

Novel Scanners for Eccentricity and Wall Thickness Measurement with WALLMASTER Control System

For cable jacket, insulation, tube, hose up to \varnothing 180 mm (7 in.)

These brand new UMAC® Z scanners (pat. pend.) for ultrasonic measurement represent a smart and simple solution for in-line wall thickness measurement and control when the WALLMASTER data acquisition, processing and display system is used.

Many advantages

- Two quick hand adjustments to suit the new product diameter take just a few seconds
- Quick and easy symmetrical positioning of all transducers, centrally adjustable
- Large measuring range with the same scanner
- No readjustments, no tools, no change of transducers
- Fully non-contact, uncritical centring
- 100% made of non-corrosive materials for maintenance-free long-life operation under water

Numerous Benefits

- Extremely compact, for installation into existing cooling trough
- Reduced start-up time thanks to early recognition of concentricity
- Control of the minimum wall thickness
- Important material savings
- Return on investment within few months



Scanner with 6 measuring points (6K)
(Models: UMAC Z50, Z100, Z180)

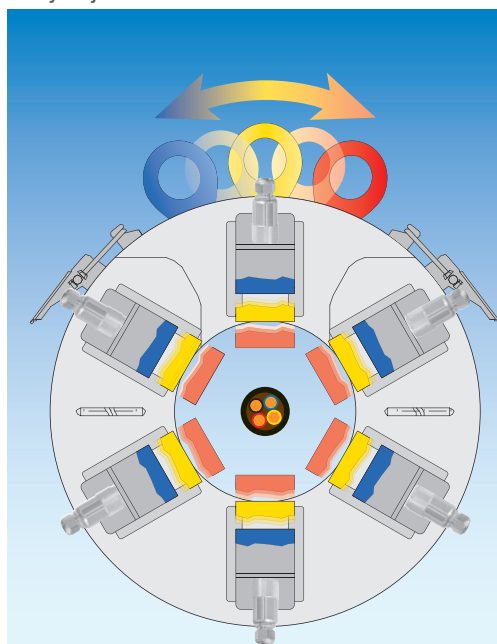


Scanner with 4 measuring points (4K)
(Models: UMAC Z50, Z100)

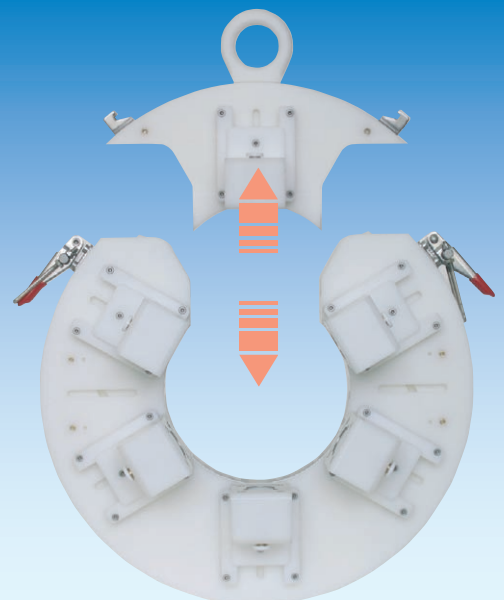
Adjusted within seconds

Thanks to the completely new construction (pat. pend.), the transducers can be synchronously adjusted to the best possible measuring position within seconds (upon request motorized).

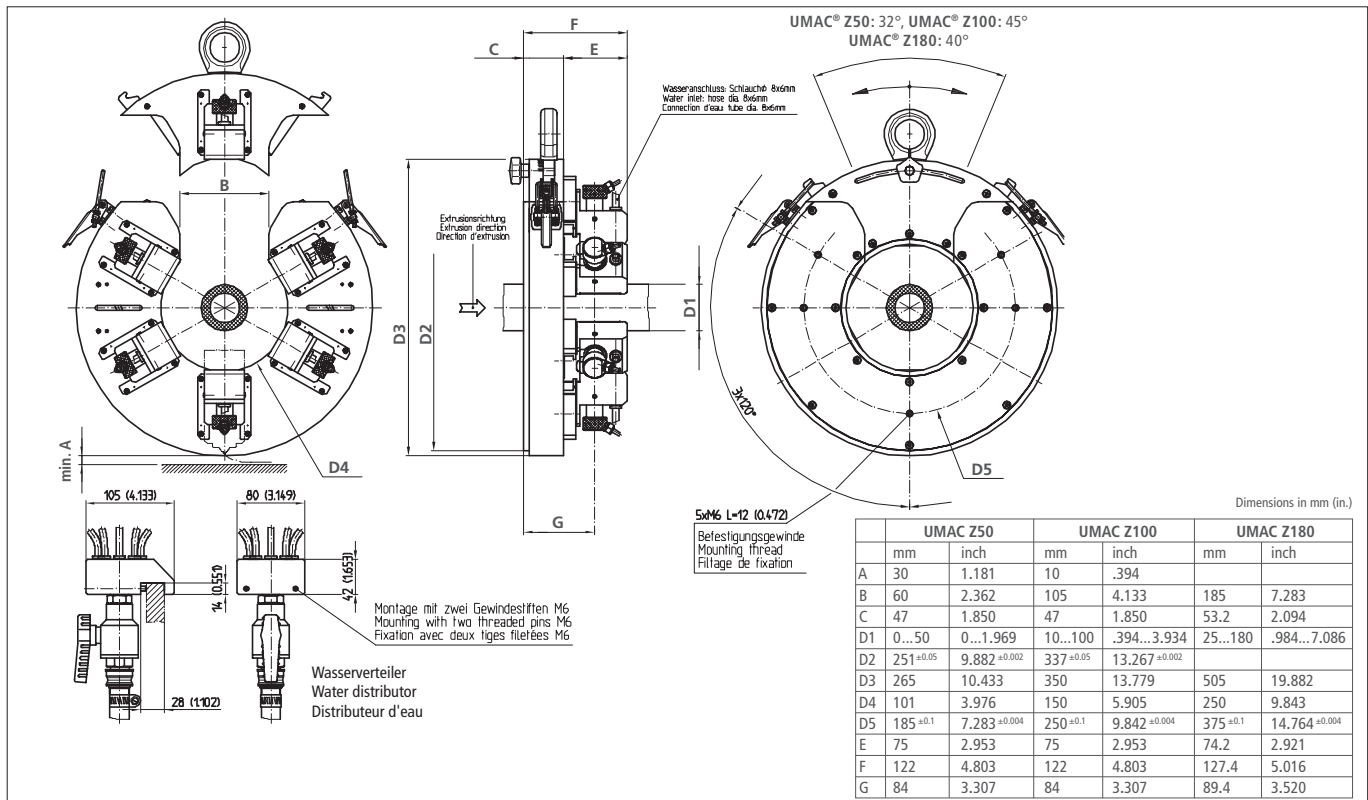
Thanks to the special holder version H, the complete scanner can be turned into any position.



A quickly removable segment enables an easy product change.



Dimensions UMAC® Z50/Z100/Z180 (standard models)

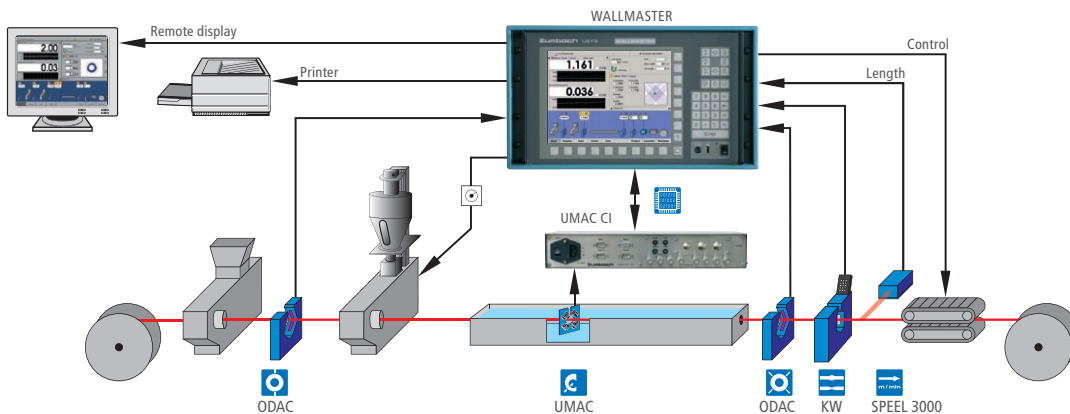


Additionally to the standard models, all scanners are available with mounting holders and fixation elements as so called **version H**. These models can directly be installed into the existing cooling trough, without need of additional devices. For an installation before or after the cooling trough, all scanners are also available with an additional water basin (**version F**); see "Accessories".

► Dimensional drawings of the H and F versions upon request

System Expansions

ZUMBACH manufactures a wide array of precision instruments for industrial applications. By means of further components, such as USYS WALLMASTER processor and display units, ODAC laser diameter scanners, KW fault detectors etc., an UMAC WALLMASTER system can be extended for any case for highest possible productivity and product quality. These systems can provide you with flawless SQC/SPC reports of the final product.



Accessories

- **F versions:** These models include besides the standard scanner model, an additional water basin (with circulating pump and water level monitoring). These versions can easily be installed either at the beginning or at the end of the existing cooling trough.
- Motorized vacuum and servo valves, low pressure controllers for tube and hose applications
- Speed and length measuring systems
- Printers, alarm units, remote displays and more

► For more details on system expansions and accessories, ask for the respective documentation.

• Technical specifications are subject to change without notice

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