

CONFIGURED
PRODUCTS

PRODUCTIVITY
INNOVATION

FlexFast™

HD Window Welder

Ver. 1.0



CenterLine (Windsor) Limited

CENTERED ON SOLUTIONS

FlexFast™ Fastener Solutions

The new FlexFast HD Window Welder offers the features of the industry-tested FlexFast Family solutions, including flexibility, durability and performance in a standard configured product. In addition, it provides significant production throughput and quality improvements.

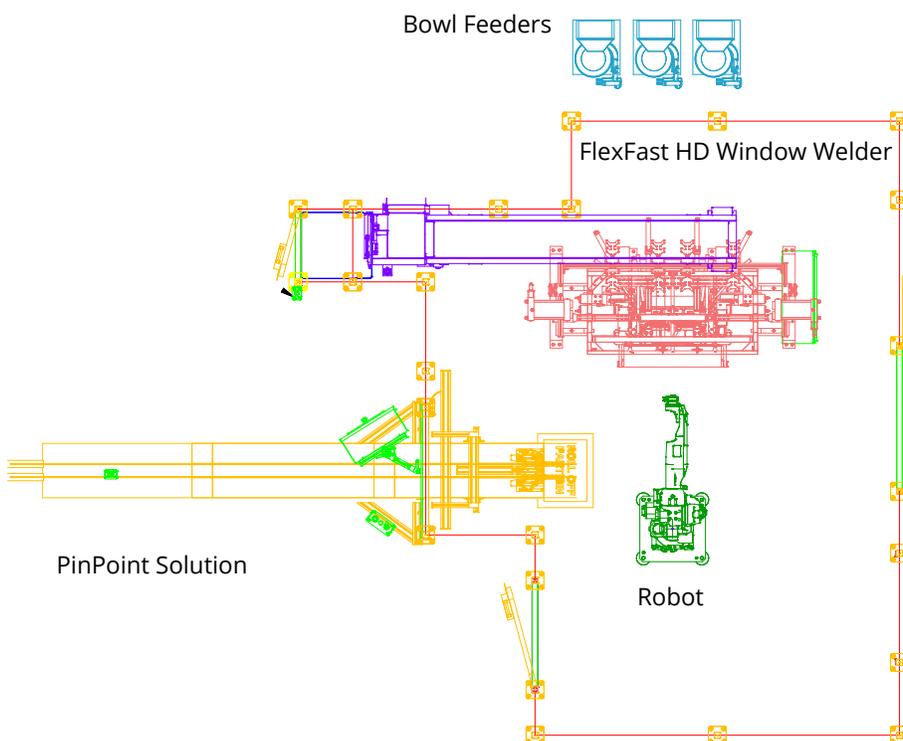


FEATURES

- 800mm Platen & 1400mm Platen.
- Window Frame will support large cylinders for welding large ring fasteners, 16000 lbs/70 kN maximum weld force.
- Finished parts are ejected through the window, they do not return to the operator.

Interchangeable Tooling Platen with Automatic "Locate & Lock"

High Speed Fastener Solution



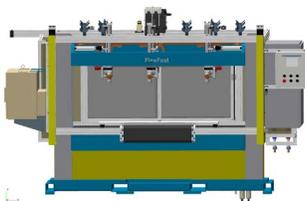
HD Window Welder

Automated Robotic Cell with PinPoint™ buffered infeed solution, HD Window Welder.

Specifications

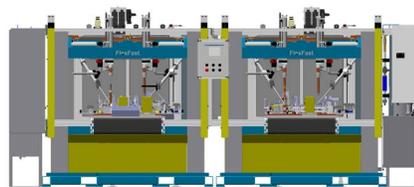
	CLCS FlexFast Lite	FlexFast Standard	FlexFast HD	FlexFast HD Window
Actuator Options	OHMA Air/Oil (single or dual)	OHMA Air/Oil (single, dual or triple), Servo, Pneumatic	OHMA Air/Oil (1-8 cylinders), Servo, Pneumatic	OHMA Air/Oil (1-8 cylinders), Servo, Pneumatic
Fixed Weld Actuators (Manual Position Adjustment)	2 maximum	4 maximum	8 maximum	8 maximum
Programmable Weld Positioner	Not Available	2 max., 300mm travel/each (side-to-side)	4 max., 300mm travel/each (side-to-side)	4 max., 300mm travel/each (side-to-side)
Maximum Welding Force	13.3kN (3,000lbs)	35.6kN (8,000lbs)	70kN (16,000lbs)	70kN (16,000lbs)
Max. Tooling Platen Size (width and depth)	152mm x 460mm	225mm x 500mm	225mm x 800mm 225mm x 1,400mm	225mm x 800mm or 225mm x 1,400mm
Working Envelope	400mm wide Lower platen fixed	200mm x 400mm	200mm x 1,400mm	200mm x 800mm or 200mm x 1,400mm
Throat Depth	320mm or 600mm (12.6" or 23.6")	410mm (16.1")	410mm (16.1")	Unlimited
Throat Height Range (Barrel to Platen)	421mm (16.6")	402mm (15.8")	402mm (15.8")	466mm (18.3")
Interchangeable Tooling Platen Automatic "Locate & Lock"	Interchangeable tooling, fixed lower electrodes	Fixed or 200mm programmable (front-to-back)	Fixed or 200mm programmable (front-to-back)	Fixed or 200mm programmable (front-to-back)
Transformers	MFDC: Size 2, 3, 4	MFDC: Size 2, 3, 4, 6	MFDC: Size 2, 3, 4, 6	MFDC: Size 2, 3, 4, 6
Dual Station Machine	Not Available	Any combination of the FlexFast Standard, FlexFast HD and FlexFast HD Window	Any combination of the FlexFast Standard, FlexFast HD and FlexFast HD Window	Any combination of the FlexFast Standard, FlexFast HD and FlexFast HD Window

Configurations



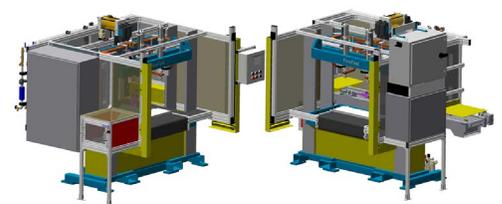
HD WINDOW WELDER

Wide Platen
High Electrode Force
Three OHMA Weld Cylinders



DUAL STATION HD WINDOW WELDER

Two Individual Platens
Independent Work Areas



DUAL HD WINDOW WELDER 90 DEGREE LAYOUT

FEATURES

Production through-put is the main benefit of CenterLine's newest FlexFast, the Window Welder. The operator loads the part, which is automatically ejected through the window into chute or onto a part conveyor away from the operator/team member.

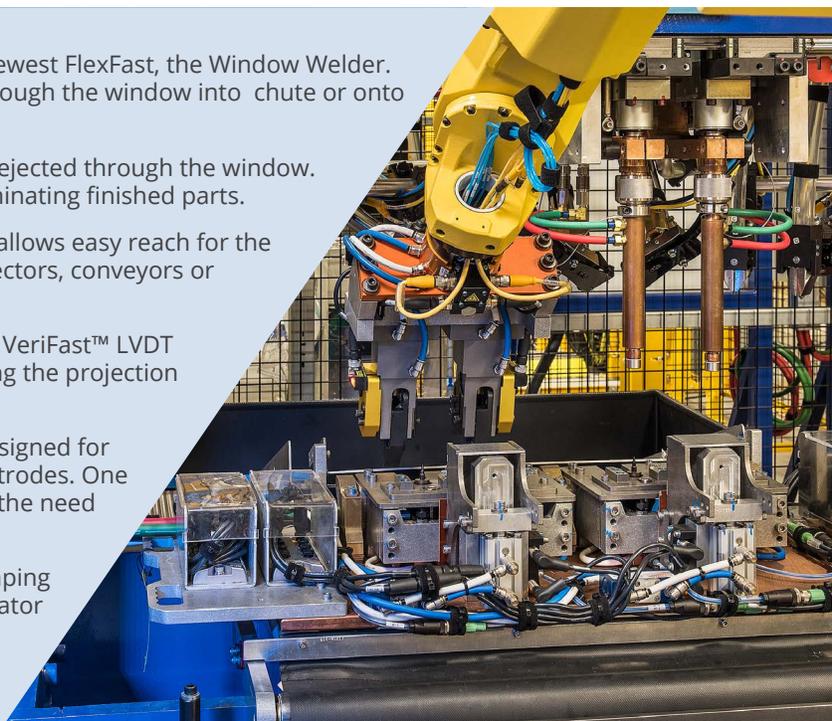
Quality controlled material flow, where only good parts are ejected through the window. This prevents a robot from dropping when loading and contaminating finished parts.

Ejecting parts through the window to a conveyor or chute allows easy reach for the operator to load parts; no interference from front mounted ejectors, conveyors or chutes.

Integrated error-proofing to ensure quality projection welds. VeriFast™ LVDT Nut Detection System is the most reliable system for monitoring the projection welding process.

The large Quick Change Tooling Platen allows one fixture designed for multiple part types and fasteners that use the same lower electrodes. One fixture can often be designed to weld all the parts, eliminating the need for multiple fixtures and reducing changeover time.

Fastener feeder spears mounted to the opposite side of stamping load area to allow for an open and clear area for robot or operator to load stampings. Also permits clear access for maintenance personnel and fixture exchange.





CenterLine (Windsor) Limited
CENTERED ON SOLUTIONS

CONTACT US

www.cntrline.com



Platinum member



415 Morton Dr.
Windsor ON
N9J 3T8



Telephone:
+1 519-734-8464
Fax:
+1 519-734-2000



E-mail:
info@cntrline.com