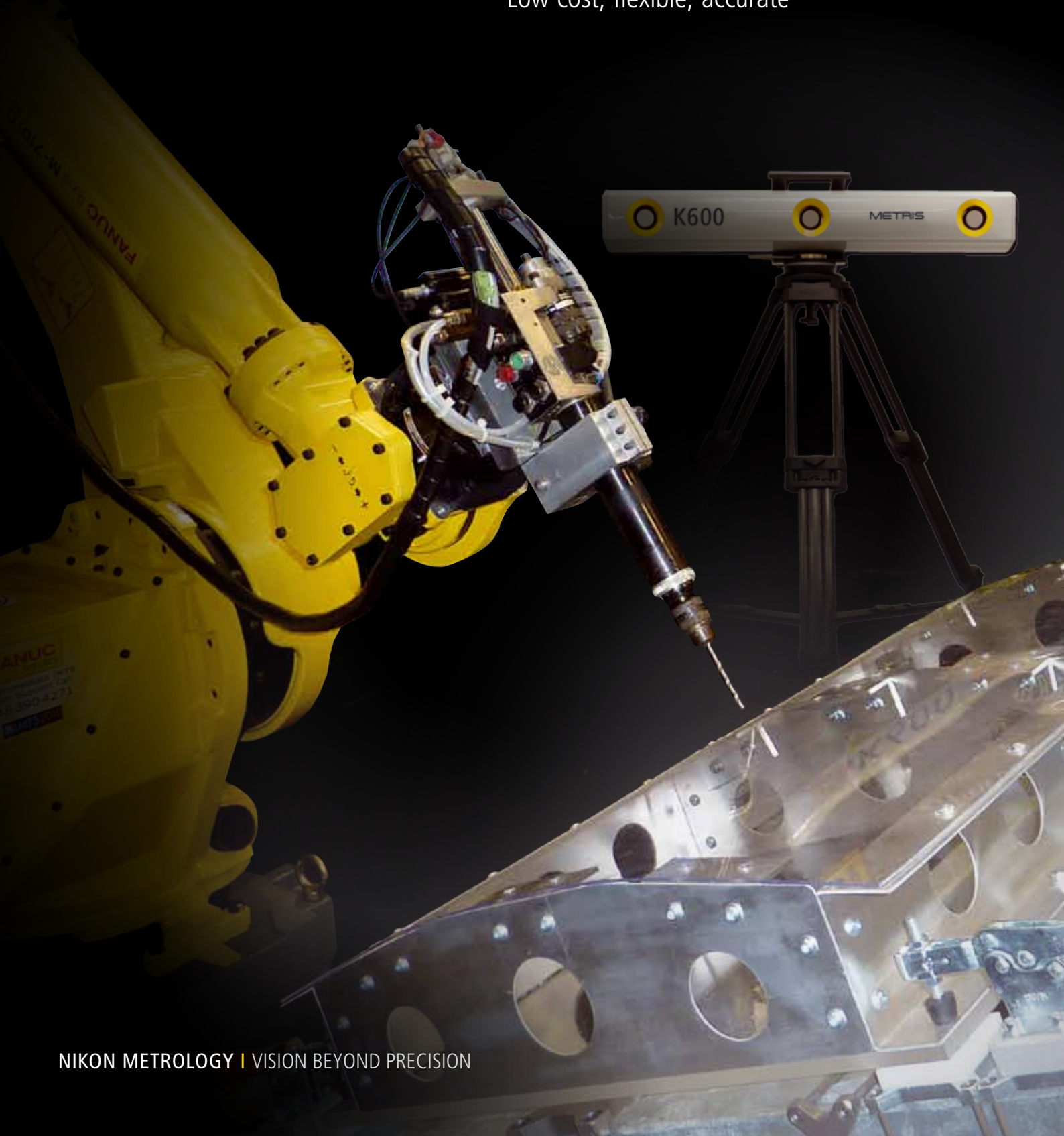




Adaptive Robot Control

Low cost, flexible, accurate



Features and benefits

Adaptive Robot Control (ARC) is a process of embedding a metrology system into a robot cell; controlling the robot to higher accuracies than are available with a robot's own coordinate system and construction. It's a highly effective, production proven process used in low cost, flexible robotic production systems in the aerospace industry.

Key benefits

- Production proven
- No concessions in over four years production
- Process control back to CAD nominal
- Fully integrated solution

Key features

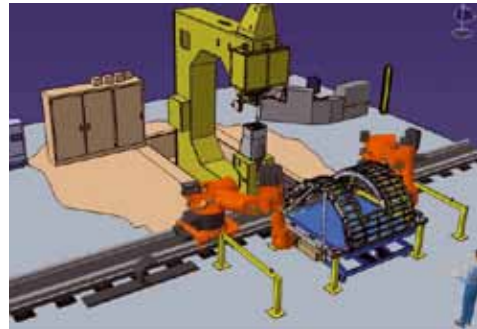
- Corrects robot position back to CAD nominal
- No manual re-teach, touch-up, or scrap. 100% as OLP
- Overcomes flexibility and accuracy issues of robots
- Without the cost and inflexibility of bespoke NC machines
- Highest accuracy robot solution on the market today

Applications

- Robot drilling, and other quasi-static processes

Technical specifications

- Available in scalable solutions; K-Series; multi-camera; and iGPS.
- ABB, Fanuc, KUKA, Motoman.
- Process accuracy (final hole position for example) better than 0.2mm.



Adaptive Robot Control - driven by Optical CMM or iGPS - establishes a closed feedback loop that nearly eliminates the influence of robot warm-up, drift and backlash.

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