

Measuring machine MDF JUNIOR

631

Completely new developed for pattern making and/or design. This instrument replaces the common 1-dim. measuring and marking instruments.

- As always working in three axis no other devices are necessary.
- Extremely light duty, nearly completely made of aluminium.
- Electr. digital display and a lot of functions included.
- Connection to PC and use of extensive software via RS 232 interface.
- Easy to transport and useable everywhere and quickly because of a basis plate of its own.

Designed for manual working.

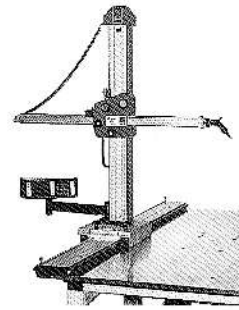
The machines are available in the following dimensions (special sizes on request):

Range of height measurement: 800, 1000, 1200 mm

Range of width measurement: 600, 800, 1000 mm

Range of length measurement: 1550, 2050, 2550 mm

On request!



Universal dividing and marking machine AT 32 WS

632

This dividing and marking machine has been developed especially for pattern- and mould makers. It is indispensable for a wider variety of marking and checking operations. All tasks are performed accurately, easily and quickly.

48 index positions are milled in the table. The selected position is locked by means of a lever. Thanks to an engraved graduation with vernier (10') the workpiece may be adjusted exactly and locked in this position by means of a lever.

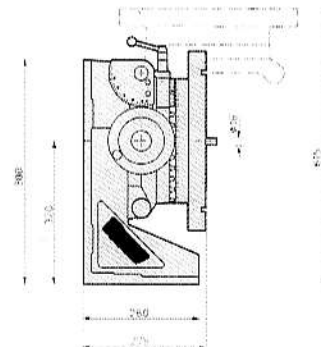
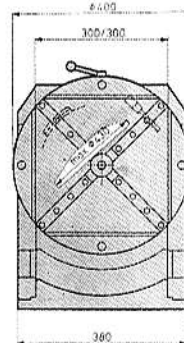
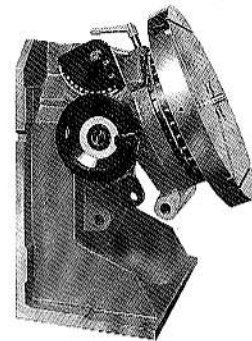
Four 6 x 10 mm grooves for fitting stop rules are milled in the clamping table at 90° angles. The grooves milled in the table are aligned horizontally and vertically in '0'-position. Outside the grooves four 18 mm dia. holes for fitting clamping arms are provided. Four clamping jaws can be fitted additionally; adjustment of the clamping jaws over four ranges by means of a tubular socket wrench.

Technical data

Height of centers	320 mm
Depth of the machine	275 mm
Maximum clamping capacity	380 x 500 mm
	380 x 260 mm
Clamping table dia.	400 mm
Centering bolt dia.	16 mm
No. of index positions	48 (7,5°)
Graduation	360°
Vernier division	10'
Maximum clamp capacity with clamping jaws	dia. 60 – 430 mm
Clamping arm holes	dia. 18 mm

Tilting feature

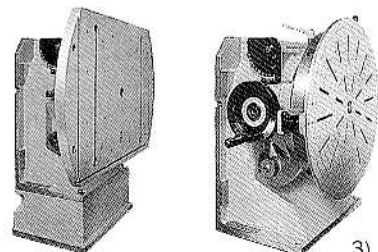
Tilting range	0° – 90°
Vernier division	5'
Weight	130 kg



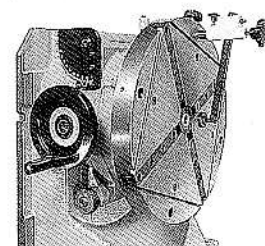
Accessories for model AT 32 WS

633

- 1) Pedestal **Item No. 633.104**
The height of centers can be increased by 150 mm by means of this pedestal.
- 2) Clamping plate **Item No. 633.101**
Clamping plate of aluminium, size 750 x 480 mm, for clamping mould plates and larger workpieces; plate with one 6 x 10 mm groove in longitudinal direction and two grooves 6 x 10 mm in cross direction for fitting a stop rule, plus T-grooves 12 mm; the workpiece can also be chucked by means of clamping arms (four holes outside the grooves). The plate is attached to the machine by four fixing elements and the centering bolt.
- 3) 460 mm dia. clamping table **Item No. 633.102**
Table of aluminium, for clamping large workpieces. The ball and socket joint with 16 mm diameter bolt serves two purposes:
– centering the workpiece on the table
– centering the table with workpiece on the machine.
The workpiece can be fixed to the table by means of bolts put through slots in the table. The table is fitted to the machine by three fixing elements.
- 4) Clamping arm **Item No. 633.105**
Workpieces up to 150 mm can be chucked on the tables by means of these clamping arms. The arm is 200 mm long; the bars are hardened and ground. Workpieces from 0 to 150 mm can be chucked.
Each arm with bar, dia. 18 x 105 mm and 18 x 155 mm.



1) u. 2)



4)