

Encoders

Patented [Absolute Encoders](#) within every articulated joint are exclusive to Hexagon and make the Absolute Arm the only portable measuring arm that has completely eliminated warm-up times and encoder referencing before use.

Movement

The unique [Zero-G Counter Balance](#) system and low-friction rotating grips reduce user fatigue and maximise accuracy by minimising inertia.

Measurement

Multi-functional control buttons and a convenient [OLED wrist display](#) screen put measurement control directly in the user's hand, while a range of probes and 3D scanners deliver flexible measurement functionality.

Feedback

Easy user interaction in even the harshest industrial environments through [visual](#), [acoustic](#) and [haptic](#) feedback functions, now augmented with Bluetooth technology.



Materials

High-tech [carbon-fibre tube](#) construction ensures strength and thermal stability under any environmental conditions.

Security

The [HomeDock](#) and [SmartLock](#) features allow the arm to be stowed and locked in place between measurements, for greater security during transport, set-up and station moves.

Portability

True [wireless](#) connectivity and [hot-swappable batteries](#) give greater flexibility when moving the arm around the shop floor, along with [full WiFi](#) scanning performance with our rapid laser and structured light scanners.