindle Nose Taper: ISO R297, Taper #40
- **Tool System:**
 - Number of Tools: 60
 - Tool Dimensions: Ø75 × 470 mm
 - Maximum Tool Weight: 8 kg
 - Tool Change Time: 0.9 sec (Tool-to-Tool)
- **Motors:**
 - Spindle Motor: 22/18.5 kW (15 min/Continuous Operation)
 - Hydraulic Pump Motor: 2.2 kW (4 HP)
- **Machine Size and Weight:**
 - Floor Area: 2330 × 4530 mm
 - Machine Weight: 13500 kg
- **Fluid and Air Requirements:**
 - Operating Oil: 18 L



- Spindle Cooling Oil: 15 L
 - Compressed Air: 800 NL/min (0.4–0.5 MPa)
 - **Electrical Connection:** 51 kVA
 - **Precision:**
 - Positioning Accuracy: ± 0.003 mm
 - Repeatability: ± 0.0015 mm
 - **Maximum Load:** 500 kg on the work table.
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Advantages of the FH500J Horizontal Machining Center

- **High Precision and Reliability**
 - Exceptional positioning accuracy of ± 0.003 mm and repeatability of ± 0.0015 mm ensures precise machining even for complex parts.
 - Durable construction supports a long service life with minimal downtime.
- **Versatile Machining Capabilities**
 - Supports high-speed spindle operations with a range of 50–15,000 RPM, suitable for cutting, drilling, and finishing various materials.
 - Wide tool capacity of 60 tools enhances flexibility for multi-operation jobs.
- **Efficiency and Productivity**
 - Rapid traverse speeds of 60 m/min (X, Y, Z) and a fast tool change time of 0.9 seconds reduce cycle times.
 - The robust table load capacity (up to 500 kg) accommodates large or heavy workpieces.
- **Compact and Space-Saving Design**
 - With a footprint of 2330 × 4530 mm, the machine fits efficiently in most manufacturing spaces while maintaining excellent functionality.
- **Advanced Motor Performance**
 - A high-powered spindle motor (22/18.5 kW) ensures smooth and powerful machining, even on tough materials.
 - High-speed rotary B-axis (14,400°/min) enables complex angular machining and 4-axis work.
- **Ease of Maintenance**
 - Optimized oil and air systems, with clear sight glasses and maintenance indicators, simplify daily checks.



- Built-in cooling systems for spindle and control ensure stable operation during long production runs.
- **Flexible Tooling and Standards Compliance**
 - Tool holders comply with JIS BT40 standards, ensuring compatibility with a wide range of tooling options.
 - Meets various safety and operational standards for global export and deployment.

Typical Usage Scenarios for the FH500J Machine

- **Automotive Industry**
 - Ideal for machining complex engine components, gear housings, and other critical automotive parts with high precision.
- **Aerospace Sector**
 - Suited for creating lightweight yet robust parts such as brackets, frames, and connectors with tight tolerances.
- **Industrial Equipment Manufacturing**
 - Supports the production of heavy-duty components like hydraulic pumps, motor housings, and gear assemblies.
- **Tool and Die Making**
 - Facilitates the manufacturing of molds, dies, and tooling equipment requiring intricate designs and surface finishes.
- **General Engineering**
 - Useful in workshops that cater to custom or batch production of machined parts for various industries.
- **Medical Device Manufacturing**
 - Provides the precision needed for creating surgical tools, implants, and diagnostic equipment components.



Technical Data:

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Control: Series 32i
Machine Hours: 92.450 hrs.
Spindle Speed: 15.000 rpm
Tool Holder: SK40
Tool Capacity: 60 x

Travels:

X-Axis: 730 mm
Y-Axis: 730mm
Z-Axis: 850 mm

Dimensions and Weight:

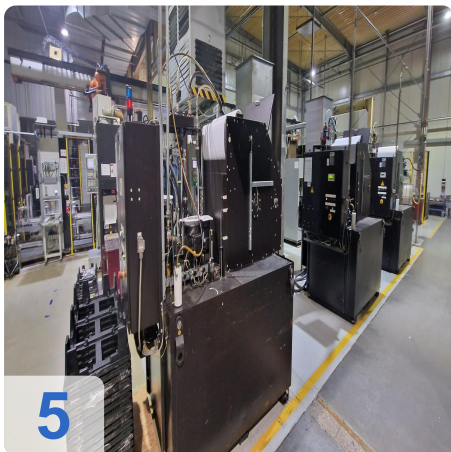
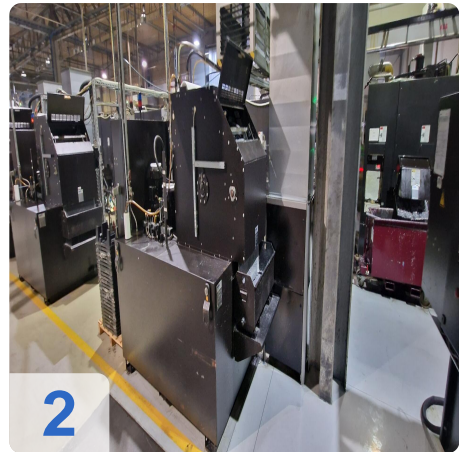
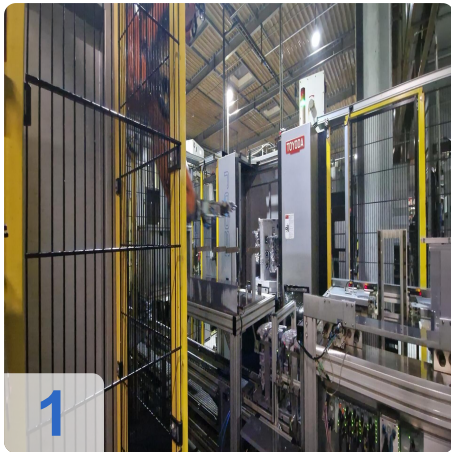
Width: 4.530 mm
Length: 2.330 mm
Weight: 13.500 kg

Buyer Information:

Condition: Very good condition
Availability: Immediately
Sold as:
EXW (Ex Works - Incoterm)
VAT: 19 %
Buyers Premium: 18 %
Location: Germany



Images:





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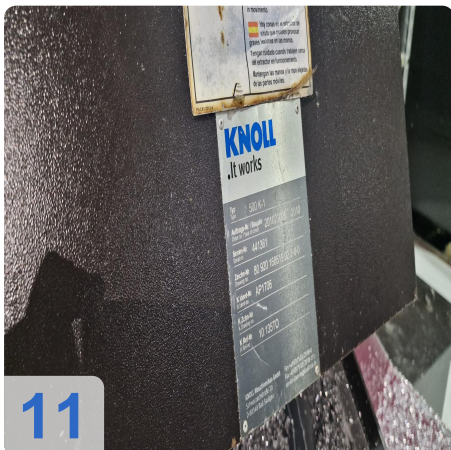
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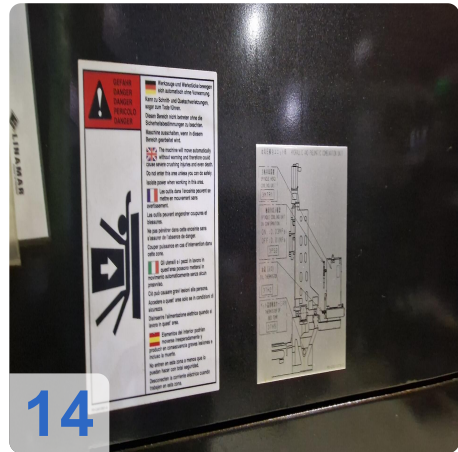
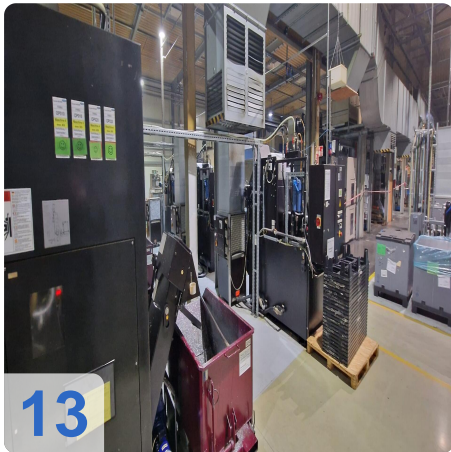
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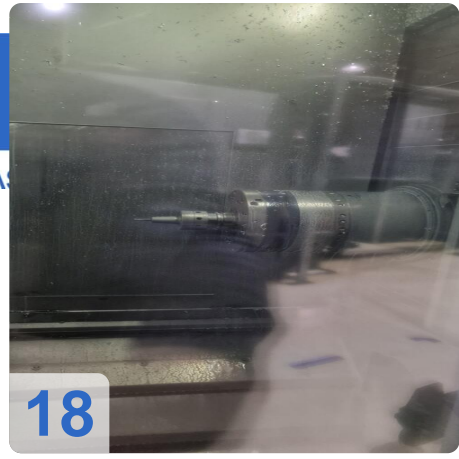




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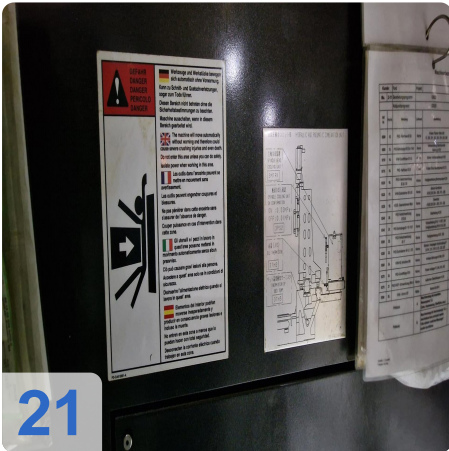
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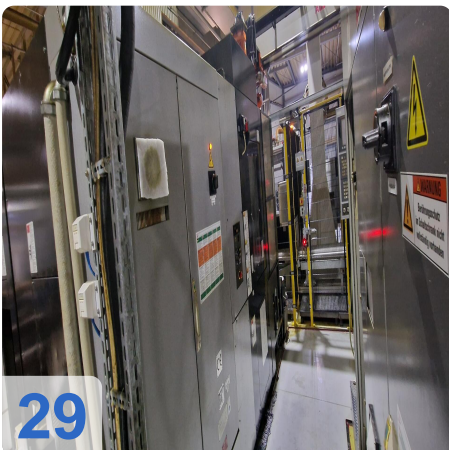
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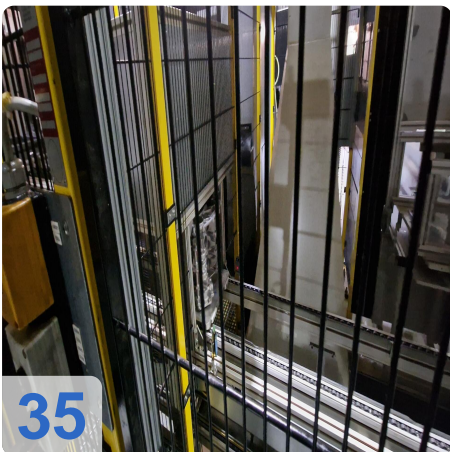
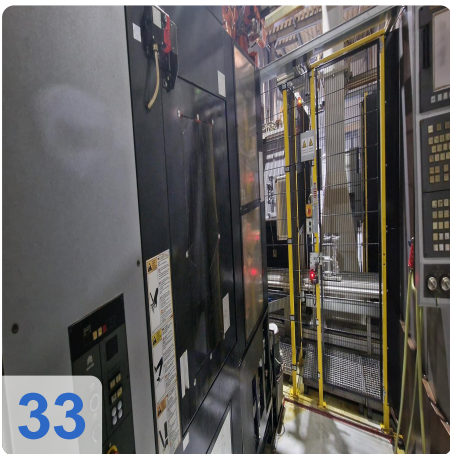


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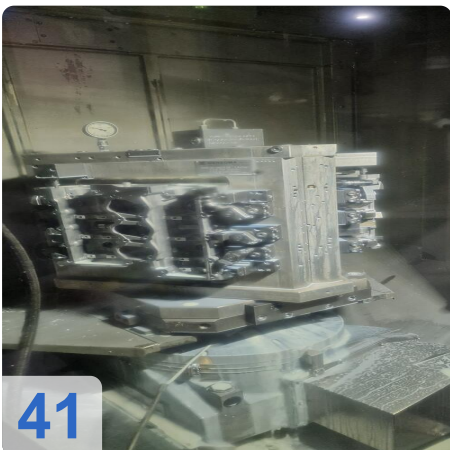
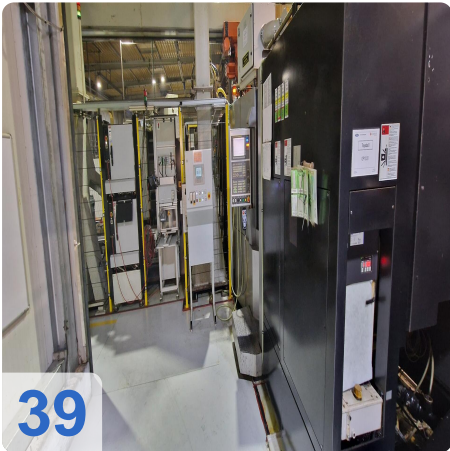
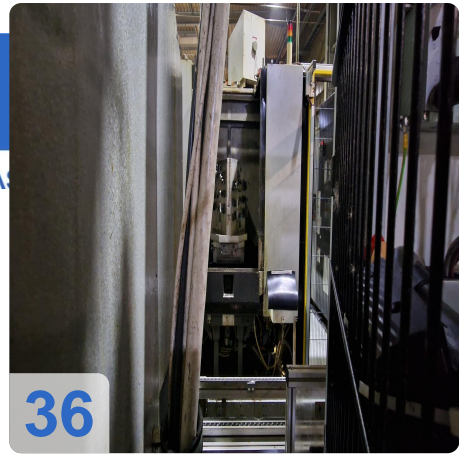




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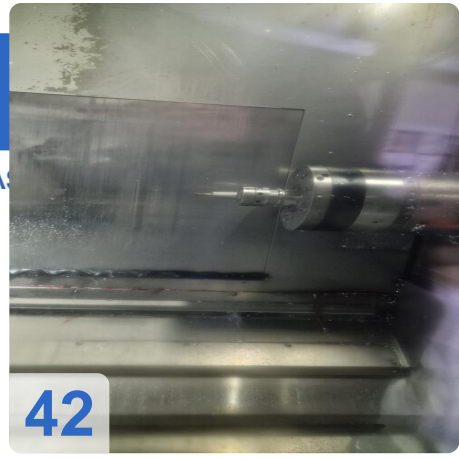




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