No matter how your tests and test scenarios are configured or what your existing or future requirements and priorities are – when it comes to testing, ATX's high-quality mechanical fixtures have the potential to open up new levels of technical efficiency and productivity for you.

Specialising in your specific requirements.

As an innovative and leading technological supplier of mechanical test fixtures we can support you with the ideal solutions for your individual requirements. Our experience enables us to offer you significant benefits, including top quality devices which are high-capacity, light and durable. Not only are they robust and reliable even in complex test environments, they are also economical, ergonomic and require minimal maintenance. Available as a top-quality standard unit, a high-capacity exchangeable cassette system or as a made-to-measure solution which is seamlessly adapted to your individual test environment.

An overview of our product portfolio.

**Innovation**

As an innovative and leading technological supplier of mechanical test fixtures we can support you with the ideal solutions for your individual requirements. Our experience enables us to offer you significant benefits, including top quality devices which are high-capacity, light and durable. Robust and reliable even under the most demanding and difficult working conditions. Economical and ergonomic, with minimal maintenance requirements. These are all benefits which you acquire with our new MMI. But that’s not all:

**MAN MACHINE INTERFACE**

The MMI is the reliable mechanical fixture system developed by ATX. With our new design, we adapt perfectly to the interaction between man and machine. This property was also the inspiration for the name: Man Machine Interface.

**An overview of our product portfolio**

**MMI** - the mechanical stand-alone fixture for universal application and total reliability

**MMIW** - the mechanical exchangeable cassette system as a low-cost cassette solution consisting of the **MMIWG** - basic unit and **MMIWK** - cassette.
The MMI is optimally adjust to the operator

Its new lever mechanism, which has been filed as a utility patent, is specially adapted to the movement of the human hand and enables lightweight, ergonomic work for the operator. The all-new lever drive brings the control lever into an easily accessible position as soon as the fixture is fully open. This ensures a natural position while working, both standing and sitting. A sophisticated guide mechanism ensures low operating forces even at high probe forces and allows fatigue-free operation, especially with high volumes of units.

More outstanding features of the MMI

With the MMI from ATX, you have the ideal fixture solution for function test, final test and ICT applications for up to 1600N (approximately 800 needles at 2N). Our new system combines optimal ergonomics with high performance, durability and precision, ensuring your investment over the long term.

The new mechanism allows free access to the moving plate, because on the frame plate there is no front structure. We facilitate the operator in loading the test object.

Through the precentered hold-down plate a more accurate hit pattern of the top-sided removal is generally conveyed. This allows more precise hold-downs in closely mounted assemblies.

Another benefit of the MMI - it is prepared for a safety switch with guard locking, and an electrical interlock.
The MMIW mechanical exchangeable cassette system consisting of the MMIWG basic unit and the MMIWK cassette provides you with even more convenience and efficiency. In your testing centre the low-cost cassette solution based on the MMI mechanism is ideal for frequently changing products. In switching between products you save time because no tools are required, while also benefiting from minimal maintenance requirements and short retooling times thanks to the additional hard-wearing interface.

For the change system we use a pylon block interface that individually transfers the signals with 170-pin signal blocks, power and coaxial blocks as needed, as well as blocks for fibre optic cables and compressed air.

### Standalone unit

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Designation</th>
<th>Moving plate</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>100660</td>
<td>MMI-L</td>
<td>255 x 255</td>
<td>E01-00001</td>
</tr>
</tbody>
</table>

The light version does not include the new locking system for the moving plate, the stiffening bars for the push plate and the floating push plate. For double side access we recommend MMI-B.

### Basic unit

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Designation</th>
<th>Moving plate</th>
<th>Housing</th>
</tr>
</thead>
<tbody>
<tr>
<td>100637</td>
<td>MMIWG-A</td>
<td>294 x 310</td>
<td>E01-00024</td>
</tr>
<tr>
<td>100636</td>
<td>MMIWG-B</td>
<td>419 x 310</td>
<td>E01-00025</td>
</tr>
<tr>
<td>100663</td>
<td>MMIWG-C</td>
<td>554 x 310</td>
<td>E01-00026</td>
</tr>
</tbody>
</table>

### Exchangeable cassette

#### Standard - 1200 N (max. 600 probe á 2N)

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Designation</th>
<th>Moving plate</th>
<th>Interface block</th>
</tr>
</thead>
<tbody>
<tr>
<td>100638</td>
<td>MMIWK-A</td>
<td>294 x 310</td>
<td>6 block</td>
</tr>
<tr>
<td>100698</td>
<td>MMIWK-B</td>
<td>419 x 310</td>
<td>10 block</td>
</tr>
<tr>
<td>100661</td>
<td>MMIWK-C</td>
<td>554 x 310</td>
<td>12 block</td>
</tr>
</tbody>
</table>

#### Amplified - 1600 N (max. 800 probe á 2N)

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Designation</th>
<th>Moving plate</th>
<th>Interface block</th>
</tr>
</thead>
<tbody>
<tr>
<td>100643</td>
<td>MMIWK-AV</td>
<td>294 x 310</td>
<td>6 block</td>
</tr>
<tr>
<td>100699</td>
<td>MMIWK-BV</td>
<td>419 x 310</td>
<td>10 block</td>
</tr>
<tr>
<td>100662</td>
<td>MMIWK-CV</td>
<td>554 x 310</td>
<td>12 block</td>
</tr>
</tbody>
</table>

### Moving plate Housing

- 294 x 310
- 554 x 310

### Moving plate

- 275 x 240
- 419 x 240
- 445 x 240
- 554 x 240

### Simple but efficient. Your Benefits:

- Cost effective
- Ergonomic operation
- For max. 200 probes (a 2N total 400N)
- Stroke 23mm
- Moving plate 255 x 255 mm
- Back panel for connector mounting
- 2x ESD Pin
- 1x fixture down
- Housing: E01-00001

The MMI-L is the ATX developed mechanical fixture for smaller PCB’s with few probes. The favorable price of the light version gives the possibility to create an ergonomic fixture also for price sensitive small projects. It comes with a compact shape and can be used where work space is limited tightly.

The MMI-L Light Version
AVAILABLE HOUSING TYPES
Ensuring that MMI and MMIW adapt flexibly to your test

Housing with back panel (connectors can be mounted as required)

E01-00145
Standard housing for MMI-A

E01-00132
Standard housing for MMIWG-C

E01-00111
Standard housing for MMI-L light

E01-00112
High housing for MMI-L light

E01-00115
Standard housing for MMI-B und MMIW-MEWG-A

E01-00116
High housing for MMI-B und MMIW-MEWG-A

E01-00001
Standard housing for MMI-L light

E01-00012
High housing for MMI-L light

E01-00145
Standard housing for MMI-B und MMIW-MEWG-A

E01-00132
Standard housing for MMIWG-C

E01-00111
Standard housing for MMI-L light

E01-00112
High housing for MMI-L light

E01-00115
Standard housing for MMI-B und MMIW-MEWG-A

E01-00116
High housing for MMI-B und MMIW-MEWG-A

E01-00177
Standard housing for MMI-C, MMI-W-M EWG-B

E01-00178
High housing for MMI-C und MMIW-M EWG-B

E01-00124
Standard housing for MMIWG-A

E01-00123
High housing for MMIWG-A

E01-00135
Standard housing for MMI-D und MMIW-MEWG-B

E01-00133
High housing for MMI-D and MMIW-MEWG-B

Additional forms of housing are available upon request.

Our housings are available in the following colors:

Turquoise       RAL5018
Light gray      RAL7035

Additional colors upon request.
Would you like to find out more about us or get in touch with the appropriate contact person? You’ll find the direct line on our website - together with your personal sales expert:

www.atx-hardware.de  Contact  Contact partner

We are committed to finding the optimal technical solution for you. Why not put us to the test!

ATX Hardware GmbH West
Subsidiary of ATX Hardware GmbH

Pürgen branch
Am Kornfeld 8
86932 Pürgen, Deutschland/Germany

Phone: +49 81 96 / 93 04 - 0
Telefax: +49 81 96 / 93 04 - 19

Email: projekte@atx-hardware.de
Web: www.atx-hardware.de

Weil branch
Carl-Zeiss-Straße 5/1
71093 Weil im Schönbuch, Deutschland/Germany

Phone: +49 81 96 / 93 04 - 345 or 349
Telefax: +49 81 96 / 93 04 - 359

Email: projekte@atx-hardware.de
Web: www.atx-hardware.de