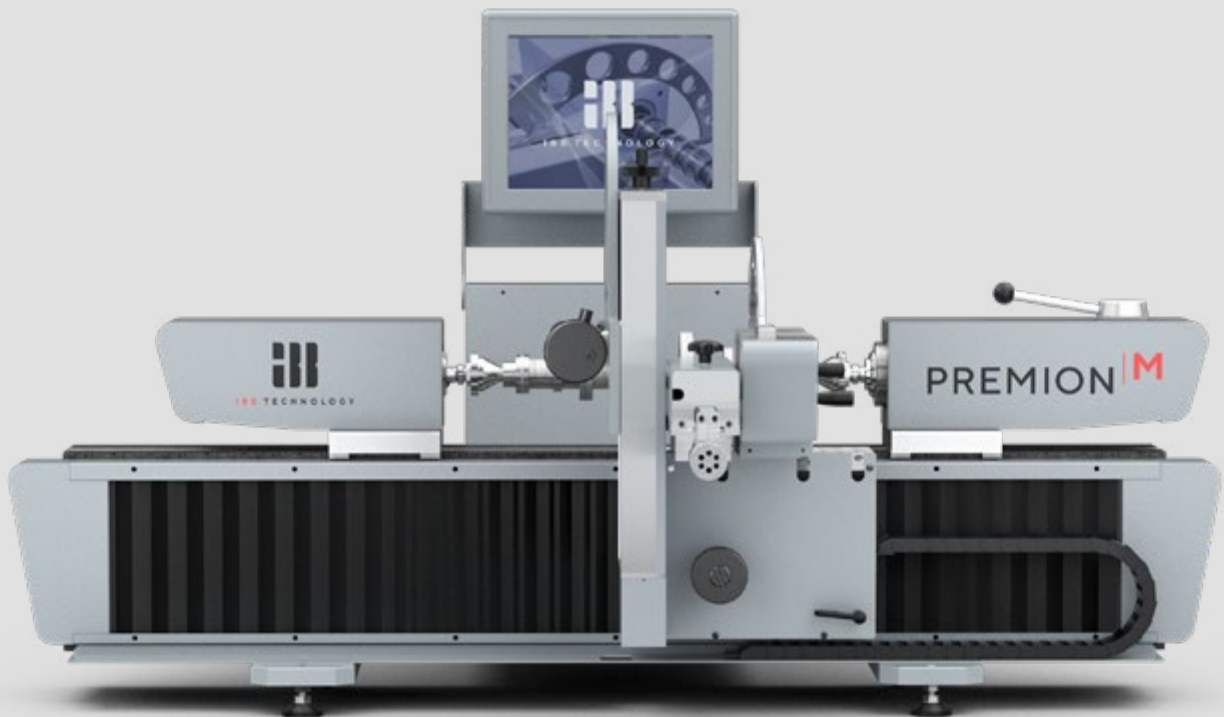




IBB TECHNOLOGY

# PREMION | M



Intelligent Bridges to Best Quality.

# PREMION | M

The **PREMION<sup>M</sup>** is a multi-sensor shaft measuring device on which your data on rotationally symmetrical workpieces can be measured and documented. The **PREMION<sup>M</sup>** is the manual version of the **PREMION** series and replaces a large number of hand-held measuring instruments in your production area. Due to the modular design and the wide range of equipment **PREMION<sup>M</sup>** can be customised exactly to your needs.

## | APPLICATION

All measurements on rotationally symmetric workpieces may be done directly in your production. The combination of optical and tactile measurements will bring you significant gain of time and thus a big cost advantage for your production!

## | CONSTRUCTION

The high-precision guides are mounted on a stable granite base with the move sledge. The different measuring modules are individually built on this sledge. With interchangeable tips the recording of parts takes place between tailstock and headstock.

## | HANDLING

The part is clamped by the operator between points and the features to be measured are accommodated. Various measuring functions can be selected via the touch screen where the measurement results are clearly displayed, also.

The **PREMION<sup>M</sup>** measuring device allows  $\mu$ -precise measuring of your parts. The fast change of parts and the easy calibration are additional practical advantages in everyday use with the **PREMION<sup>M</sup>**.

## | POSSIBLE MEASURING OBJECTS

Crankshaft, camshaft, gear shaft and others rotationally symmetrical workpieces.

## | RANGE

in standard version

Length: 400 mm, 800 mm, 1.200 mm

Diameter: 125 mm, 160 mm, 200 mm

## | ERROR LIMITS

Length:  $(3 + L/100) \mu\text{m}$ ,  
L = Length in mm

Diameter:  $(1 + L/100) \mu\text{m}$ ,  
L = Length in mm

## | PREMION<sup>M</sup> MODULE



### Manual length module

Typical measuring tasks: length, distance, center, Planarity dynamic, squareness, flatness, etc.



### Manual diameter module

Typical measuring tasks: diameter, concentricity, Roundness, concentricity, crowning, cylindricity, Tip diameter, cone angle, etc.



### Manual optical module

Typical measuring tasks: chamfer angle, radius, diameter, Length, intersection line-line, intersection Radius line, intersection radius radius, theoretical Intersections, thread pitch, etc.