

Machine - Datasheet

Machinetype: Gantry portal milling machine
 Make: FOREST LINE
 Type: Seramill
 New in: 1999
 Retrofit: 2021
 Control: SINUMERIK 840D
 Origin: France
 Term of delivery: Immediately
 Quotation: Ex. works



Technical Details / Accessories / Additional

Technical details	Dimension	Unit
<u>Travels</u>		
X-axis:	11,450	mm
Y-axis:	3,500	mm
Z-axis:	1,250	mm
<u>Cross-section of the Z-axis slider:</u>		
Gantry passage:	360 x 360	mm
Height below vertical spindle:	3,000	mm
Working clamping width:	1,400	mm
<u>Milling unit: Type FA 305 C</u>		
Available power:	2,500	mm
Torque max.:	30	kW
Speed max.:	1,070	Nm
Cross section of the slider:	4,000	rpm
	360 x 360	mm
<u>Vertical head with spindle</u>		
Available power:	30	kW
Speed max.:	4,000	rpm
Torque max.:	1,070	Nm
Rapid traverse in X, Z:	25,000	mm/min,
Rapid traverse in Y:	20,000	mm/min
Continuously adjustable work feed in X, Y and Z:	10,000	mm/min
Compressive force of each axis:	25,000	N
Tool holder:	SK 50	

Subject to alterations (prior sales and errors excepted).

Angled head horizontal with graduation 144 x 2,5°, with spindle SK50

Available power:	30	kW
Speed max.:	4.000	rpm
Torque max.:	1.070	Nm
Positioning increment:	2,5	degree

Longitudinal pallet system

1 pallet shuttle with 2 storage stations		
1 manual pallet transfer system between machine and shuttle		
2 workpiece holder pallets:	5,000 x 2,500	mm

Tool changer

Chain magazine:	80	positions
Distance between the spaces on the chain:	130	mm
Diameter of the consecutive tools:	125	mm
Tool diameter max.:	200	mm
Tool length max.:	400	mm
Tool weight max.:	25	kg
Tool changing time, tool to tool:	8	sec
Tool changing time, chip to chip:	38	sec

Equipment

Cooling devices:

- Cooling via orientable nozzles
- Cooling through the spindle centre, 3.000 l container, capacity: 30 l/min, pressure: 7 bar at the tool

2 chip conveyors, discharge height: approx. 1.250 mm

Gantry panelling

Touch probe, Brand: RENISHAW, Type: MP14

Electronic hand wheel

Remote diagnosis

Tool management and wear management

Documentation in 2 copies: German / French

CE marking

The machine can be inspected by appointment under working condition.

Very well-kept, continuously maintained condition