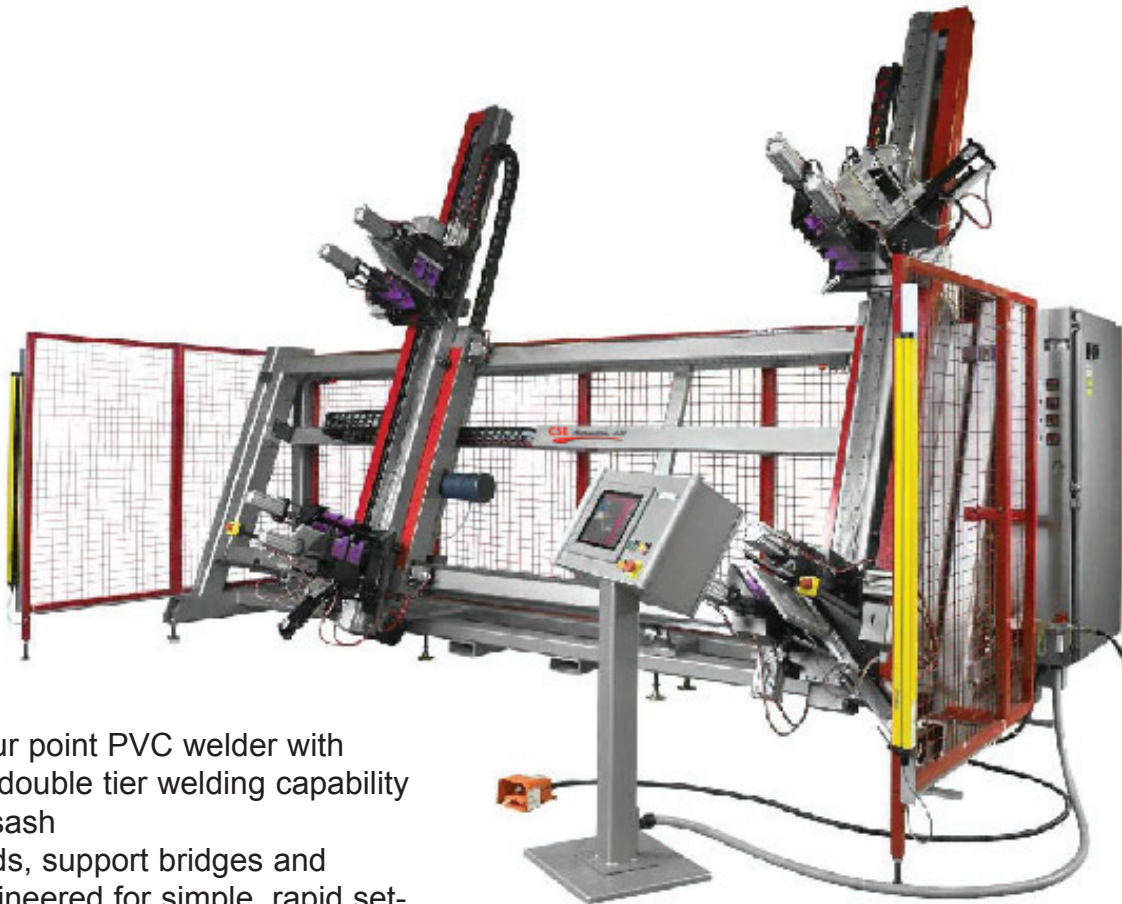
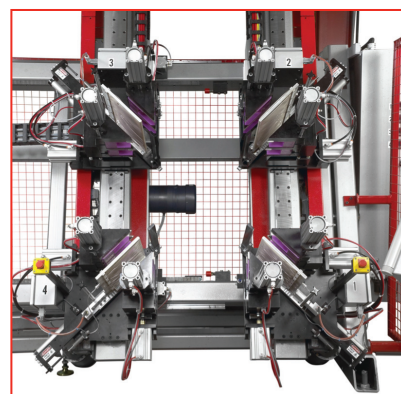


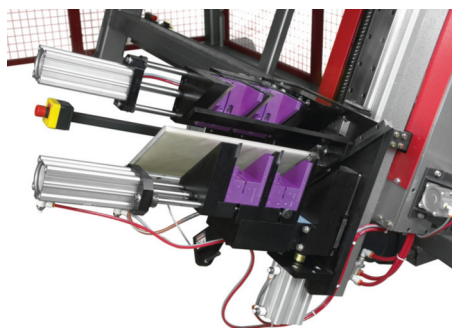
VW-400 VERTICAL WELDER



Features

- Automatic four point PVC welder with single tier or double tier welding capability for frame or sash
- Welding heads, support bridges and bearings engineered for simple, rapid set-up, minimal adjustment and longevity
- Weld head design features parallel welding capability
- Heavy-duty, welded steel frame avoids twist and deflection
- Vertical movement via ballscrew axes; horizontal movement via two precise spur gear racks
- Small operating footprint - machine can be placed against a wall, or back to back with another welder
- Optional welding of notched frames for sloped sill window systems
- Available in weld size capacities from 72" x 72" to 144" x 96"
- Operator interface via industrial grade PC workstation with flat panel, liquid crystal display, touch screen functionality and operation software developed by CSE Automation, LLC for optimum efficiency





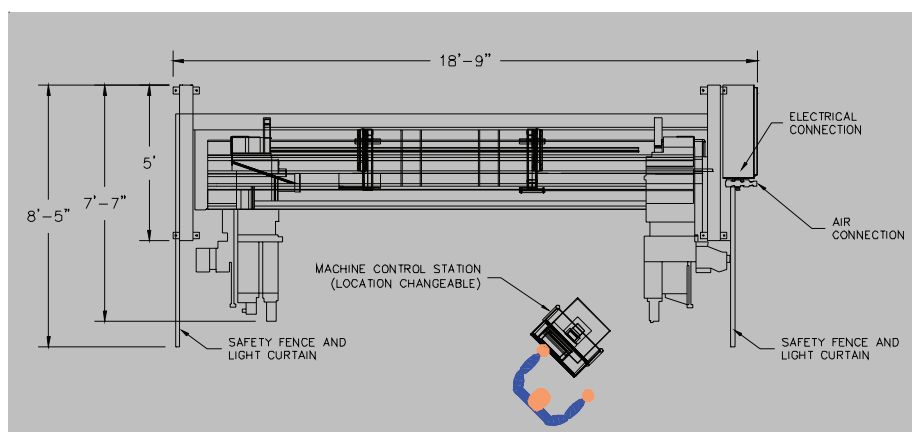
VW-400 VERTICAL WELDER



"Clamp-to-Center" design with fixed tier reference point providing true independent welding between top and bottom tier, minimizing "out-of-face" welds.



Industrial PC color interface with touch screen functionality



Dimensioned 12' x 8' machine footprint with standard safety light-curtain

TECHNICAL SPECIFICATIONS

VW-4000 Vertical Welder

Profile Capacities Data*

| | |
|------------------------|---|
| Maximum profile height | 6.0" without fixtures (5.375" with fixtures) |
| Maximum profile width | 5.0" (extrusion cross-section including nail or stucco fin) |

Weld Size Capacity Data*

| | |
|-------------------|--|
| Maximum weld size | 100" x 76" without fixtures (96" x 72" with fixtures) |
| Minimum weld size | 14.25" x 14.25" without fixtures (10.25" x 10.25" with fixtures) |

* Subject to change based upon fixture requirements, profile shape, complexity and angle of notch for sloped sill systems

Approximate Machine Dimensions (8' x 6' Model)

| | |
|--------|------------|
| Length | 16' - 8" |
| Width | 7' - 7" |
| Height | 10' - 11" |
| Weight | 7,500 lbs. |

Utility Requirements (CSA Certification Available)

| | |
|----------------------------|--|
| Standard Voltage | 220** Volts, 3 Phase, 50-60 Hz (Alternate voltages by transformer) |
| Amperage (FLA) | 31.5 amps |
| Air pressure | 80 to 120 psi |
| Air Consumption, estimated | 9.0 cu.ft./cycle |

** 240 Volts recommended

Technical information as of December 7, 2006. CSE Automation, LLC reserves the right to make changes.

VW-400 / 02-10

CSE Automation, LLC

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