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

Year of Build: Sep 2010

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Description:

Buy 3x used TOYODA FH 500j horizontal machining centers - High precision and efficiency

Are you looking for high-quality used horizontal machining centers? The used TOYODA FH 500j are ideal for precise machining and versatile applications in various industries. These TOYODA FH 500j horizontal machining centers offer exceptional performance and reliability for your manufacturing needs.

CNC control: Fanuc 32i for precise control and efficient machining.

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 for different machining requirements:**
  - 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)

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- **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.

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**

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    - 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.

Why buy a TOYODA FH 500j horizontal machining center?

The used TOYODA FH 500j offers excellent performance and precision for all types of machining projects. Whether you are looking for used horizontal machining centers in Germany or starting a new project, this used horizontal machining center is a reliable and cost-effective solution for your production needs.

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Optimize your production with a used TOYODA FH 500j horizontal machining centre from our industrial machinery dealers. Take the opportunity to increase your efficiency with a durable and powerful horizontal machining center.

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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:

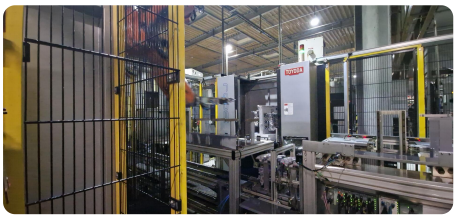
Width: 4.530 mm
Length: 2.330 mm
Weight: 13.500 kg

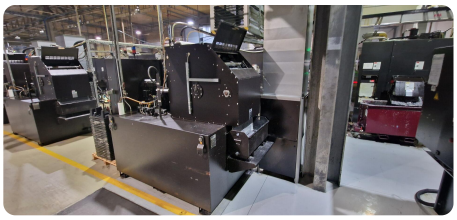
Buyer Information:

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

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Images:





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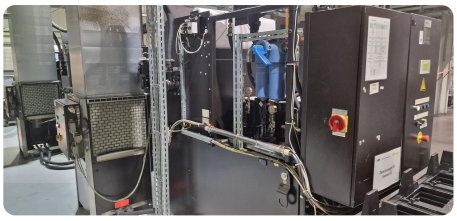


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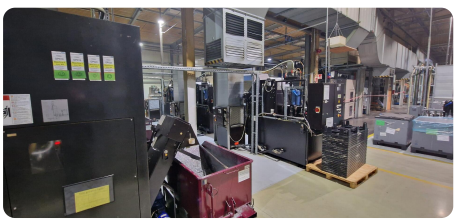


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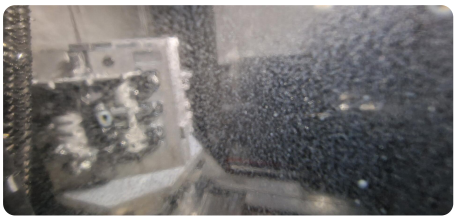
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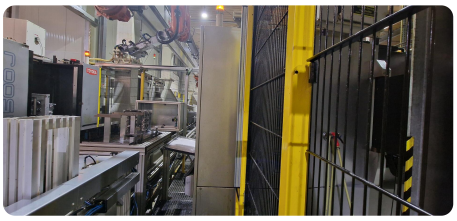
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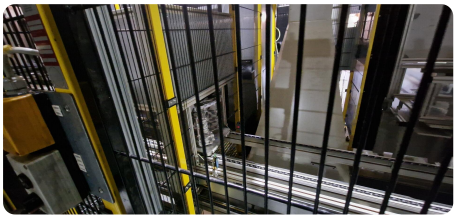
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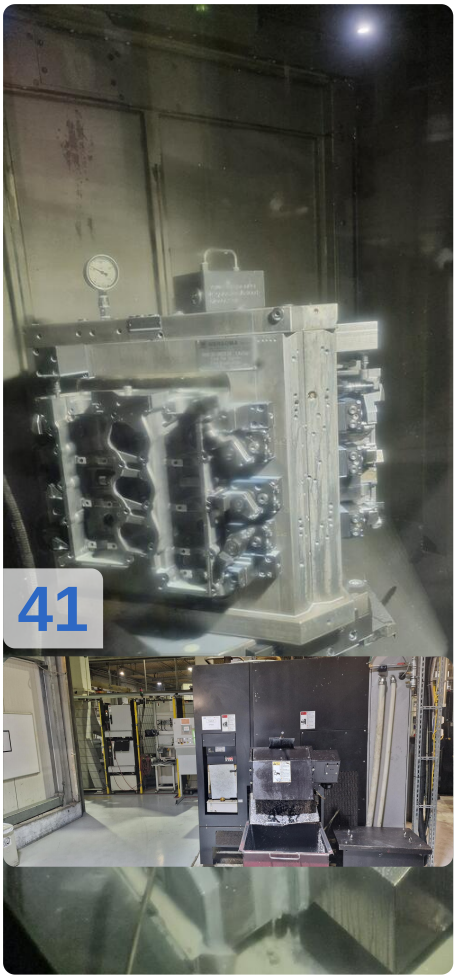


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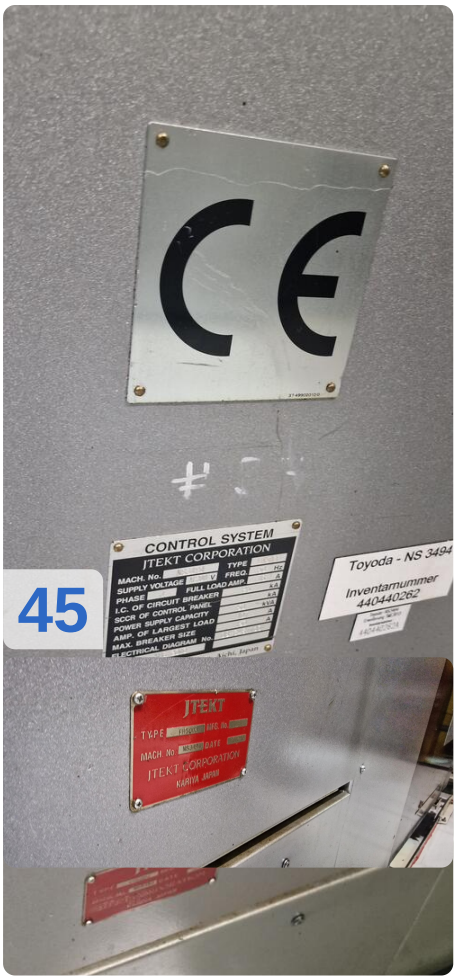


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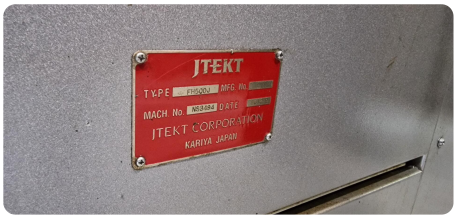
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Video:



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Assessment and Sale of Used Assets world wide

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