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Ref. No.:
1150-12111949

Overview and Technical Data:

WEIPERT - HFS 1000 x 500 Surface Grinding Machine

WEIPERT



WEIPERT
PRECISIO

Year of Build:
Jan 2017

Description:

Used Weipert HFS 1000 x 500 Surface Grinding Machine

Technical Data

- Feed depth Y-Axis 0,005 - 0,04 mm
- Travel 1000 x 500mm
- Spindle speed (50 Hz) 1.450 1/min
- Distance spindle nose - Table 590 mm
- Main Drive 7,5 kW
- Travel X-Axis 1140 mm
- Grinding Wheel dimension 355x40x127 mm
- Travel Y-Axis 540mm
- Machine dimension (LxBx H) 4,45x2,2x2,2 m
- Feed speed X-Axis 5 - 25 mm/min
- Weight 5.000 kg
- Automatic feed Z-Axis 0,5 - 12 mm/min

Further information

- The rigid, wide work table moves only on one axis - this design allows for an extra-long table guideway on a very wide machine base, ensuring perfect load distribution at both travel end positions.

- V-guides and boxways are counter-laminated with Turcite B ensuring smooth table movement at any load.
- Column moves in the Z axis on hand-scraped, counter-laminated V-guides and boxways ensuring total elimination of any stick-slip effect.
- The grinding spindle moves only vertically - this design ensures 100% exact grinding wheel feed with maximum angular precision across the entire work area.
- Hydraulically operated linear table movement, infinitely variable, high consistency, and soft reversal of direction the stand-alone hydraulic unit is easy to maintain and mechanically and thermally separated from the main machine frame to ensure the most constant working conditions possible.
- Large grinding spindle, dynamically balanced, completely sealed with permanent lubrication
- Grinding spindles are carefully assembled by experienced professionals in air-conditioned clean rooms using selected precision bearings.
- Once the machine is put into operation, the automatic central lubrication system supplies all guides and preloaded ball screws with the correct amount of oil.
- Optionally, all models can be equipped with a mechanical grinding wheel dresser that can be used at any grinding height and column position - this reduces unnecessary down-times.

Technical Data:

Technical Data:

Control:

[CNC](#)

Dimensions and Weight:

Height:

2.200 mm

Length:

4.450 mm

Width:

2.200 mm

Weight:

5.000 kg

Buyer Information:

Condition:

[Very good condition](#)

Available:

[Sold](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

[19 %](#)

Buyers Premium:

[16 %](#)

Location:

Germany

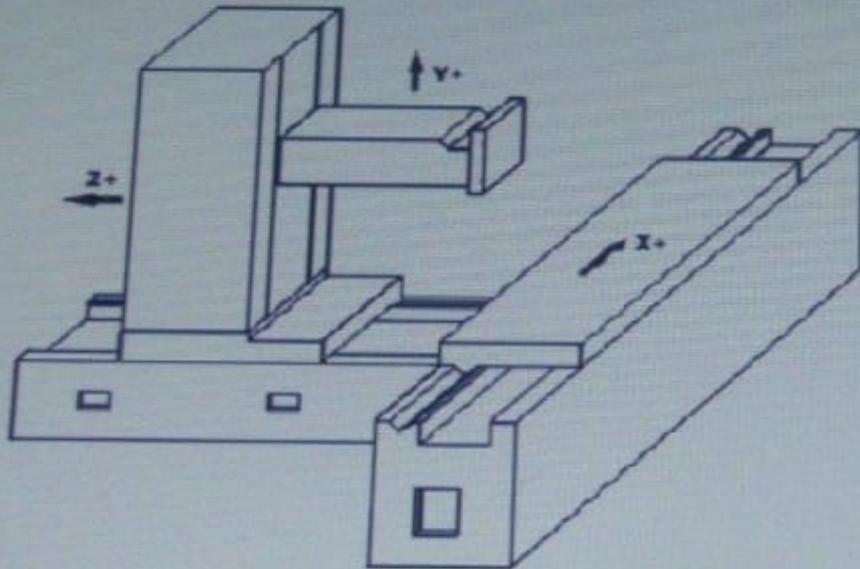
Images:



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Coordinate Define

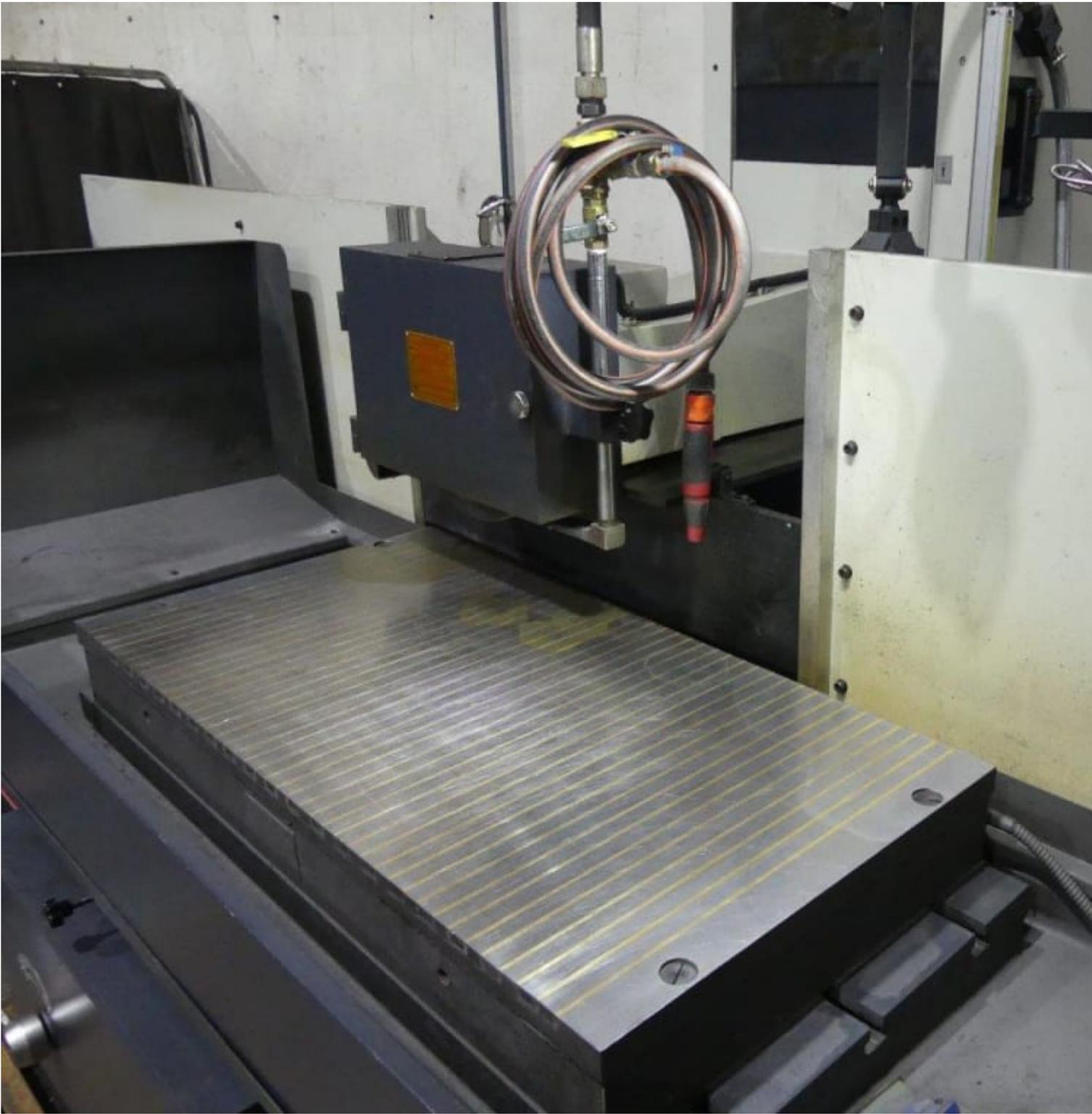


Axis X+ : R
Axis X- : L

Axis Z+ : U
Axis Z- : F

Axis Y+ : A
Axis Y- : D

Press into System Home Page









MODEL
TABLE LENGTH
TABLE WIDTH
SERIAL NO.
PARTS

Quantity 080



✳ Close: First cooling water, then

SURFACE GRINDING

MODEL:

H

TABLE LENGTH:

1

TABLE WIDTH:

5

SERIAL NO.:

1

DATE:

2



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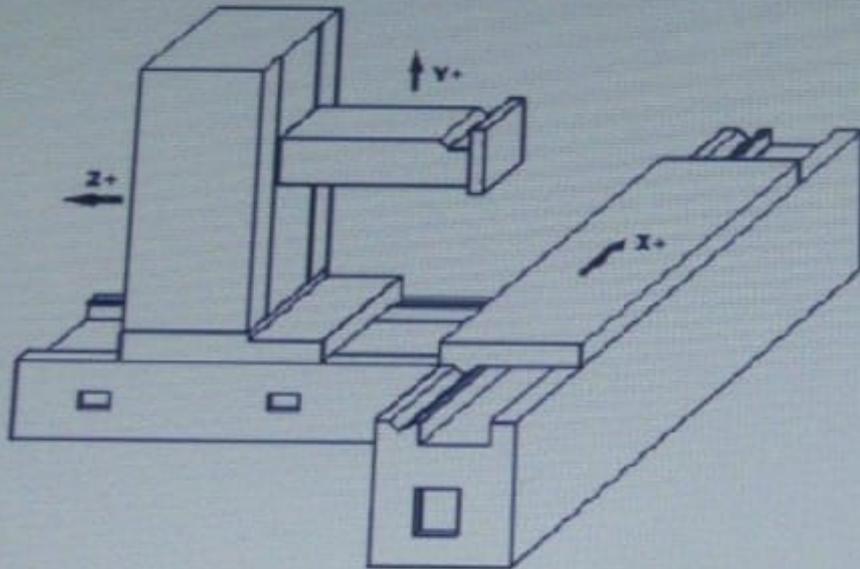
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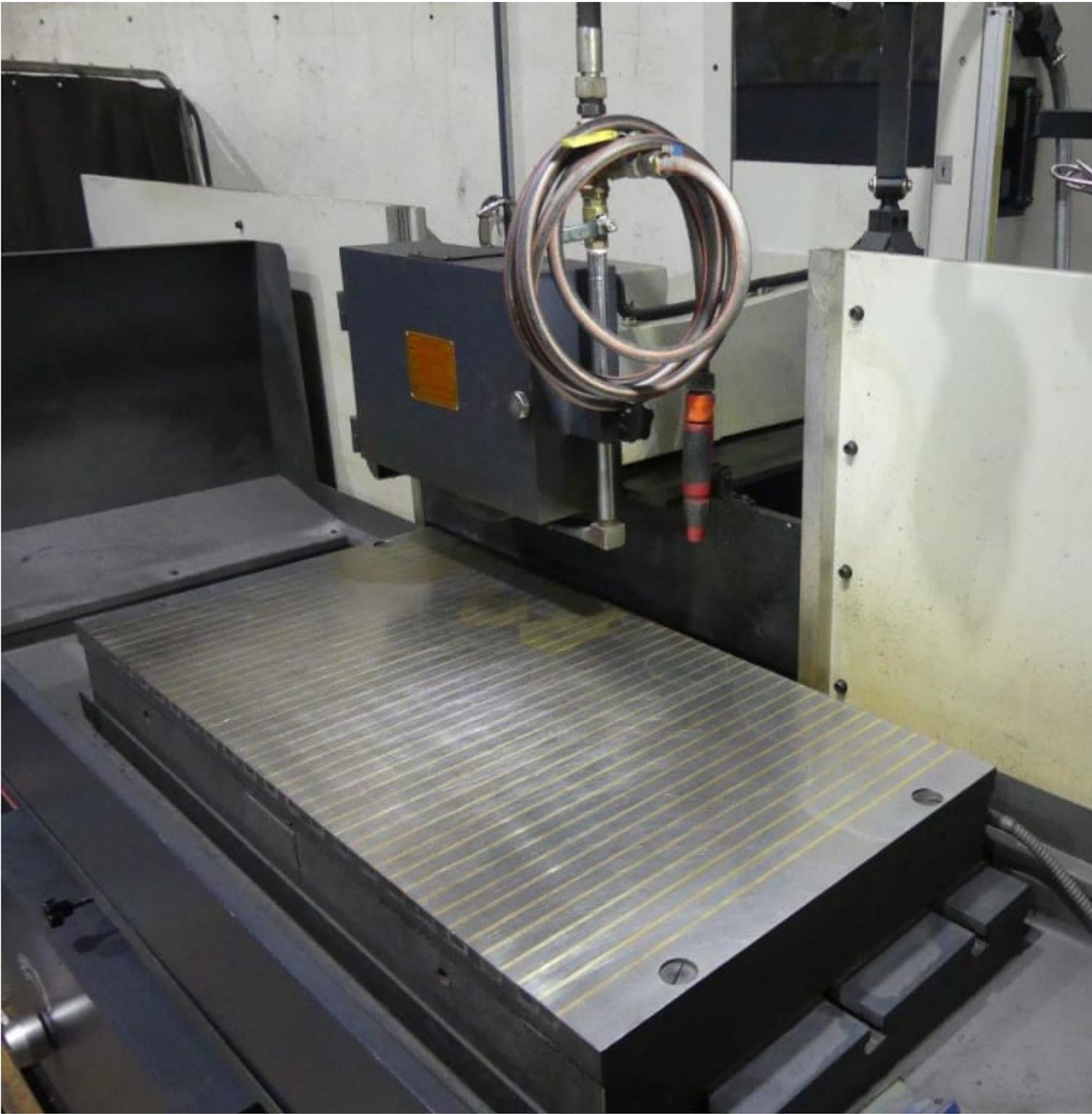


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