



Ref. No.:

1150-12111949

## Overview and Technical Data:

# WEIPERT - HFS 1000 x 500 Surface Grinding Machine

## WEIPERT



WEIPER  
PRECISION

Year of Build:

Jan 2017

## Description:

# Used Weipert HFS 1000 x 500 Surface Grinding Machine

## Technical Data

- Feed dept 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:

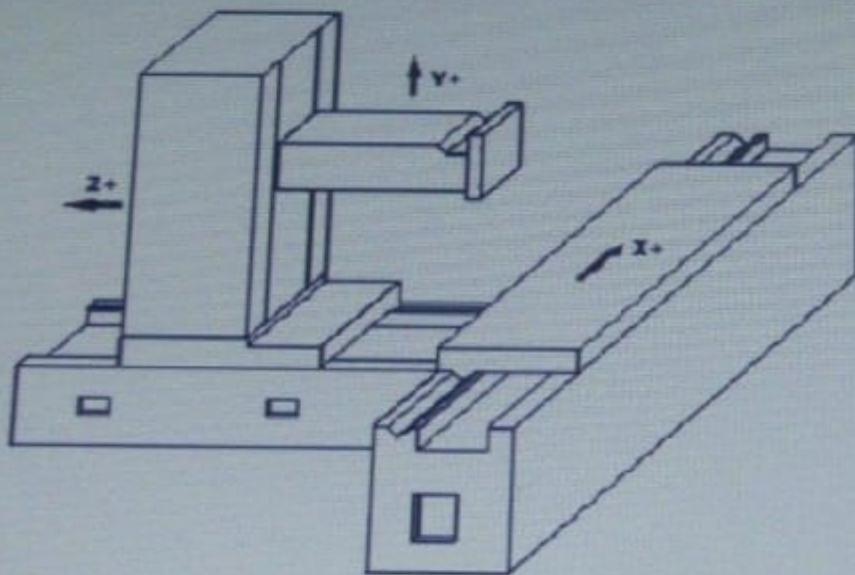
Germany

## Images:





## Coordinate Define



Axis X+:I

Axis X-:L

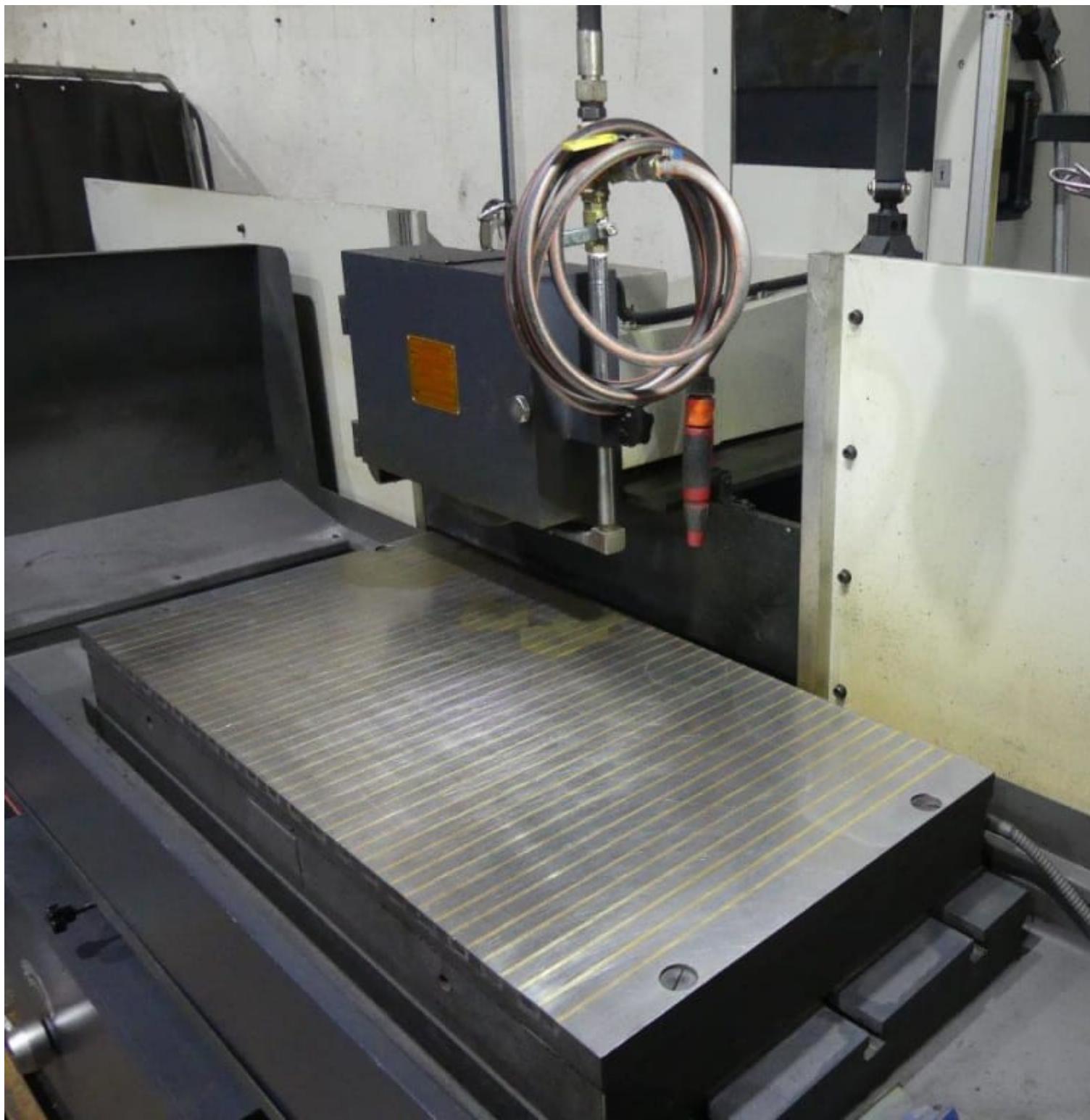
Axis Z+:F

Axis Z-:F

Axis Y+:D

Axis Y-:D

**Press into System Home Page**













\* Close:First cooling water,then

# **SURFACE GRINDING**

**MODEL:**

**TABLE LENGTH:**

**TABLE WIDTH:**

**SERIAL NO.:**

**DATE:**

H

10

5

1

2



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### **Images:**

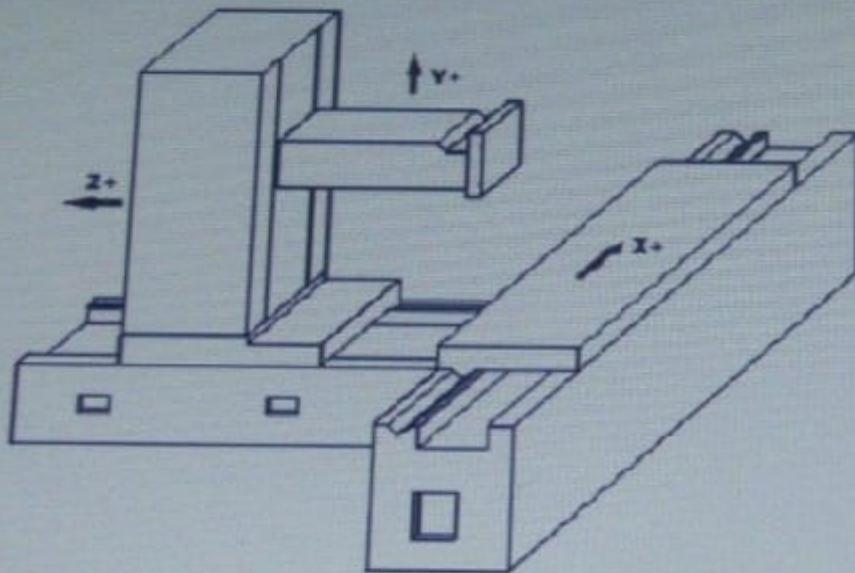
HFS1000x500

Weber

2



## Coordinate Define



Axis X+:I

Axis X-:L

Axis Z+:F

Axis Z-:F

Axis Y+:D

Axis Y-:D

**Press into System Home Page**













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