

WS2000

The WS2000 is a configurable automated solution that reduces production cost and increases worker productivity by combining intelligent robotics, modular end-effectors, and smart mobile platforms into a powerful manufacturing solution - without disrupting production.

Capabilities:

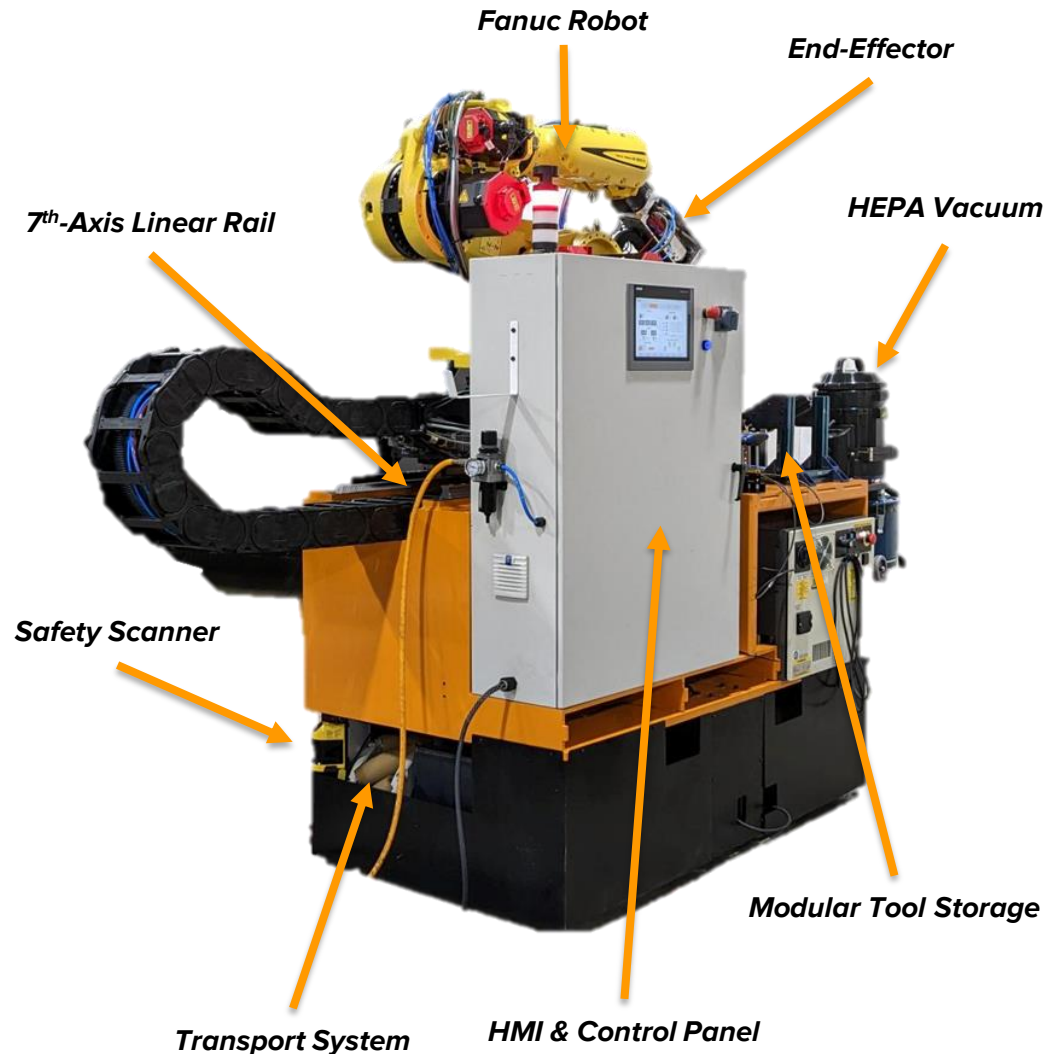
- Advanced Drilling/Countersinking
- De-fastening
- Aircraft Washing
- Non-Destructive Inspection
- De-Painting
- De-Icing
- Surface Preparation

Features:

- Computer Vision System
- Automatic Work-Piece Docking
- Automated Tool Changing
- Omni-Directional Mobility

Benefits:

- Scrap Rate Reduction
- Cycle Time Improvements
- Ergonomic Injury Reduction
- No Required Facility Modifications



Specifications:

Robot:

Model:	Fanuc M-800iA/60
Maximum Load Capacity:	130 lbs. (60 kg)
Controlled Axes:	7 (with rail system)
Repeatability:	0.0012" (0.030 mm)
Average Power Consumption	2.0 kW

Control Systems:

Robot Control Unit:	Fanuc R-30iB
PLC Controller:	Siemens S7-1512FC
HMI:	Siemens TP1200 Comfort Panel

System:

Mobility:	Omni-Directional Wheels
Dimensions (L x W x H):	6 ft. x 3.3 ft. x 6 ft. (1829 mm x 1016 mm x 1829 mm)
Lifting & Lowering:	Hydraulic Actuators
Work Envelope (L x W x H):	10 ft. x 3.5 ft. x 10 ft. (3048mm x 1067mm x 1829mm)

Requirements:

Electric:	480V/3ph/20A/60 Hz
Compressed Air:	90 PSIG
Data Connection:	Ethernet

Representative Projects

A-10 Defastening
Hill AFB



KC-135 Skin Defastening
Tinker AFB



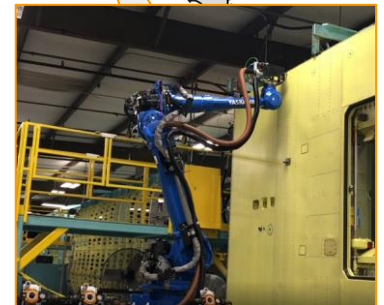
M600 Wing Drilling
Vero Beach, FL



B-1B Defastening
Tinker AFB



F-16 "Viper Wash"
Lackland AFB



CH-47 Fuselage Drilling
Crestview, FL

About Us

Wilder System is an industrial services company that provides advanced robotics solutions to enable complex aerospace manufacturing and maintenance processes. The US aerospace industry spends \$58 billion per year on direct labor and wastes countless hours on manual processes that are labor intensive and defect prone. Wilder robots reduce production costs and increase worker productivity by combining automation, smart mobile platforms, and our low-cost robot tools into a powerful, IoT-enabled system which can be deployed without disrupting production or rearranging the plant. Robotic solutions can be provided using a traditional CAPEX model; or in addition, Wilder's "Robots as a Service" model allows your business to immediately realize ROI from labor savings and increased product quality. Our team has designed and implemented solutions for the US Air Force, OEMs, and Tier 1 manufacturing partners. We look forward to deploying a custom solution for your operation.



SCAN HERE

To see robots in action



CONTACT US

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