

MA 2111/2112/2113/2113 T

The Manual Fixture series MA 2111/2112/2113/2113 T was designed completely new. The series excels itself with high contacting force, low-ohm Intermediate Interface and excellent ergonomics. With 2.000 N contacting force the Fixtures achieve forces that until now have only been known by Vacuum Fixtures.

The Intermediate Interface of the standard version can be configured with INGUN Interface Blocks that are loaded with spring-loaded Probes. The Replacement Kits are exchangeable with only a few hand movements, and the Probe Plate Unit is locked and unlocked from the front side. The Pressure Frame Plate can also be changed within seconds by means of the patented locking bar. For storage purposes the Pressure Frame Plate and the Probe Plate can be connected together as a stackable unit.

Special Features:

- Convenient placement of the PC-Board due to the larger opening angle of the Pressure Frame (80°)
- Energy-saving opening mechanism with self-opening Pressure Frame (from an angle of 50° on)
- Free-moving roller-bearing drive unit
- Accurately fitting quick-exchange system without post adjustment
- Replacement Kits can be stacked for storage purposes
- Gas struts assembled on the inner side
- Can be easily extended for double-sided contacting
- Space for additional electronic circuitry

The base units have been strengthened to allow usage of an Intermediate Interface. Replacement Kits are available with or without an Intermediate Interface Frame.

MA 2111

Part No. 31730 (Basic Unit)	MA 2111/D/H/S-5	Outside Dimensions: 320 x 515 x 270 mm (w x d x h)* Contact Force: max. 2.000 N; Interface Pin Blocks: max. 5
Part No. 33650 (Basic Unit)	MA 2111-2/D/H/S-5, dual-stage Version	Technical data see MA 2111
Part No. 32450 (Replacement Kit)	ATS 2111/S-5 prepared for mounting of max. 5 Interface Blocks	Usable Area: 155 x 250 mm**
Part No. 31750 (Replacement Kit)	ATS 2111 without S-5 without Interface Mounting	Usable Area: 155 x 250 mm**
Part No. 32650 (Basic Unit)	MA 2111/D/H/S-5 left; Housing MA 2113 with drive unit assembled MA 2111 left mounted	Outside Dimensions: 616 x 520 x 270 mm (w x d x h)* Contact Force: 2.000 N
Part No. 32651 (Basic Unit)	MA 2111/D/H/S-5 right; Housing MA 2113 with drive unit assembled MA 2111 right mounted	Outside Dimensions: 616 x 520 x 270 mm (w x d x h)* Contact Force: 2.000 N
Part No. 32450 (Replacement Kit)	ATS 2111/S-5, prepared for mounting of max. 5 Interface Blocks, usable for both left and right hand side	Usable Area: 155 x 250 mm**
Part No. 31750 (Replacement Kit)	ATS 2111 without S-5, without Interface Mounting, usable for both left and right hand side	Usable Area: 155 x 250 mm**

* Details see page 13

** The outside dimensions of the PC-Board can in some cases be larger than the stated usable area.



MA 2111