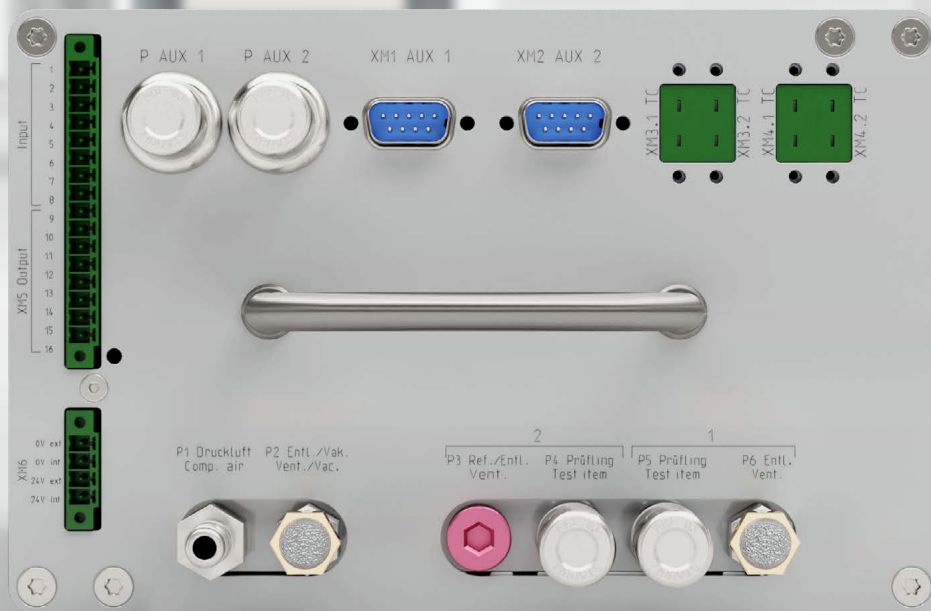# MODULAR AT HEART

FLEXIBLE LEAK TIGHTNESS AND FUNCTIONAL
TESTING WITH THE ZED FAMILY

IMPRESSIVE PRODUCT RANGE FOR HIGH DEMANDS

ZED base⁺

With the further development of the ZEDbase, it is now very easy to adapt the leak testing system to your unique requirements through the selection of intelligent additional functions that come as standard. The device is easy to set up and operate due to its intuitive user interface with many off-the-shelf functions.

ZED mod

The successor of the MMS is the solution for complex leak and functional testing. Up to eight measuring circuits can be implemented thanks to the modular design and the ZEDsatellite extension. ZEDmod offers the highest technical standards.

ZED satellite

The decentralized ZEDsatellite measurement and testing modules enable measuring right on the test item for more accuracy and reliability. The data from the available measurement methods can be conveniently read out centrally via any of the devices from the ZED family.

ZED station

The standalone cell closes the gap between single test devices and fully automated systems. The station makes the testing of parts for tightness and function more economical and faster than previously possible with a manual single test.

ZED flex

The ZEDflex leak test solution meets customer-specific requirements through flexibly positionable measuring circuits. It uses the very powerful ZED software. A universal evaluation unit allows secure data exchange and archiving of measurement results. The flexible measuring circuits rely on the compact ZEDsatellite.

MAXIMUM MODULARITY FOR LEAK TESTING

More modern, more powerful, and above all modular – ZELTWANGER is blazing the trail for tightness and functional testing with the redesigned ZED family. The company has revolutionized the heart of its leak testing equipment with the versatile ZEDcore measuring module.

High-end leak testing devices can now be adapted even more accurately and faster to customer requirements, and the test procedures can be more easily integrated into the production processes. Previously, measuring circuits were firmly installed in most devices. But with this new design, they can now be inserted individually with plug-and-play and started up without further installation. It also means that the measuring modules in the device can be swapped out for different test procedures, or that an individual measuring module can be used in different devices.
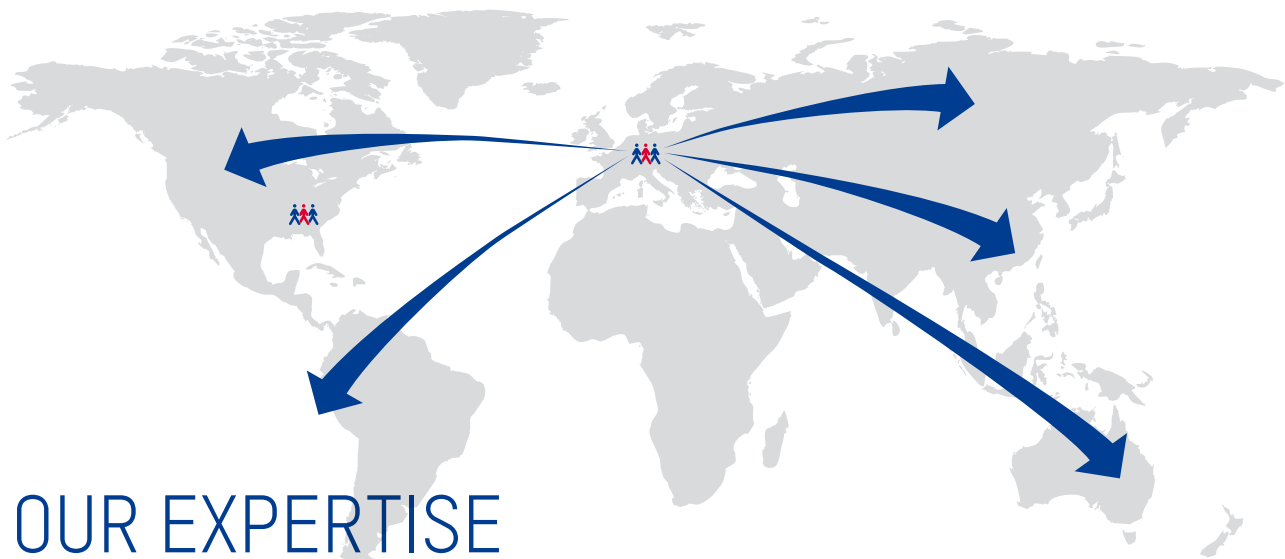
The advantages of ZEDcore are obvious:

+ More flexibility for testing
+ Less production downtime thanks to easy installation
+ Minimal stocking of spare parts as measuring circuits are easily exchanged
+ Time and cost savings for calibration as only a single measuring module is calibrated in the leak and functional testing system
+ Lower secondary costs as standby devices are no longer needed

The modular principle of the new ZEDcore measuring modules is unrivaled on the market and offers companies an opportunity to invest in more flexibility, more efficiency, and more Industry 4.0.

Feature comparison	ZEDflex with ZEDcontrol	ZEDmod	ZEDbase+	ZEDbox	ZEDsatellite
Display	15″ (standard) or customized	17.3″	7.0″	7.0″	–
Dimensions (W x H x D) in mm (W x H x D) in inch	Approx. 1,020 x 2,000 x 660 40.16 x 78.74 x 25.98	Approx. 500 x 385 x 470 19.69 x 15.16 x 18.50	Approx. 400 x 170 x 524 15.75 x 6.69 x 20.63	Approx. 310 x 170 x 390 12.20 x 6.69 x 15.35	Approx. 310 x 170 x 390 12.20 x 6.69 x 15.35
Weight in kg	Approx. 400	Approx. 26	Approx. 10	Approx. 7	Approx. 7
ZEDcore slots	Up to 8*	4	1	1	1
Standalone operation	Yes	Yes	Yes	Yes	No
Max. number of measuring modules	Up to 8*	4 int. + 4 ext. via ZEDsatellite	1 int. + 1 ext. via ZEDsatellite	2 ext. via ZEDsatellite	1 int.
Max. number of measuring channels	Up to 8*	8	2	2	2
Fieldbus connectivity	Modbus TCP/RTU/ASCII, PROFINET (optional), PROFIBUS (optional), EtherCAT (optional)				via ZEDmod, ZEDbox, ZEDbase+, ZEDcontrol
Other connectivity	Digital I/O, WebAPI, OPC-UA				–
Operating system	Microsoft Windows 10 IoT Enterprise				–

* Depends on rack size

OUR EXPERTISE SPANS THE WORLD

ZELTWANGER
LEAK TESTING & AUTOMATION

ZELTWANGER Leak Testing & Automation LP
North Charleston, SC 29418
United States of America

www.zeltwanger.com

ZELTWANGER
DICHTHEITSPRÜFUNG

ZELTWANGER Dichtheits- und Funktionsprüfsysteme GmbH
Maltschachstr. 32
72144 Dußlingen, Germany
Tel: +49 7072 92897-501

www.zeltwanger.de

ZELTWANGER
AUTOMATION

ZELTWANGER Automation GmbH

Maltschachstraße 32
72144 Dußlingen, Germany
Tel: +49 7072 92897-701

www.zeltwanger.de

ZELTWANGER
AMT

ZELTWANGER AMT s.r.o.

66434 Kuřim
Czech Republic

www.zeltwanger.cz