



# 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:  $\pm 0.003$  mm
    - Repeatability:  $\pm 0.0015$  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  $\pm 0.003$  mm and repeatability of  $\pm 0.0015$  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:

### Technical Data:

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:

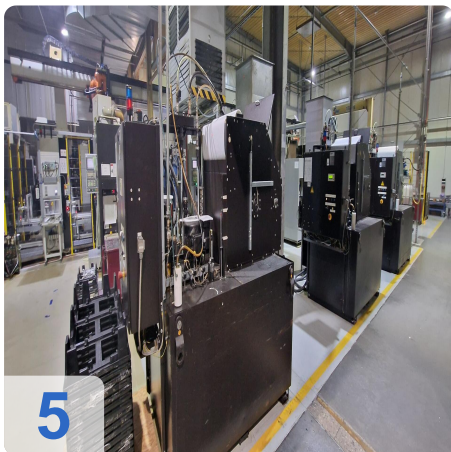
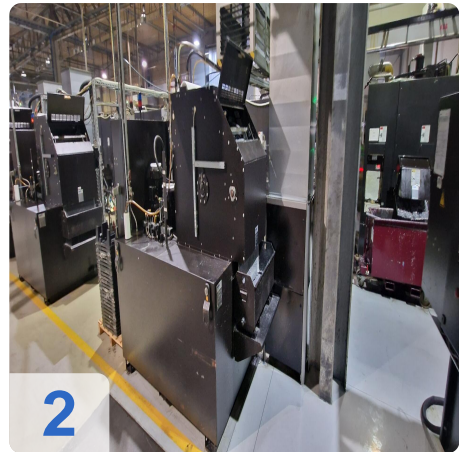
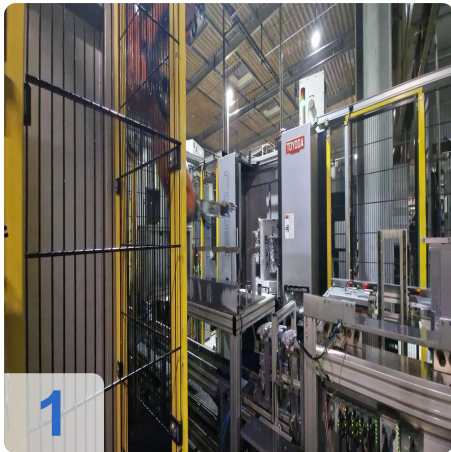
Width: 4.530 mm  
Length: 2.330 mm  
Weight: 13.500 kg

### 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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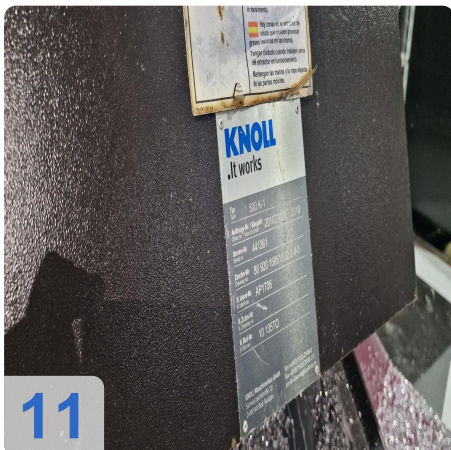
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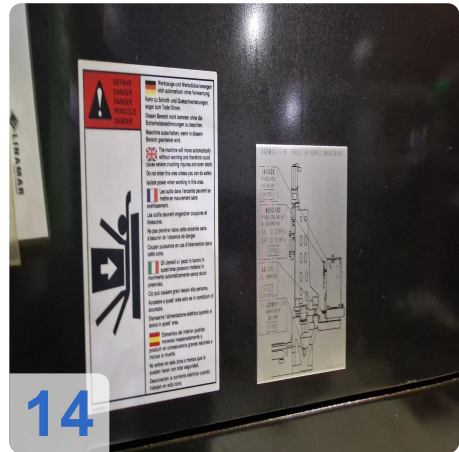
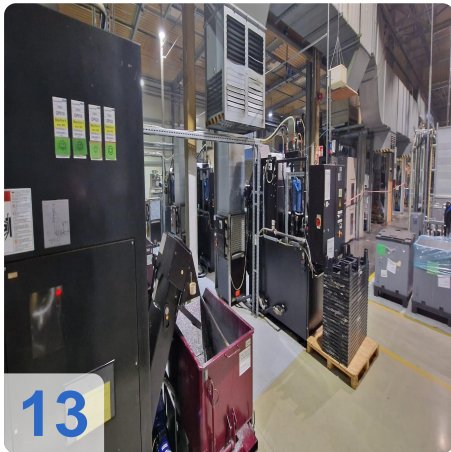
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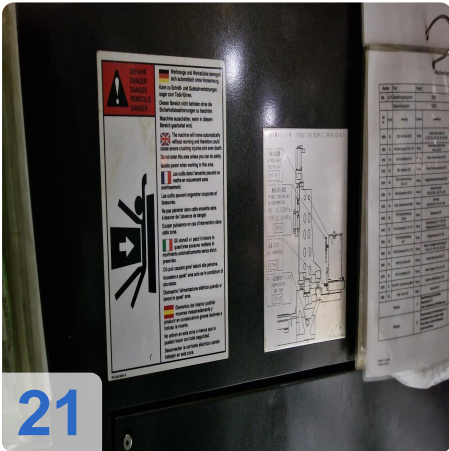
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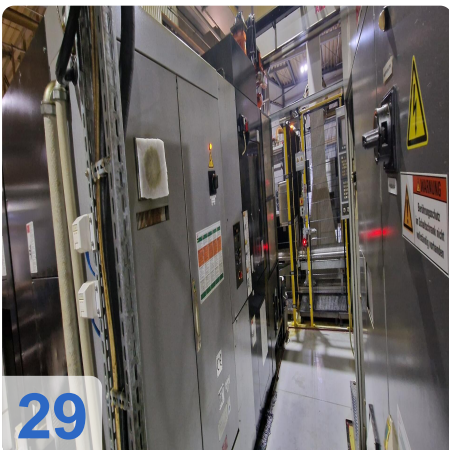
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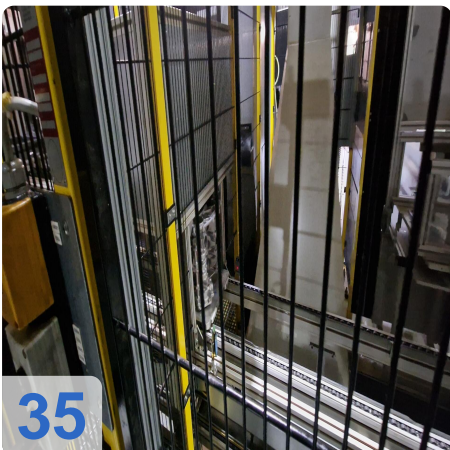
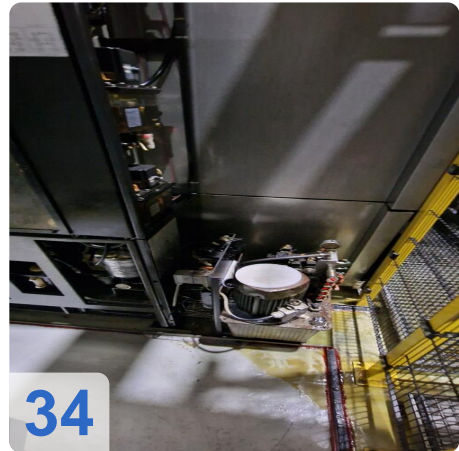
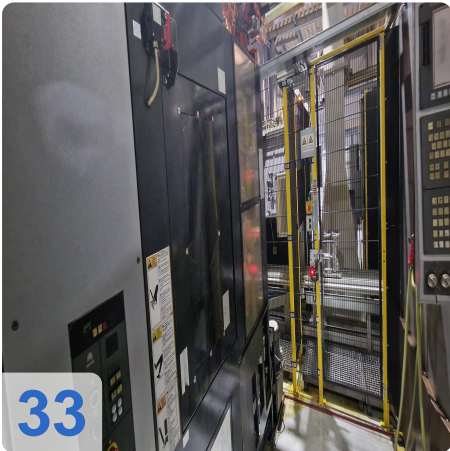


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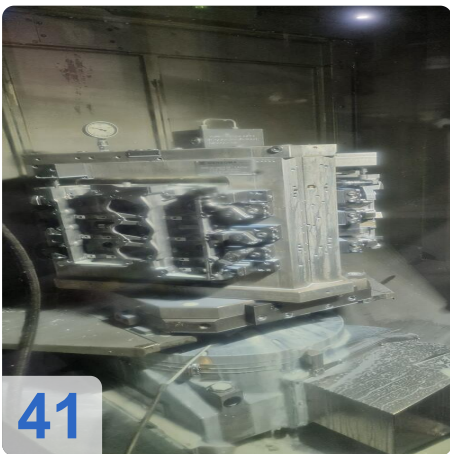
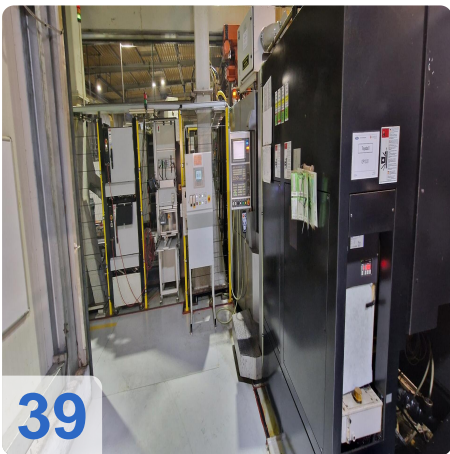
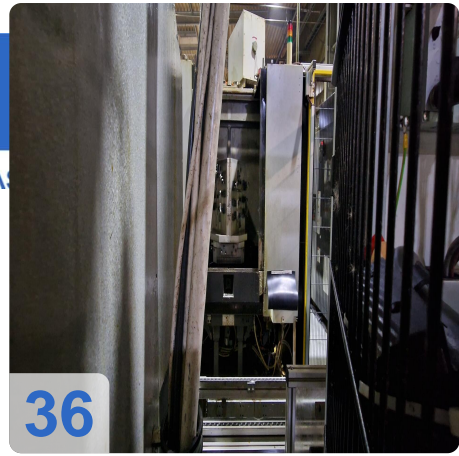




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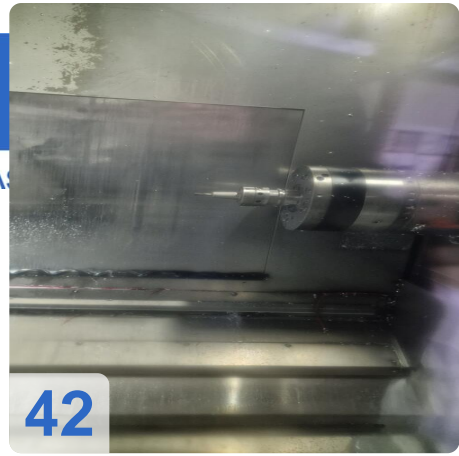




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# Asset-Trade

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**Asset-Trade**

**Assessment and Sale of Used Assets world  
wide**

**Am Sonnenhof 16**

**47800 Krefeld**

**Germany**

**Tel.: +49 2151 32500 33**