



# Asset-Trade

Assessment & Sale of Used Assets

Ref. No.: 1237-09130739

## Overview and Technical Data:

**POSmill H 800 U - 5 Axis universal Machine Center**

**POSMILL**



Year of Build: Jan 2019



## Description:

### Used POSmill H 800 U - 5 axis machining center with full options

Operating hours: On 5,564 / spindle 1,859 hours.

CNC control Heidenhain TNC 640

#### Technical data

- Travels
    - x-axis: 670 mm
    - y-axis: 820 mm
    - z-axis: 600 mm
  - distance spindle/table: 120-720\* mm
  - tilt range: +120 / -120 degrees
  - rotary table: 360 endless degrees
  - Table
    - diameter: 800 mm
    - load, max.: 1.200 kg
    - T-slots: 9 number / 90 mm
  - Feeding system
    - rapid traverse: up to 60 m/min.
    - Revolutions A-axis: 50
    - Revolutions C-axis: 100
  - Drive spindle
    - Tool holder: HSK A63
    - Speed, max.: 18,000 rpm
  - Tool changer
    - Places: 64 standard max
    - Tool length, max.: 300 mm
    - Tool weight, max.: 8 kg
    - Change time: from 8.5 sec
  - Connected loads
    - Electrical: 90kVA, 400 V
    - Back-up fuse: 125 A
    - Pneumatic: 6 bar
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## **Mechanical engineering**

A typical gantry design forms the basis of the H series. This basic design results in many accessibility advantages. On the one hand, optimum accessibility is created for the operator. With this design, the operator stands directly at the table. Furthermore, the 96 tools are placed directly from the opposite side and loading can take place from above. Of course, with the massive dimensioning of 20 tons of machine weight, the best tool life is achieved with maximum workpiece weights of 1.2 tons.

## **Milling head**

The so-called back-sit method reduces the tilting moments to a minimum, so that the best flatness is achieved for large parts. In addition, vibrations and resonances are absorbed, resulting in greatly improved tool life. Combined with grid technology, the milling head meets these requirements with the best dynamics and durability.

## **Control loop**

Of course, we remain loyal to our supplier Heidenhain in full line for you in the H-series as well. Even in the Y-axis we drive with two Heidenhain motors and monitor the positions with two glass scales to eliminate torsion.

## **Force management**

35 kW power in the spindle and linear drive forces of 1.75 tons ensure large reserves even with critical materials. The support elements in the guide shoes themselves are not just balls, but high-quality rollers, so that force transmission takes place at the highest level.

## **Feed system**

The direct drive in all axes is designed with oversized ball screws of  $\varnothing$  45 mm. Acceleration to the rapid traverse rate of 60 m/min. is achieved in the shortest possible time. This is done at a very low thread pitch in order to be able to position reliably.

## **Guide system**

The linear roller guides used offer the best reproducibility combined with a long service life. In this machine class, the 45 mm guide dimensioning ensures extremely long tool life and power reserves for emergencies. The wide guideways in all axes ensure consistent results, even with eccentrically clamped workpieces.



## Technical Data:

### Technical Data:

Control: TNC 640  
Machine Hours: 5.564 hrs.  
Spindle Hours: 1.859 hrs.  
Spindle Speed: 18.000 rpm  
Tool Holder: HSK-A63  
Tool Capacity: 96 x

### Travels:

X-Axis: 670 mm  
Y-Axis: 820mm  
Z-Axis: 600 mm

### Dimensions and Weight:

Height: 3.500 mm  
Width: 5.000 mm  
Length: 4.150 mm  
Weight: 20.200 kg

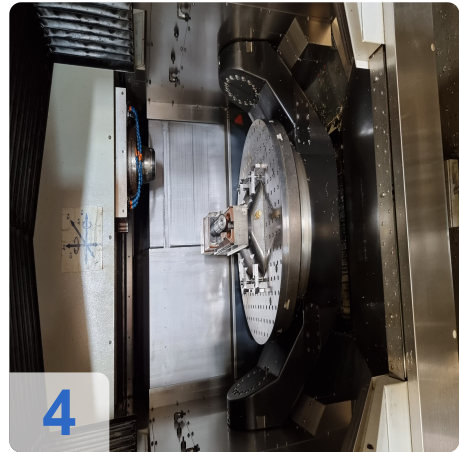
### Buyer Information:

Condition: Very good condition  
Availability: Sold  
Sold as:  
EXW (Ex Works - Incoterm)  
VAT: 19 %  
Buyers Premium: 16 %  
Location: Germany





## Images:

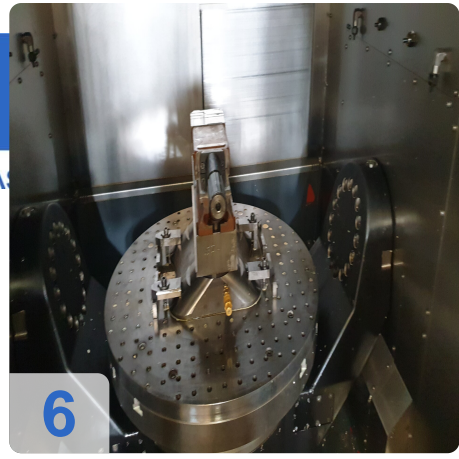




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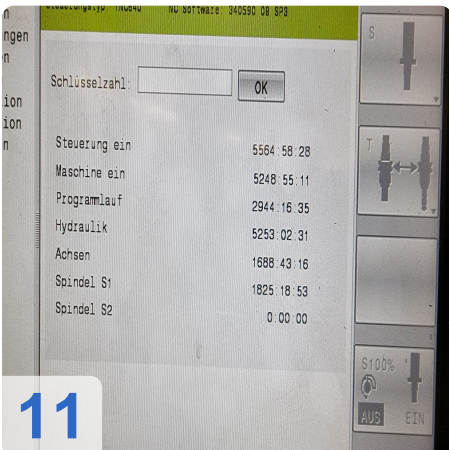
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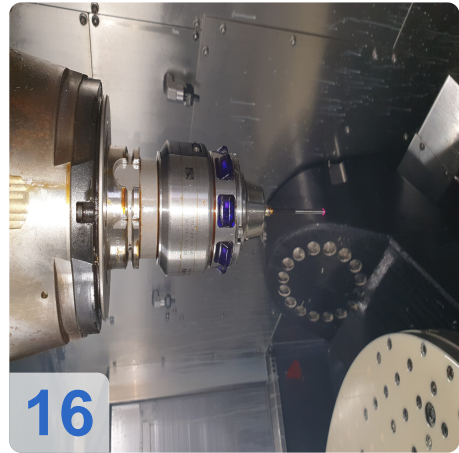




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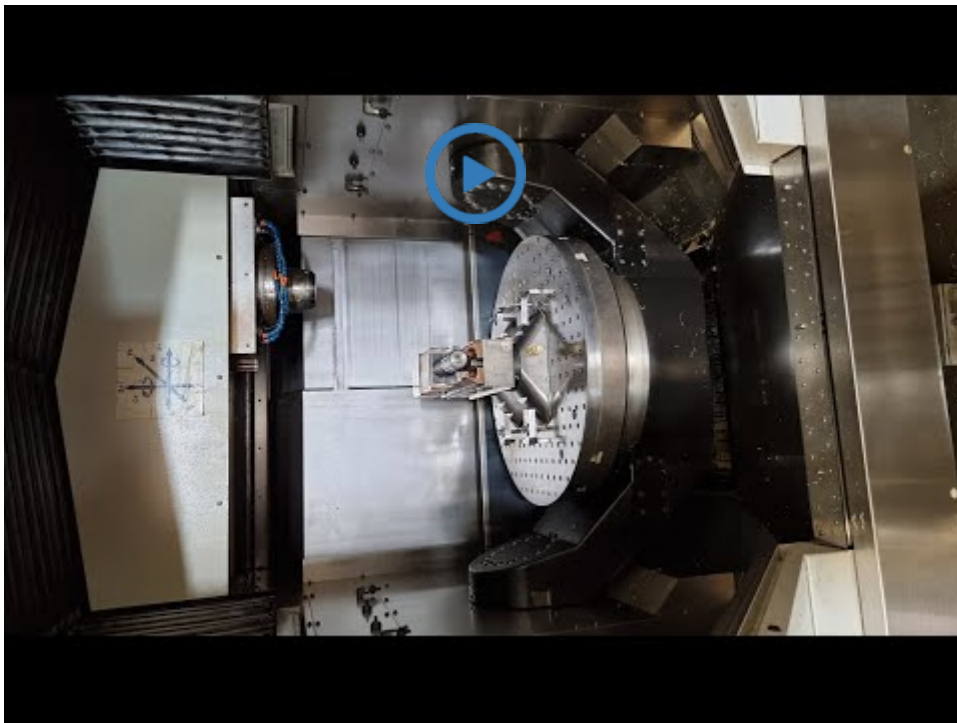
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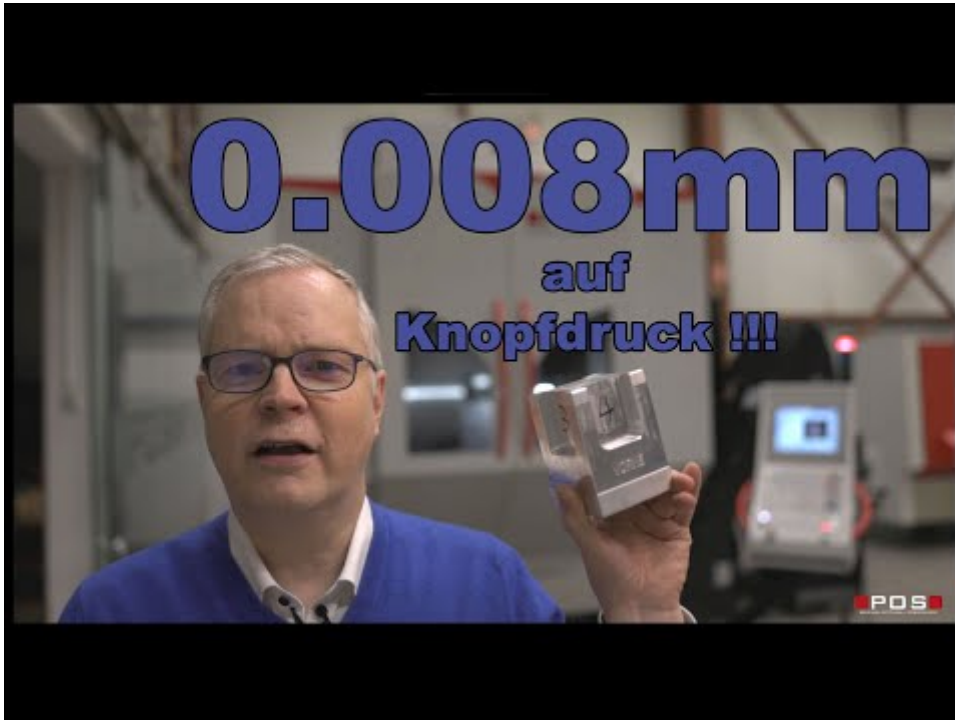




Video:









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wide**

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