

For over 25 years, IBS Precision Engineering, has been providing precision engineering solutions for the high-tech manufacturing sector, scientific instrument makers and research institutes. A safe haven when your ultimate goal is guaranteed precision.

Custom engineered solutions

When you need a custom solution, our dedicated team of engineers can deliver world-class measurement machines and measurement systems for ultra-precise parts, processes or instruments. We also design and manufacture modules which are integrated into our customers products, machines or instruments to ensure they achieve extreme geometric or kinematic accuracy. Accuracy down to picometer level is offered and traceability to international standards is rigorously implemented.

Our non-contact measuring systems

We offer a range of precision measuring systems with world class performance. For ultra-high precision in distance, position and motion measurement, our capacitive and inductive systems offer the highest resolution at the fastest bandwidth in the industry. For nanoscale surface measurement, we have unique high-speed areal interferometry with in-line capability.

Machine performance measurement

Machine qualification prevents errors before they occur. Our qualification tools are fast enough to integrate into the production schedule and intelligent enough to measure the full dynamic behaviour of the machine.

With solutions for machine tool linear axis, rotary axis and spindle, the latest generation of measurement systems in the field can measure the full accuracy of a machine tool in under a minute.

Porous media air bearings

When precision motion or positioning is required, porous air bearings offer proven performance advantages, such as near zero friction and wear, high speed, high precision capabilities and no oil lubrication requirements. These powerful advantages for today's machine designers make them a natural choice from coordinate measuring machines to roll-to-roll printing applications. From off the shelf bearings to modelling and simulation for advanced applications, IBS can provide the support you need.

We support equipment manufacture and measurement in the following industries: Semicon, Machine Tool, Printing, Industrial Test & Measurement, Scientific Instruments.

