

## 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

### Dimension

#### Travels

X-axis:	11,450 mm
Y-axis:	3,500 mm
Z-axis:	1,250 mm

Cross-section of the Z-axis slider:	360 x 360 mm
Gantry passage:	3,000 mm
Height below vertical spindle:	1,400 mm
Working clamping width:	2,500 mm

#### Milling unit: Type FA 305 C

Available power:	30 kW
Torque max.:	1,070 Nm
Speed max.:	4,000 rpm
Cross section of the slider:	360 x 360 mm

#### Vertical head with spindle

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

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

Available power:	30 kW
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Subject to alterations (prior sales and errors excepted).

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

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