AUTOMATED
DRILLING & INSPECTION CELL
AVAILABLE NOW



A proven aerospace automation solution — available at a reduced entry cost.

$11,000
Per Month
T&Cs Apply
Available December 2026
2 Year Warranty

HIGH-ACCURACY ROBOTIC DRILLING
Precision drilling and countersinking for demanding aerospace applications.

AUTOMATED INSPECTION
Integrated optical metrology and inspection for process verification and quality data.

READY TO DEPLOY
A complete demonstration cell offering a faster route to aerospace automation.



IDEAL FOR
Aerostructures • Aircraft Manufacturing

ADVANTAGES
Reduced capital cost | Proven technology
Shorter deployment path

tpr

BOOK A TECHNICAL DISCUSSION
TRUE POSITION ROBOTICS
www.tpr.solutions

AUTOMATED DRILLING & INSPECTION

TRL9
PRODUCTION READY

A proven aerospace automation solution for aerostructure manufacturers

True Position Robotics are pleased to present our TRL9, production ready automated drilling and inspection (ADI) to aerostructure manufacturers. ADI overcomes time consuming manual drilling to reduce cycle times, guarantee no scrap, increase rates, reduce costs per part and provide full process traceability.

EXCLUSIVE OPPORTUNITY
Onboard unique technology at a reduced purchase price of $500k

"TPR automation does the work of 5 workers and saves 97% of the manual time."

STANDARD SPECIFICATION

SYSTEM / FEATURE	STANDARD
Robot Volumetric Working Area	**1000mm³ | 39.5"³**
Robot Volumetric Accuracy	**0.1mm | 0.004"**
Drill True Position Accuracy Confidence 99.73% (3-sigma)	**0.2mm | 0.008"**
Drill	**8KW (10HP) Liquid Cooled • ER20 (12mm (0.47") Dia x 21mm (0.82") Length) • Operating 24,500 RPM**
Drill Hole-to-Hole Speed (Gen8)	**~35 Seconds**
Drill Clamp Up	**Yes**
Countersink Depth Control	**Yes**
Dill Live Force Feedback	**Yes**
Drill Vacuum Extraction	**Yes**
Automated EOAT Changer	**Yes**
Automated Collet Changer (10 Station)	**Yes**
Three Frame Optical Tooling	**Yes***
System Availability	**95%**
Inspection Volumetric Accuracy	**0.078mm | 0.0030"**
Inspection Speed	**3 Million Measurements Per Second**
AMR Speed (OPTIONAL)	**1M Per Second**
System Availability	**95% (2-sigma)**
Program Management	**Yes**
Start, Stop, Pause & Recover	**Yes**
Manual Jog All Axis	**Yes**
Safety Interlocks	**Yes**
Alarms & Diagnostics	**Yes**
Wired Network	**Yes**
Certification	**CE / UL**
Operating Temperature	**10°C – 40°C (50°F - 104°F)**
Humidity	**<80%**
Cleanliness	**Aerospace Workshop**
Noise	**<75bD**

** Three Frame Optical Tooling can be designed to work with existing fixtures and work holding.*

OPTIONAL	AVAILABILITY
Increased Robot Volumetric Working Area	**Up To 15M**
Increased Collet Capacity	**Up To 30 Collets**
Engineering, Simulation, Programming, Installation, Training & Maintenance Services	**Available On Request**
Vibration Assisted Drilling	**Available On Request**
Fixture & Work Holding Services	**Available On Request**