

## MA 2112

### The new Mechanical Standard in the Test Fixture Division

The MA 2112 represents the consistent further development of the successful MA 2110 in regard to Contact Force, Intermediate Interface and ergonomics. Apart from the various innovative features the price is also very convincing.

The Contact Force of the new Test Fixture achieves a level that until now were only possible with a Vacuum Fixture. With a Contact Force of 2.000 N up to 1,330 Test Probes (1.5 N) can be assembled. The integrated high-grade Intermediate Interface can transfer up to 1.190 Signals when fully loaded. The Intermediate Interface can also be loaded with up to seven Interface Pin Blocks (see Product Datasheet INGUN Interface Pin Blocks).

The Interchangeable Kits can be exchanged with very little effort. The Probe Plate Unit can be locked and unlocked with a small hand-lever at the front. The Pressure Frame Plate is equipped with a patented quick-lock lever, which enables exchange in just a few seconds. For easy storage the Pressure Frame Plate and the Probe Plate Unit can be connected up to one unit, which allows stacking.

The MA 2112 is part of a new Product line, which varies in regard to the usable area and the size of the housing. The Product Line consists of the MA 2111, MA 2112, MA 2113 and the 2113 T, which is the Tandem version.

#### The following Innovative Features enable easy operation:

- big Opening angle of the Pressure Frame Unit (80°)
- Low Opening Force of the Pressure Frame Unit  
Self-opening > approx. 50°
- Smooth-running Drive Mechanics with ball-bearings
- Ergonomic Handle
- Quick exchange of the Interchangeable Kits
- Interchangeable Kits can be stacked for storage
- Opening angle of Assembly Plate/Housing 90° -  
with latch retainer
- Gas struts assembled internally

#### Technical Data:

- Contact Force 2,000 N / Intermediate Interface 1.190 Contacts
- Possible maximum Height of the PC-Board 60 mm. For higher Components the Pressure Frame Plate can be easily milled out
- Stroke 15 mm - guided parallel
- Test Fixture available for all common Test Systems
- Usable Area: 295 x 250 mm
- Overall Dimensions: 460 x 480 x 265 mm

Prices and Delivery Time on request.  
Technical changes possible without prior notice.

