

4 head robotic pass through cleaning

i About

The RoboFlow™ PT is a complete system with three main components

1. A center-referenced 4-point vinyl welder that can weld up to 4 sash or frame at a time
2. Articulating conveyors to move sash and frame from the welder to cleaner
3. 4 head robotic station for cleaning and fabrication

The RoboFlow family of products streamlines the process from welding through cleaning. The RoboFlow™ PT rounds out the RoboFlow product family as a pass through system that takes cut vinyl from welding through cleaning with just one operator at faster cycle times.

After welding up to four profiles at once, the profiles are moved on conveyors to cleaning. Four robotic cleaning heads reduce cycle times while maintaining the highest levels of precision and repeatability. The versatile tooling package on each robot head allows for cleaning, and fabrication during the cleaning cycle. The blend of robotics and automation reduces labor, speeds up your process, and improves your windows.

✓ Features

- Eliminate handling between welder and cleaner
- 4-point welder with the ability to automatically transfer up to 4 profiles per weld cycle
- Integrated computerized schedule or bar code-generated scheduling
- Versatile tooling package for cleaning and fabrication
- 4 robot cleaning stations for short cycle times
- Convenience loading of the welder
- Powered offload or gravity drop table
- Frame and sash versions
- Dust and scrap conveyor
- Eliminate need for manual touch-up

Performance Specifications

	Sash (quad stack)	Frame (triple stack)
System minimum* (WxH)	14" x 11.5"	20" x 20"
System maximum	72" x 72"	96" x 120"
Profile min/max	0.5" - 1.75"	1" - 6"
Finished size accuracy	+/- 1/32	+/- 1/32

*profile dependent

Standard Equipment

- Center-referenced welder
- Conveyors—quantity determined by stack level
- Gravity drop table
- 4 robot cleaning heads

Tooling	
Sash	Frame
Corner router	Router
	Vertical knife
	3.5" mini disc
Horizontal knife	
Bottom floating knife	
Top floating knife (upgrade)	

System Controls

- B&R PLC machine controller
- Machine sizing via local keypad entry, network download and bar code communication
- ABB robot controller

Upgrade Options

- Powered offload conveyor
- Barcode scanning
- Dust conveyor & collection
- Dust containment room
- Floor blower

Complimentary Products

- SD20 Saw
- MC2000 & MC3000 Fab Centers
- Weld Break Tester

Preferred Service Package

- Pre-installation service call
- Machine installation
- Standard GED 1-Year Equipment Warranty
- Machine operator/maintenance training



Request for Quote

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Designed & Manufactured in the USA

About GED Integrated Solutions

GED Integrated Solutions is a Worldwide Supplier of fully integrated insulating glass (IG), vinyl window and door robotic automation fabrication systems and software. GED leads the industry with quality, capacity and cost-effective solutions as demonstrated by the revolutionary *Intercept*® Warm Edge spacer frame production systems as well as our innovative vinyl automation systems and value-driven scheduling and analytics software. GED's commitment to innovation, that addresses our customers' needs, is proven by the fact that 22 of the top 25 window and door manufacturers utilize GED's equipment and software.