

Machine - Datasheet

Machinetype: Bed, milling and drilling centre
 Make: SORALUCE
 Type: TAA-D 25
 New in: 2006
 Control: Heidenhain iTNC 530
 Term of delivery: On request
 Quotation: Ex works



Technical details

Dimension

Travel distances

Longitudinal (X): 2500 mm
 Vertical (Y): 1250 mm
 Transverse (Z): 1000 mm

Table size (rotatable):

Length: 1000 mm
 Width: 1000 mm
 Max. table load: 5000 kg
 T-slots: 6 x 22 mm H10

Drive power: 100% duty cycle kW 24

Tool holder: ISO 50, DIN 69871 - AD

Speeds: 120 – 4000 min⁻¹

Torque: 479 Nm

Feed range: X, Y, Z axis 10 – 10,000 mm/min

Rapid traverse: X, Y and Z axis 25,000 mm/min

Weights: approx. 15,000 kg

Equipment:

- Internal coolant supply according to DIN 69871 Form AD including minimum quantity lubrication with 15 different dosages via M functions programmable: 20 bar
- NC **rotary** table, size 1000 x 1000 mm as **4th axis** integrated into the machine control system. Max. transport load 5000 kg, positioning accuracy ± 5", table surface with 22 T-slots
- Chip conveyor for TA-D 25
- Tool changer

Accessories

- Front-mounted sliding control pendant including Heidenhain iTNC 530 control (1 processor)
- Portable electronic handwheel HR 420 with 3 m spiral cable (optional)
- 3D thermal expansion compensation
- Automatically indexing milling head/2 levels with 2.5° pitch (H200) (optional)
- Distance from spindle nose to table edge 250 mm
- NC rotary table, size 1000 x 1000 mm, integrated into the machine control as 4th axis.
Max. transport load 5000 kg, positioning accuracy $\pm 5''$, table surface with 22 T-slots.
- Coolant system with 150 litre tank capacity, delivery pressure 5 bar, delivery rate 50 l/min,
Outlet via shower ring around the machine spindle
- Splash guard cabin, closed on 4 sides with sliding doors at the front and
additional sliding door on the left-hand side of the stand and viewing windows on all 4 sides.
- Heidenhain drive motors in all axes with digital drive technology.
- INA linear roller guide system in all axes
- Direct linear measuring system Heidenhain in all axes
- Telescopic covers for the guides of the X-axis
- Ball screws in the X, Y and Z axes
- Automatic cycle lubrication for all axes and moving parts
- Electrical equipment manufactured by Siemens
- Hydraulic system manufactured by Vickers