

INTRODUCTION TO MSP

WORLD-CLASS METROLOGY SOLUTIONS

MSP specialises in the use of automation to eliminate errors from part-manufacturing processes. We deliver maximum part accuracy, less scrap and full traceability using our world-class precision software and hardware solutions.

We are experts in the use of 5-axis machine tool probing systems to generate high accuracy metrology-quality data. We understand how a lack of understanding of the complexity of probing systems leads to poor data and how this can cause part errors to be compounded throughout the part machining process.

As well as addressing metrology-based issues on machine tools, MSP's 5-axis automation solutions deliver a range of additional benefits that maximise the productivity of existing equipment on the shop floor.



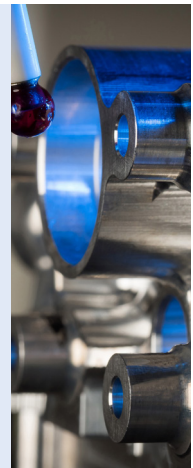
Improving the accuracy of 5-axis probing

MSP understands how to maximise the accuracy of machine tool probing systems. We ensure probes generate metrology-quality data and deliver results that can be trusted. We can advise customers where they are introducing errors, where their assumptions are incorrect and what the correct metrology process needs to be.

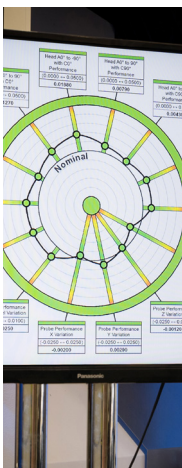
AutoClock

Using probing for part setup and alignment

MSP encourages the use of 5-axis probing to automate part setup. We can help solve complex part process problems for machine tool users. We have a customer list of global blue chip companies that demonstrates our ability to deliver world-class solutions in collaboration with machine tool OEMs and integrators.



NC-PartLocator



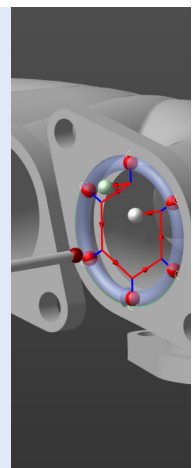
Automating machine tool performance checks

MSP achieves good results from probing systems by checking the geometric performance of the machine and the accurate movement of the probe tip. NC-Checker is automated, so there is no possibility for human error. It generates reports that can be understood by all abilities to identify the best equipment to fix errors on the machine.

NC-Checker

Introducing on-machine inspection

MSP knows how to create trustworthy inspection reports on machine tools, using CMM transfer standards to deliver accurate, repeatable results. Many companies want to use machines as measurement tools, but do not achieve the accuracy they need. MSP has decades of expertise to provide this as part of any machine delivery.



NC-Inspect



Visit mspltd.com to find out more about us.

Call us now on +44 (0)1665 608193 or chat online at mspltd.com

Building confidence in machine tool capability

MSP understands probing. We understand how machine capability impacts on accurate inspection results. We understand complex 5-axis part processes. We also understand how to implement novel, cost-effective fixturing solutions. We can bring all that understanding into your business to give your customers full confidence in your machines and the part manufacturing solutions you deliver.

MSP helps you:



DISCOVER multi-machine inconsistency



ERADICATE part-to-part variation



SAVE tooling costs with simple generic fixtures



INCREASE part production by 50% with automated part setup



CREATE 100% concession free part processes



DELIVER CMM-free production environments



ELIMINATE in-process CMM steps



STOP any requirement for zero-location fixtures



RECOUP 80% of your investment within days



REMOVE CMM backlogs with machine tool inspection



TRANSFER parts across machines in the middle of a job



IMPROVE health and safety with 100% closed-door operation



ACHIEVE 100% accurate probe setup and calibration



AUTOMATE condition of supply checks to avoid machining poor stock



IMPLEMENT accurate 5-axis probing solutions without expert knowledge



See how we have helped customers in
different industries at mspltd.com/case-studies:

