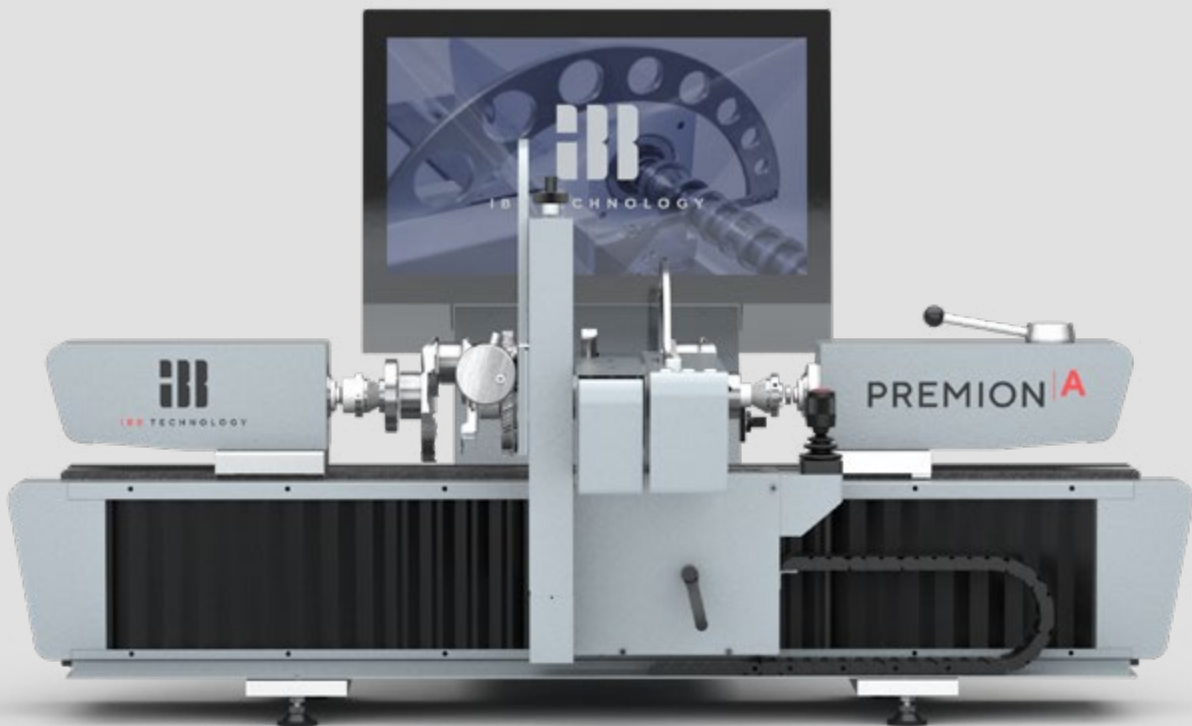




IBB TECHNOLOGY

PREMION | A



Intelligent Bridges to Best Quality.

PREMION | A

PREMION | A is a multi-sensor shaft measuring device on which your data on rotationally symmetrical workpieces can be measured and documented. **PREMION | A** is the automated version of the **PREMION** series. The testing procedure runs completely automatic according with the implemented measurement program. This allows a high operator independency and reproducibility of measurement results. **PREMION | A** replaces a variety of hand-held measuring instruments in the production area. Due to the modular design and the wide range of accessories **PREMION | A** may be customised exactly to your needs.

| APPLICATION

All measurements on rotationally symmetric parts can be carried out directly in the production. The combination of optical and tactile measurements will bring you a significant gain of time and thus a big cost advantage for your production!

| CONSTRUCTION

The high-precision guides and the driven carriage are mounted on a stable granite base. The automatic measuring modules are set up on this slide. The parts are accommodated between the riding and head-stock with interchangeable tips.

| HANDLING

The part is clamped between the tips by the operator. The operation works intuitively via touch screen. All features are automatically measured according to the programmed measurement sequence and the measurement results are shown on the coloured touch screen taking into account all tolerances. The results are automatically saved in PDF and DFQ format (Q-DAS certified to AQDEF). In addition to the automatic operation the **PREMION | A** can also be used manually without a measuring program. It is a special feature that brings great advantages in terms of flexibility into your production.

| 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

| ACCURACY

Length: $(2,5 + L/100) \mu\text{m}$,
L = Length in mm

Diameter: $(0,9 + L/100) \mu\text{m}$,
L = Length in mm

| PREMION | A MODULE



Automatic length module

Typical measuring tasks: length, distance, center, Planarity dynamic, squareness, flatness, u. v. m.



Automatic diameter module

Typical measuring tasks: diameter, concentricity, Roundness, concentricity, crowning, cylindricity, Tip diameter, cone angle, u. v. m.



Automatic optical module

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