

**NEW PROFILEMASTER® PMM 130-4K/160-6K**

**Flexible and powerful measurement of all kind of profiles**

ZUMBACH's all-new PROFILEMASTER PMM 130-4K/160-6K is fulfilling today's measuring needs for in-line measurement of any type of profile. Two versions with 4 or 6 camera/Laser modules are available to ensure the best possible coverage of the profile contour. An integrated turning mechanism in the frame allows for optimal alignment of the measuring units angular position versus the profile. The open design of the frame facilitates insertion into a running production line.

A powerful processor unit with customer-friendly user interface allows simple and easy product definitions, tolerance monitoring and data recording.

**Convincing advantages**

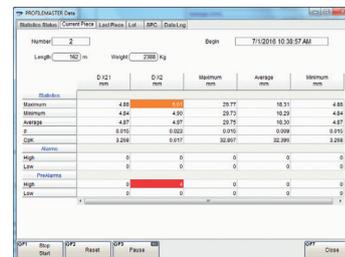
Complete profile shapes can be measured using high-precision light-section technology. Dimensions with narrow tolerances like width, thickness, diagonals etc., as well as radii and angles are controlled

**Advantages – Main features**

- Permanent quality control
- Increased production efficiency (faster start up)
- Improved process control and CpK
- Fast, precise and reliable measurements
- Maximum contour coverage
- Intuitive user interface
- Quick and easy installation into production lines



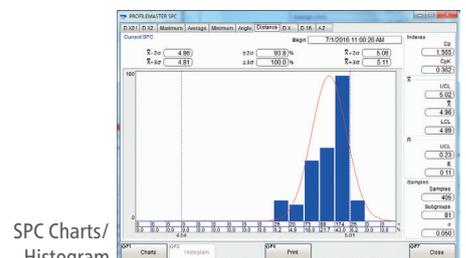
Main screen



Statistics

**Technical data**

Measuring unit	PMM 130-4K	PMM 160-6K
No. of camera/laser modules	4	6
Measuring field	Within $\varnothing$ 130 mm (5.11 in.)	Within $\varnothing$ 160 mm (5.9 in.)
Min. product dimension	8 mm (.31 in.)	10 mm (.39 in.)
Repeatability (1 $\sigma$ )	0.001 mm (.00008 in.)	0.001 mm (.00008 in.)
Measurement error	+/- 0.03 mm (.0012 in.)	+/- 0.03 mm (.0012 in.)
Measurement rate	Up to 200/s	Up to 200/s
Light source	VLD (Visible Laser Diode) red, green, blue, class 3R	VLD (Visible Laser Diode) red, green, blue, class 3R
Camera resolution	2048 meas. point/profile	2048 meas. point/profile
Line speed	Unlimited	Unlimited
Type of protection	IP 67	IP 67



SPC Charts/  
Histogram

## Processor and Display Unit

- Graphical user interface with SPC, data base, remote access, I/O
- Industrial PC, LCD screen, keyboard and mouse

Data Acquisition and Processing System	
Operating system	Windows Embedded
Display	High resolution 19" TFT colour display
Network interface	2 x Ethernet (1 x customer / 1 x Zumbach)
Communication interface	Digital in-/outputs, relay output

™ Windows is a trademark of Microsoft Corporation

Compact version

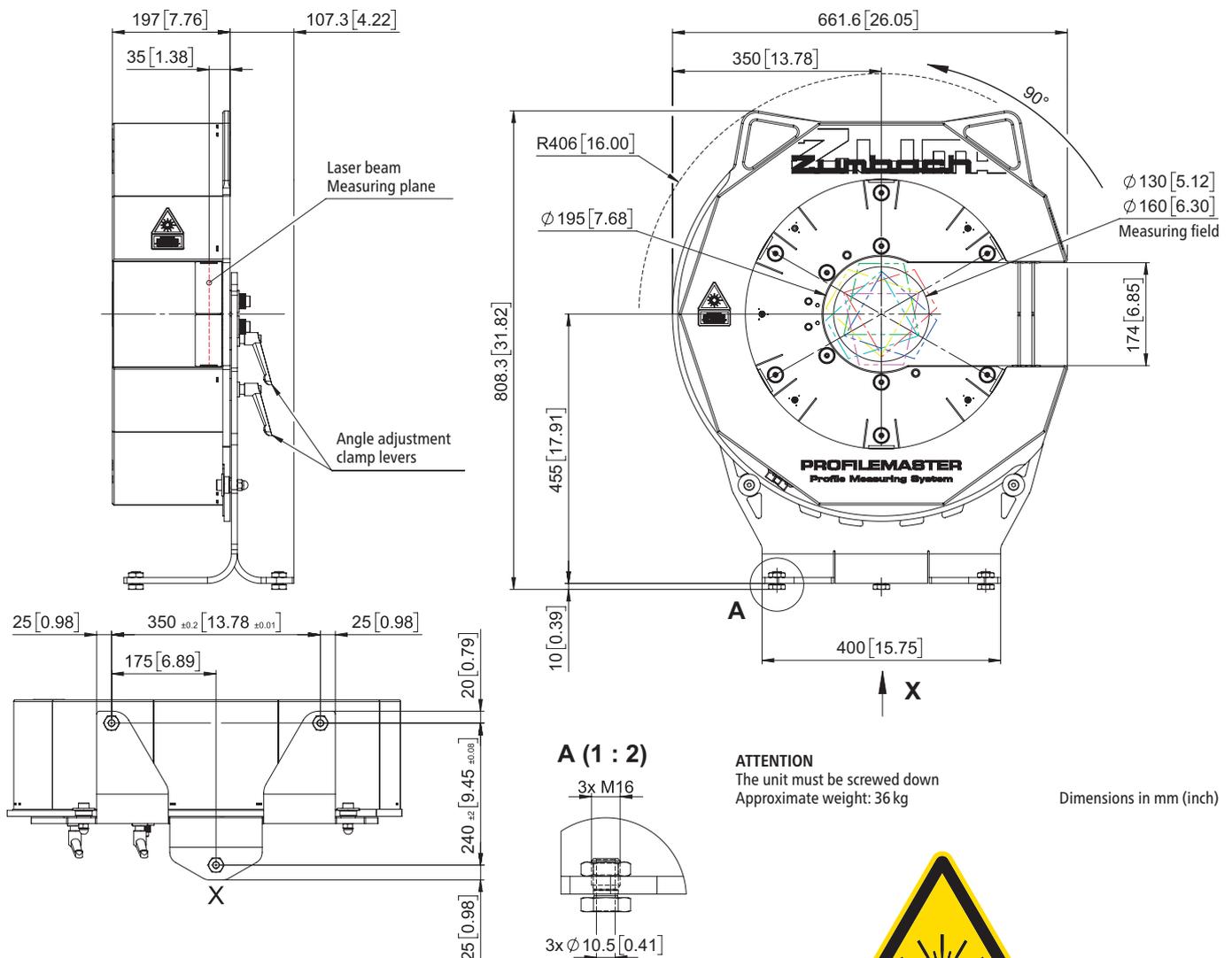


or

19" cabinet with  
reserve space  
for printer



## Dimensions PROFILEMASTER® PMM 130-4K/160-6K



• Technical specifications are subject to change without notice

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