

U-R-B-A-N

Trust. Right from the start!

AKS 1300

4-Point Vinyl Welding Machine



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- Heavy duty horizontal four point welding machine for vinyl window sash profiles
- Standard parallel thrust welding yields strongest corners and fastest cycle times
- AKS-1300 welders are modular units but can be connected inline with any Urban single head or feed through CNC corner cleaner if ordered with the optional auto unloading conveyors
- Independent clamping feature for double stack welding reduces tolerance accumulation in dissimilar profiles often used in sash production
- Ability to double-double stack for maximum production rates or welding flexibility

- 3-axis resolver driven motion for fast, reliable and accurate sizing
- Ability to weld unequal or equal offset sash systems
- Ease of maintenance features include accessible and numbered components, real time temperature monitoring, maintenance menu with full diagnostics, and quick-change weld fixtures
- Includes network-ready industrial computer control



Technical Specifications AKS-1300

	IMPERIAL	METRIC		IMPERIAL	METRIC
Main Power Voltage	400 VAC	400 VAC	Profile Height (max)	2.36"	60 mm
Total Power Output	8 / 11.4 HP	6 / 8.5 kW	Profile Width (min)	0.8"	20 mm
Current	10/13 FLA	10/13 FLA	Profile Width (max)	2.36"	60 mm
Air Pressure	100 psi	7 bar	Outside Sash Size (min) (X x Y) less fixture width	11.81" x 11.81"	300 mm x 300 mm
Air Consumption per cycle	1.4 ft ³ @ 100psi	40 L @ 7 bar	Machine Weight	<i>(See table below)</i>	
Profile Height (min)	No minimum	No minimum	Machine Dimensions	<i>(See table below)</i>	

Model	Outside Sash Size (max) (X x Y)	Machine Dimensions (L x W x H)	Machine Weight
16/14	64" x 58" (1630mm x 1465mm) less fixture width	156"x99"x57" (3969x2522x1458mm)	3,858 lbs. (1,750 kg)
22/14	88" x 58" (2230mm x 1465mm) less fixture width	180"x99"x57" (4569x2522x1458mm)	4,299 lbs. (1,950 kg)

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