



SKU : 824906

DEMO MACHINE

Construction year 2020, demonstration machine, as good as new with slight traces of paint and use

The HFS models are typically used in toolmaking, repair shops and in training for manual surface grinding. Ease of use and high production reliability are some of the advantages of this series. The standard position indicator also facilitates the precise placement of the grinding wheel.

- Magnetic table and built-in demagnetization feature
- Vertical axis with ball screw and servo motor for high precision
- Easy auto-mode programming
- Extensive standard equipment package

TECHNICAL SPECS

WORKING AREA

Workpiece weight (max.)	700 kg
Spindle nose-to-table surface distance	580 mm
Table dimensions	400 mm x 800 mm
Scale ring division Y-axis	0.005 mm
Scale ring division Z-axis	0.02 mm
Autom. transverse feed Z-axis	0.5 mm - 10 mm
Speed	1450 1/min

TRAVELS

Travel X-axis	850 mm
Travel Y-axis	440 mm

FEED

Hydr. feed X-axis	7 m/min - 25 m/min
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DRIVE CAPACITY

Motor rating main drive	5.5 kW
Motor rating hydraulic pump	2.2 kW

MEASURES AND WEIGHTS

Grinding wheel dimensions	355 mm x 40 mm x 127 mm
Overall dimensions (length x width x height)	2.72 m x 2.16 m x 2.2 m
Weight	2800 kg



PRODUCT DETAILS

- Heavy cast-iron machine frame provides a rigid, torsion-proof structure and features dual V-guides for transverse motion and combined V-guides and box ways for linear motion
- Large work area and high table load capacity ensure high-precision machining of large and heavy workpieces
- Extremely quiet operation and minimal heat build-up for optimum work results under continuous operating conditions
- Feature manual grinding-wheel feeds

Grinding spindle

- Large grinding spindle, dynamically balanced, completely sealed with permanent lubrication
- Preloaded precision-bearings ensure maximum grinding performance and high reliability over many production hours

Hydraulics

- Hydraulically operated linear table movement, infinitely variable, high consistency, and soft reversal of direction
- External hydraulic unit with oil cooler unit ensures perfect temperature stability

2-Axis position indicator

- More accuracy
- Lower error rate
- Increased productivity
- Automatic spark-out strokes at the end of every automatic grinding cycle
- Resulting in valuable time savings
- For increased productivity
- Easy to read display
- Operator-specific features
- Convenient keyboard layout
- Resolution: 0.01/ 0.005 mm
- Default coordinates
- Axis position is maintained when display is turned off
- Calculator function
- Mm/inch conversion
- Easy expansion and maintenance-free operation
- Display for Z axis and Y axis

STANDARD EQUIPMENT

2-axis position indicator X.Pos 3.2
 Grinding wheel flange
 Coolant system
 Balancing shaft
 LED work lamp
 Magnetic clamping plate
 Adjustment screws
 Operating tools
 Operator manual



KNUTH on YouTube

Information to the point

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**Are you interested in a machine for which you cannot find a current video?
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