

**NEW**

# RAYEX® S XT 50

**Easy and Reliable Measurement of Diameter, Ovality, Wall Thickness and Eccentricity for Products up to 50 mm (1.97 in.) Outer Diameter**

Cables: Coax, CATV, Silane, Jackets

Tubing/Pipe: PVC, PE, PA, Composite Pipes, Automotive, etc.

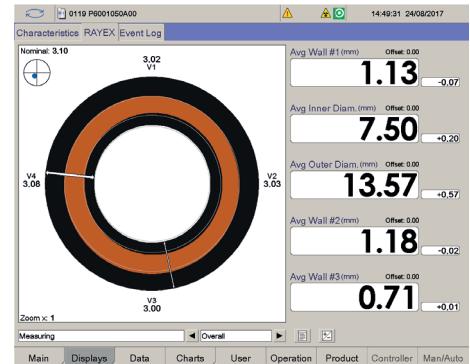
Hoses: Rubber, Medical, Silicone, PTFE, etc.

The new RAYEX® S XT system combines modern X-Ray technology and easy operation in one unit. The high flexibility and convincing performance of RAYEX® S XT are providing significant advantages:

- Fast installation and commissioning
- Easy operation and product setting
- Longevity, especially of X-ray sources
- Easy maintenance and service

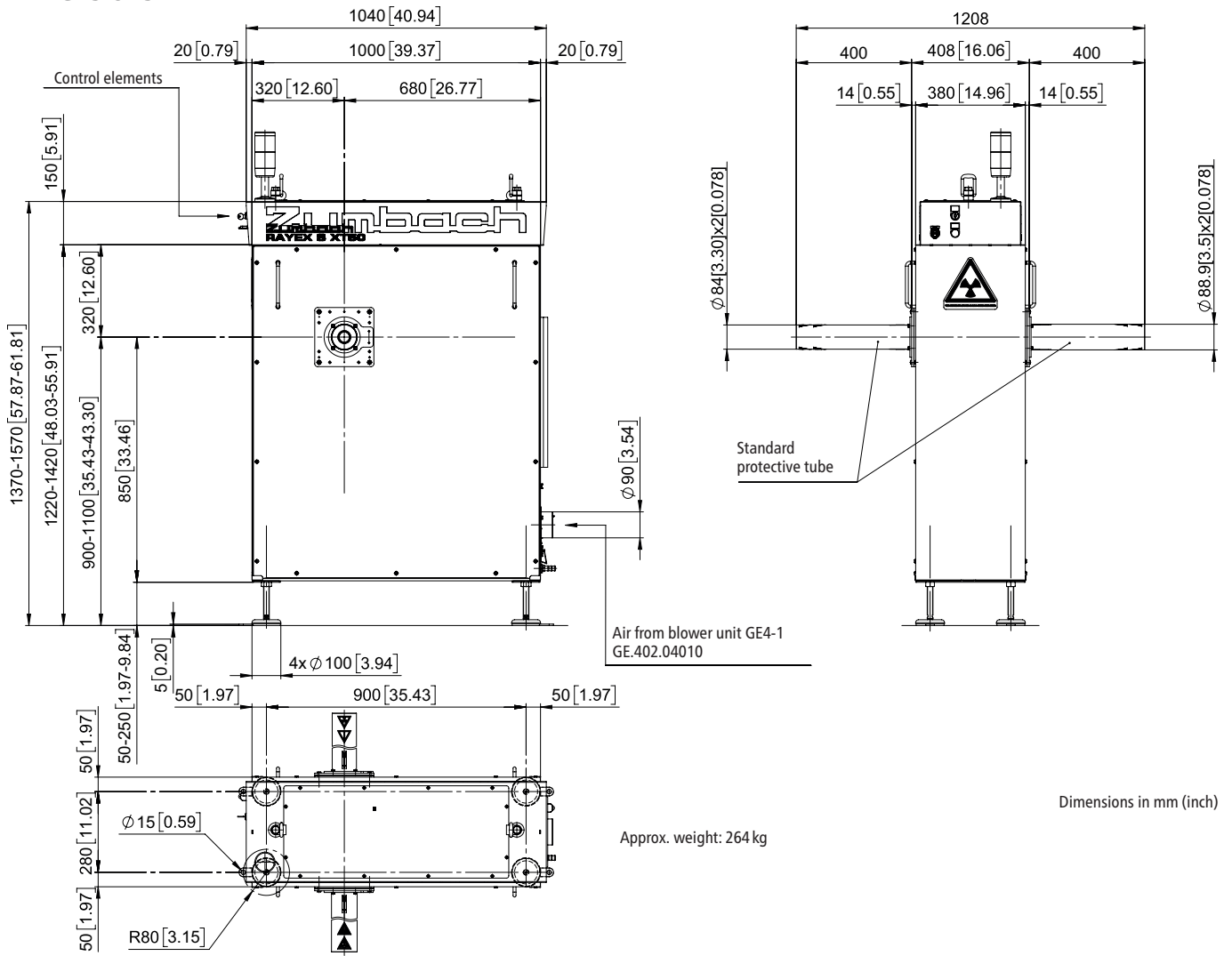
## Key Features and Advantages

- **High stability and accuracy**
  - Repeatability within 0.04 mm (.0016 in.)
  - No need calibration
  - No need for material-specific adjustments
- **Simple concept and easy to use**
  - 4 wall thickness points, 2 diameters, ovality
  - 2 X-ray sources under 90° to each other
  - No moving parts
  - No water cooling
- **X-ray sources**
  - Extremely robust and stable
  - Easy to exchange, no realignment
  - Expected lifetime up to 4 years
  - No water cooling required
- **X-ray safety**
  - Unique screening concept
  - Minimal scatter, no lead necessary
  - Outside radiation level meets national and international standards
- **For all materials / combinations**
  - Plastics, foam, rubber, composites (metal/plastics), foamed structures
  - Up to 4 layers measurable



- **Processing and display**
  - Well proven USYS processors for monitoring and data collection etc.
  - Software on flash disk
  - Additional inputs sensors
  - Closed loop controller
- **"Sensor only" version (OEM)**  
 For direct communication with a PLC or host computer, modern interfaces such as Ethernet or others are available.

## Dimensions



## Main data

<b>System</b>	<b>RAYEX® S XT 50</b>
<b>Outside diameter of product</b>	4.0 ... approx. 45 mm (.16 ... approx. 1.77 in.)
<b>Min. wall thickness</b>	0.3 mm* (.0118 in.)
<b>Max. X-Ray voltage</b>	up to 55 kV
<b>Repeatability (<math>\sigma</math>)</b>	0.04 mm* (.0016 in.)
<b>Measurement rate</b>	1 ... 10/second
<b>Power supply</b>	230 V version: 210...250 VAC, 50/60 Hz 120 V version: 110...130 VAC, 50/60 Hz

\* Limit data of the system. For a specific application range the respective data will be precisely specified.

• Technical specifications are subject to change without notice



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