

De-fastening and Match Drilling

Configurable Agile Mobile Robot (AMR) Solution

The WS5000 is a mobile drilling robot capable of de-fastening all different types of rivets, and match drilling new panels with near-zero defects. Designed for speed and adaptability, it can operate 24/7, and provides predictive maintenance insights through digital twin and fatigue data analytics.

Dimensions
14' x 8.2'

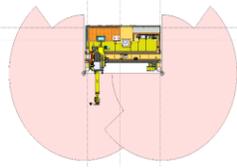
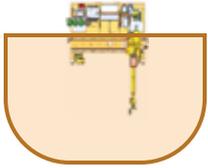


Work Area

L x W x H
30' x 10' x 11'

Safety Region

15' Configurable



Capabilities

- Defastens most rivet types.
- ~95% of rivets defastened.
- Positional Accuracy: 0.015".
- Materials: Aluminum, Steel, mixed stack.
- Mobile, modular and configurable for changing pieces or park stations.
- Scanning to create digital twins and data.
- Software defined for feature enhancements.

Customer Benefits

Up to 75%

Reduction in part cycle time.

Up to 4X

Increased capacity in same physical space.

Up to 80%

Reduction in manual labor.

- Near zero scrap or rework.
- Improved ergonomics and workplace safety.
- Reduced employee claims and workers comp.
- Flexibility to change parts, lines, or use case.

Pricing & Value

Robot as a Service (RaaS)

\$25K/Month Onwards

- Turnkey solution including installation and maintenance.
- Flexible contracts to scale up or down.

Purchase

Starting at

\$750K

+ installation

Maintenance starting

\$75K / Year



About Us

Wilder Systems delivers advanced robotics solutions to automate complex aerospace manufacturing and maintenance processes. Our team has designed and implemented solutions for the US Air Force, OEMs, and Tier I manufacturing partners. The AMR will increase throughput, decrease costs, and eliminate scrap and rework.

Contact Us

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