

## Data Sheet

Reference No.: 42819

## Planer Type Milling Machine, universal, ATC

Brand: FOREST LINE  
Model: MINUMAC  
YoM, approx.: 2000 used  
Reconditioned:  
Controls: CNC controls SIEMENS 840 D



### basic design

basic design: gantry type

### Working Range -cubic-

number of processing axes (excl parallel axes):	5
.. among of them simultaneous CNC axes:	5
X-axis travel:	7000 mm
Y-axis travel:	4000 mm
Z-axis travel:	1500 mm
rotating range B-axis from:	-110 °
rotating range B-axis up to:	110 °
rotating range C-axis from:	-400 °
rotating range C-axis up to:	400 °

### Table

table surface (left-right):	6000 mm
table surface (front-back):	3000 mm

### spindle / head

spindle type: orthogonal head	
rotation axis: B	
- mode of operation: automatic	
rotation axis: C	
- mode of operation: automatic	
spindle revolutions (max):	18000 /min
tool fixture: HSK A63	
drive power S6 40%:	24 kW
drive power S1 100%:	18 kW
spindle torque:	163 Nm

### spindle / head

spindle revolutions (max):	30000 /min
tool fixture: HSK A63	
drive power S6 40%:	22 kW
drive power S1 100%:	20 kW
spindle torque:	23 Nm

### Tool magazine

number of positions:	20
tool diameter max.:	100 mm
tool length max.:	250 mm
tool weight max.:	5 kg

### attachments

chip conveyor: yes  
closed cabin: yes

### Axis drives

feed velocity (max):	20000 mm/min
rapid traverse:	40000 mm/min
rotation speed B-axis:	10 /min
rotation speed C-axis:	10 /min

### Additional Information:

Overhead gantry machine  
Feed axes with linear drives  
High precision  
2 axes universal swivel head  
2 interchangeable high speed spindles

The machine was used for pre-finishing and finishing of large-sized automotive moulds, but also other products at one of the leading German tool and mould makers. You can inspect the machine by appointment. The side stands of the machine are made of concrete and are not included in the delivery. These have to be newly casted when reassembling. The specifications and drawings for this are available from the manufacturer. The following tests were not carried out until February 2022: - Circular mould test Renishaw - Laser measurement Renishaw - The accuracies and geometry are excellent.

### Seller:

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## Photos & Documents

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