

## Machine - Datasheet

Machinetype: Traveling column milling machine  
 Make: MTE  
 Type: FBF-M 10000  
 New in: 2014  
 Control: CNC Heidenhain iTNC 530 (HSCI)  
 Origin: Spain  
 Term of delivery: Immediately  
 Quotation: Ex. works  
 Description: -



### Technical Details / Accessories / Additional

| Technical details                    | Dimension                | Unit     |
|--------------------------------------|--------------------------|----------|
| <u>Travel:</u>                       |                          |          |
| X-axis                               | 10.000                   | mm       |
| Y-axis                               | 3.000                    | mm       |
| Z-axis                               | 1.500                    | mm       |
| Cone                                 | 50 DIN 69871 A           |          |
| Hydraulic tool blocking              | YES                      |          |
| Main drive power:                    | 41                       | kW       |
| Spindle turning speed                | 4000                     | rpm      |
| Speed control / transmission:        | 3-stage (oil-cooled)     |          |
| Lower working range:                 | 0- 516                   | min-1    |
| Medium working range:                | 460 - 1288               | min-1    |
| Upper working range:                 | 1200 - 4000              | min-1    |
| <u>Feed range</u>                    |                          |          |
| Working feed:                        | 0 - 12000                | mm / min |
| Rapid traverse:                      | 25                       | m / min  |
| <u>Coolant:</u>                      |                          |          |
| Working pressure:                    | 25-40                    | bar      |
| <u>Connected load: approx.</u>       | 57                       | KVA      |
| <u>Feed range:</u>                   |                          |          |
| Final drive motors:                  | Siemens (digital drives) |          |
| Rapid traverse max: (X / Y / Z axis) | 25.000                   | mm / min |
| Working feed: (X / Y / Z axis)       | 15.000                   | mm / min |

Weight of the machine:

Net weight: 47000 kg

Axis drive system:

X-axis (longitudinal) pinion / rack (make Atlanta)  
Z-axis (vertical) Ball screw (preloaded) diam. 63x20  
Y-axis (transverse) Ball-screw (preloaded) diam. 50x20

Hydraulic weight compensation in the vertical axis

Internal cooling: 20 bar

Cooling through the spindle for AHC

Increase coolant pressure (IKZ) to 40 bar

Automatic tool changer H / V  
60 magazine locations

Wireless key system M & H RWP38.41

Automatic milling head change system:

The automatic milling head changing system AHC-2 enables the fully automated changing of the above milling heads via the NC program.

Milling head pick up station for 4 milling heads can be moved automatically in X-direction.

No. 1 Automatic Milling Head:

Construction: diagonal  
Speed range: 0 to 4000 rpm  
Pitch / pivot positions: 2.5 ° x 1 ° (with serration)  
Tool holder: DIN 69871 AD (ISO 50)

No. 2 additional milling head horizontal (drilling spindle):

Outer diameter: 198 mm  
Speed range: 0 to 4000 rpm  
Tool holder: DIN 69871 AD (ISO 50)

No. 3 Additional milling head horizontal (drilling spindle):

Diameter (outside): 130 mm  
Speed range: 0 to 4000 rpm  
Tool holder: DIN 69871 AD (ISO 40)  
Axis drive / axis

Henninger adapter milling head 880 - 50 with 4x 90 ° indexing:

Drive and output mount: SK50 (ISO 50)

Additional swivel plane:

manually / infinitely indexable

4x90 °

Use on milling head 1 + 2 possible.