



MECHANICAL FIXTURES

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.

From expert consulting via the perfect technical design to later adaptation as required – backed up by quality service:

As expert suppliers of mechanical fixtures we can offer you the following product lines:

ME – the mechanical stand-alone fixture for universal application and total reliability.

MEW – the mechanical exchangeable cassette system as a low-cost cassette solution consisting of the MEWG – basic unit and MEWK – cassette.

MECHANICAL FIXTURES

ME – mechanical stand-alone fixture

HIGHLIGHTS

- Mature technology
- High capacity
- Versatile application
- Precise, reliable
- Bi-level capable



Handles the toughest of test marathons with ease

The ME mechanical stand-alone fixture represents something special in our company's success story. A well-established classic, it is our best-seller and there are excellent reasons for this. The ME is not just universally applicable and provides high-precision output. It can also be operated manually without strain, is extremely reliable, can be supplied in many sizes and secures the value of your investment thanks to its long operating life.

With the ME by ATX you have the ideal fixture solution for functional testing, final testing and small-scale ICT applications of up to approx. 600N.

Because of its extreme resistance to wear and tear this device also makes light of the longest test marathon. This means it is perfect for the manufacture of large quantities and continuous testing. It has not just been tested to more than 1 million cycles but also has a unique feature which makes it especially flexible: Its bi-level capability enables you to simply switch off probes which interfere, thus enabling combined ICT testing and functional testing or functional testing and flash programming, as required.

You can order the ME range in any form you require – as a self-assembly kit, or alternatively only drilled, fitted or fully wired as a ready-to-use model.

Basic unit*

Order No.	Designation	Moving plate	Standard housing
100762	ME1A	275 x 230	E01-00001
100763	ME1B	275 x 310	E01-00001
100764	ME1C	445 x 310	E01-00002
100856	ME1D	625 x 310	E01-00031
100779	ME1F	505 x 370	E01-00027
100832	ME1G	602 x 422	E01-00050

Tandem fixture with 2 mechanisms in one housing*

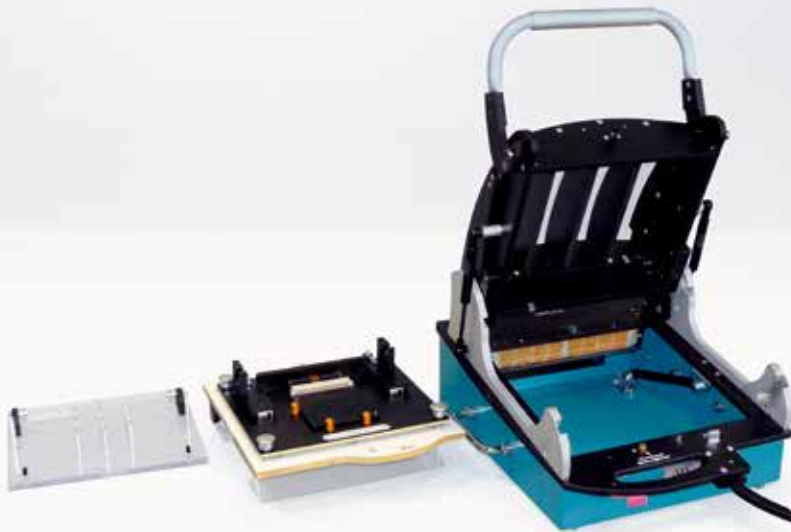
Order No.	Designation	Moving plate	Standard housing
100591	ME1-DO-KL	2 x 145 x 230	E01-00002
100590	ME1-DO-GR	2 x 275 x 230	E01-00046

*Each supplied with 20 holding-down devices and 20 UUT supports. The moving plate of the cassette contains a brass plate which short-circuits 3 probes (probes not fitted) – can be used as starting signal.

MEW – mechanical exchangeable cassette system

HIGHLIGHTS

- Low-cost & efficient
- Highly versatile
- Extremely time-saving
- Suitable for continuous operation
- Bi-level capable



An innovative interface offering extra convenience

The MEW mechanical exchangeable cassette system consisting of the MEWG basic unit and the MEWK cassette provides you with even more convenience and efficiency. In your testing centre the low-cost cassette solution based on the ME 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. As we design it with sip contacts it offers advantages that no plug-in connection has. The time-consuming search for defects caused by worn plug contacts is a thing of the past.

However, that's only one of the features with which our MEW will impress you. The system has individual interfaces for special pins such as HF, power or compressed air transfer, is suitable for continuous testing with wear resistance of up to 1 million cycles and features optional bi-level capability.

The transfer interface is designed for max. 480 pins and also enables the additional use of existing WKMLC cassettes (compatibility is ensured).

Interface contact – basic unit

Probes with receptacles are required for fitting the interface to the basic unit.

Order No. 101418

Interface contact – exchangeable cassette

Sip contacts are required for fitting the interface to the basic unit.

Order No. 101410

When you place your order please indicate how many contacts you require (max. 480) and how they are to be positioned. The relevant configuration file is provided by us.

Basic unit *				Exchangeable cassette *		
Order No.	Designation	Moving plate	Standard housing	Order No.	Designation	Moving plate
100765	MEWG-A	275 x 240	E01-00001	100767	MEWK-A	275 x 240
100766	MEWG-B	445 x 240	E01-00007	100768	MEWK-B	445 x 240
100453	MEWG-C	665 x 240	E01-00031	100454	MEWK-C	665 x 240
100806	MEWG-E	495 x 390	E01-00027	100807	MEWK-E	495 x 390

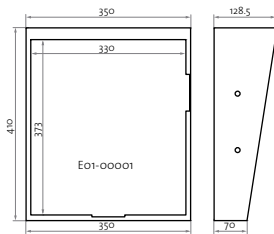
Tandem fixture with 2 mechanisms in one housing*

Order No.	Designation	Moving plate	Standard housing
100459	MEWG-A-DO	2 x 275 x 240	E01-00046

AVAILABLE HOUSING TYPES

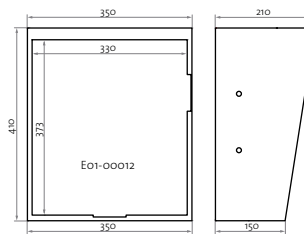
Ensuring that ME and MEW adapt flexibly to your test environment

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



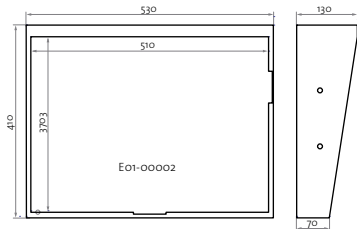
E01-00001

Standard housing for ME1A, ME1B, MEWG-A



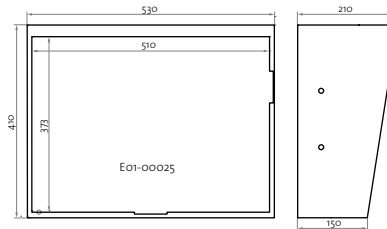
E01-00012

High housing for ME1A, ME1B, MEWG-A



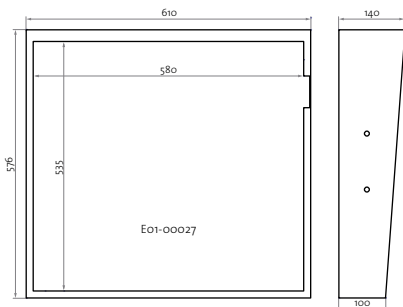
E01-00002

Standard housing for ME1C, MEWG-B, ME1-DO-KL



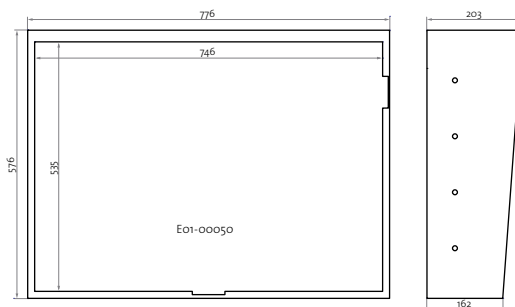
E01-00025

High housing for ME1C, MEWG-B, ME1-DO-KL, VPC G12



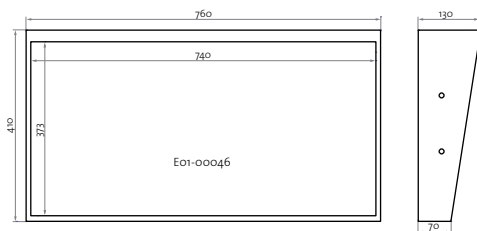
E01-00027

Standard housing for ME1F, MEWG-E



E01-00050

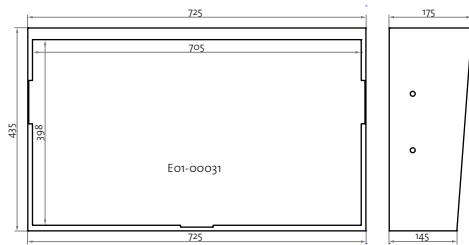
High housing for ME1G



E01-00046

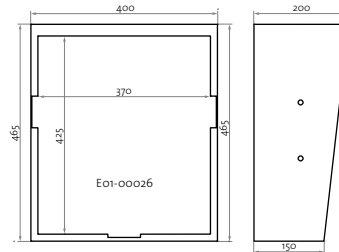
Standard housing for MEWG-A-DO, ME1-DO-KL

Housing with mounting option for Virginia Panel interface frame



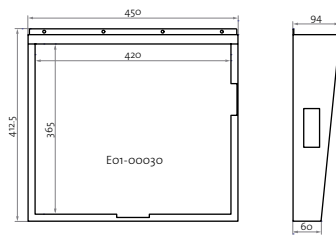
E01-00031

Standard housing for ME1D, MEWG-C
Interface VPC G12



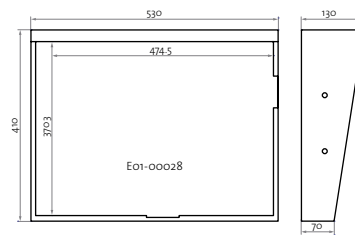
E01-00026

Housing for ME1A, ME1B, MEWG-A
Interface VPC G21



E01-00030

Housing for ME1A, ME1B, MEWG-A
Interface VPC S6



E01-00028

Housing for ME1A, ME1B, ME1C, MEWG-A, MEWG-B
Interface VPC G12

Additional forms of housing are available upon request.

Our housings are available in the following colors:

Turquoise	RAL5018
Blue	RAL5017
Light gray	RAL7035

Additional colors upon request.

MEW INTERFACE

Perfect for saving time and trouble

HIGHLIGHTS

In addition to the 480 standard pins the MEWG-IF combined module interface enables the use of 4 pneumatic transfers and 10 high-frequency or high-current pins



Basic unit



**MEWG-IF
combined module interface
Pneu-HF-HS basic unit**

Order No. 100837



**High-current contact
with receptacle
combined module interface
Probe**

Order No. 629001

Receptacle

Order No. 689037



**Interface contact basic unit
(Receptacle and probe)**

Order No. 101418



**High-frequency contact
combined module interface
basic unit 50 Ohm RG178
with cable (90 cm)**

Order No. 300049



**Pneumatic coupling
combined module interface
basic unit**

Order No. 278256

Cassette version



Pushfinger length 45 mm
Standard pushfinger ME series
with UUT of 1.6 mm thickness
and use of UUT supports
439001

Order No. 109220



**Pneumatic coupling
combined module interface
cassette**

Order No. 278255



Spacer
(3 mm height,
thickness = 2.5 mm,
drill hole 1.9-2.0)

Order No. 439001



**High-current contact
combined module interface
cassette up to 50A**

Order No. 670034



**MEWK-IF
combined module interface
Pneu-HF-HS cassette**

Order No. 100838



**High-frequency contact
combined module interface
cassette 50 Ohm RG178
with cable (90 cm)**

Order No. 300044



**Interface contact
exchangeable cassette**
(SIP with inner cone)

Order No. 101410

Your contact partner



Your direct line to us? Simply get in touch!

Since 1997, the year our company was founded, ATX has become a technological leader in the industry thanks to constant innovation and continuous development. And in addition to outstanding technical expertise we offer you the appealing benefits of an owner-managed, efficient medium-sized company with more than 100 employees.

In addition to cutting-edge products, a prominent feature of the ATX portfolio also includes expert consulting, the ongoing adaptation of existing fixture technologies, and reliable service operations.

For us the priority is orienting ourselves towards the needs of our customers. It's no coincidence that a large number of domestic and international electronics companies with a diverse spectrum of specialisations have placed their trust in us for many years now. For many of them we have been the preferred supplier for years now, and thousands of installed systems in trouble-free daily operation demonstrate our success.

If you wish to find out more about us or get in touch with the appropriate contact person, you will find all the details on our website – including the direct line to your personal sales specialist: http://www.atx-hardware.de/index.php?de_ansprechpartner

We're committed to finding the optimum technical solution for you. Why not put us to the test!



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