

Machine - Datasheet

Machinetype: CNC Travelling Column Milling Machine
 Make: SORALUCE
 Type: SORAMILL FR 6000
 New in: 2004 – Retrofit 2015
 Control: HEIDENHAIN iTNC 530
 Origin: Spain
 Term of delivery: by arrangement
 Quotation: ex works



Technical details

Dimension

Travels:

X-axis (lengthwise): 6.000 mm
 Y-axis (cross): 1.500 mm
 Z-axis (vertical): 3.600 mm
 W-axis (Table): 2.000 mm

Spindle speeds in 2 steps: 20 up to 4.000 rpm
 Torque: 1.410 Nm
 Clamping force: 20.000 N
 Feed rates X/Y/Z: 2 up to 12.000 mm/min
 Rapid traverse X-/Y- and Z-axis: 20.000/15.000/25.000 mm/min
 Drive of the milling spindle at 100% ED: 37 kW

EQUIPMENT:

CNC-controlled hydrostatic rotary and sliding table,
 Brand: RÜCKLE, Type: PKTF 8, Year of construction: 1996
 -Clamping surface: 2.980 x 3.500 mm
 -V-axis: 2.000 mm
 -Table load approx.: 30 tons

120-position tool changer
 -Tool diameter max.: 125 mm – with free adjacent seats: 250 mm
 -Tool length max.: 400 mm
 -Tool weight max.: 30 kg
 Tool holder (DIN 69871 Form AD): ISO 50

Mobile operator platform
 Electronic hand wheel HR 420
 Chip conveyor
 3D thermal expansion compensation
 Z-axis with level control
 Tapping without compensating chuck (ratio 1:1)

Touch probe system M&H 20.00 wireless

Full protection cabin + movable chip protection wall for the rotary table (Setup side/working side)

4-fold milling head changer / Pick-up station

1 piece of Universal milling head , 1° x 2,5° (indexing in the CNC programme)

360 Rear level positions / 144 Front level positions

1 piece of Horizontal milling attachment

1 piece of Universal milling head / Fabrikat: HENNINGER, Type: 880-40 – ISO 40

Internal and external cooling through the spindle

Total connected load: 75 kVA

Machine weight: 36,2 tons

Space requirement (Length x Width x Height) including RÜCKLE table approx.:

12.435 x 8.420 x 5.085 mm