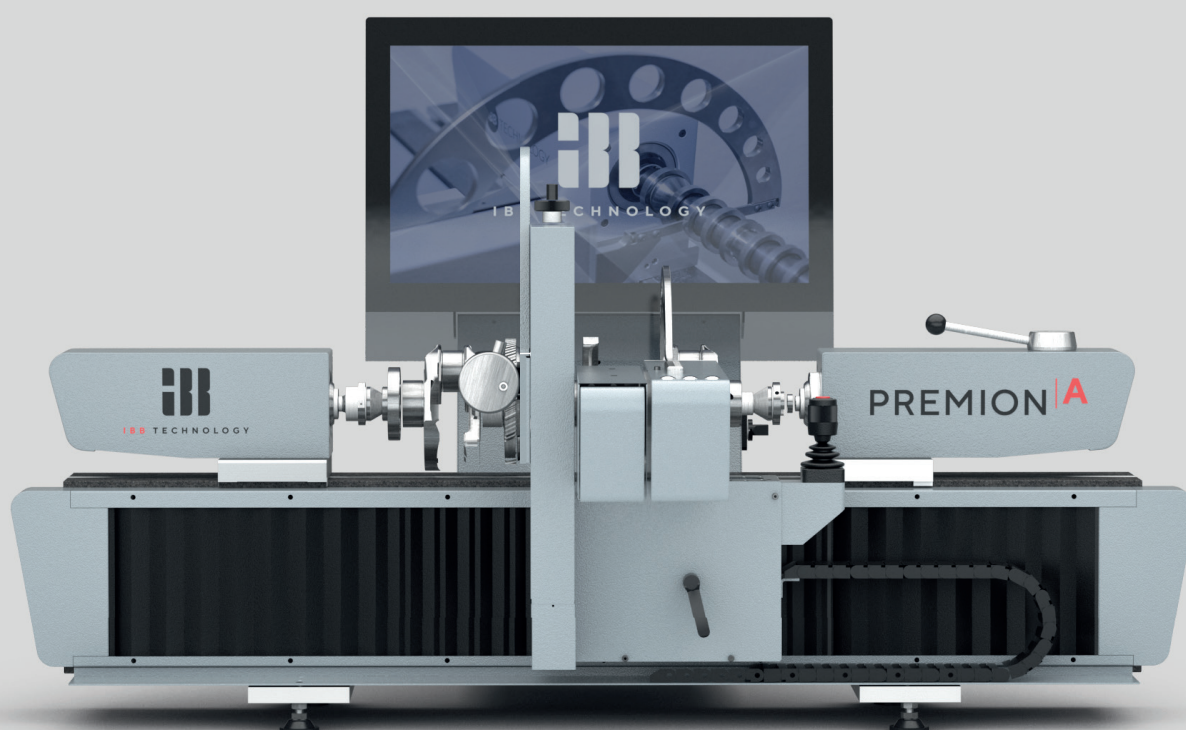




PREMION | A



Intelligent Bridges to Best Quality.

PREMION | A

It's a multisensor shaft-measuring device with which your measuring features can be measured and documented. The **PREMION A** is an automatic version of the **PREMION** series. The measurement process takes place fully automatically. The automatic measuring process gives an excellent repeatability. It replaces a large number of classical hand-held measuring tools used in production. With its modular design and the large choice of equipment **PREMION A** individually suits your requirements.

| APPLICATION

All measurements on rotationally symmetrical workpieces can be carried out directly in the production. This means a considerable gain in time and with that a big cost advantage for your production.

| SETUP

On stable base made out of granite there is a motorized length slide mounted guided on high-precision rails. The slide can be equipped with different automatic measurement modules which can be selected individually. The workpiece is received between the tips of head- and tailstock.

| HANDLING

The operator clamps the workpiece between centers. The operation is intuitive because of the touch panel. All features will be measured automatically according to the measuring program. The measurement results will be presented on the touch panel according to the tolerance. The results will be stored automatically as PDF and DFQ file (**AQDEF certified by Q-DAS**).

| TYPICAL MEASURING PARTS

Crankshafts, camshafts, gear shafts and almost all rotationally symmetrical workpieces.

| MEASURING CAPACITY

in standard version

Lengths: 400 mm, 800 mm, 1.200 mm

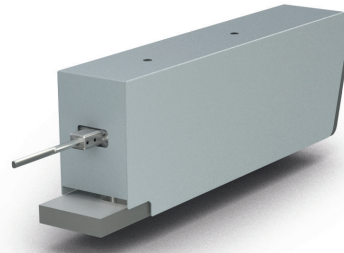
Diameters: 125 mm, 160 mm, 200 mm

| ACCURACY

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

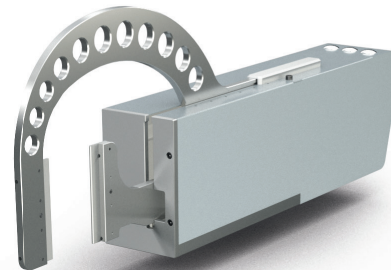
Diameters: $(0,9 + L/100) \mu\text{m}$,
L = Lengths in mm

| PREMION A MODULE



Automatic length module

Main measurements: Length, distance, center, face runout dynamic, perpendicularity, flatness, ...



Automatic diameter module

Main measurements: Diameter, concentric runout, roundness, concentricity, crowning, cylindricity, tip diameter, taper angle, ...



Automatic optical module

Main measurements: Chamfers angles, radius, diameter, length, intersection of line-line, intersection of radius-line, intersection of radius-radius, theoretical intersections, thread pitch, ...