

VUP Series

VERTICAL-UP WELDER (VUP)



The Koike Aronson/Ransome single pass Vertical-Up welder (VUP) can complete 10-12 vertical seams on a field erected storage tank with 8' tall x 1" thick seams in one work shift. X-Ray quality welds with one operator and one machine.

The frame consists of a vertical column mounted on a powered carriage and roller assembly that rides on the top edge of the tank shell.

Lift controls include up/down switch, high/low speed potentiometers and rapid speed selector that control a variable speed motor that is electronically integrated with the welding control, which automatically adjusts speed to maintain the optimum nozzle to weld puddle relationship.

A Lincoln NA-3 head and control is supplied with two K-176 Nozzles for welding with either 3/32" or .120" diameter NR-431 Innershield wire. The NA-3 head is mounted on a free moving slide providing manual lateral adjustment. An air operated bracket supports an articulated copper shoe assembly.

**10 to 12 vertical tank seams in one shift with
deposition rates of 48 lb/hr**



KOIKE ARONSON, INC. / RANSOME

Features

- X-Ray Quality Welds
- Single Pass Operation
- Adjustable frame for plates 6ft to 10ft tall (1.8m-3m)
- Unlimited tank diameters
- Optional Powered Oscillator
- for 1-1/4" to 3" plate
- Standard Powered Lateral Travel



Specifications

Vertical-Up Welders

Single-Pass Process for Mild Steel

Includes

Lincoln **NA-3** Wire Feeder and Control
Lincoln **DC-1000** Power Source
Vertical Support Column
Front and Rear Sliding Shoe
Water Recirculator
Power Skid
Lifting Bale
Input Power Disconnect
Tropicalized Controls.
200 feet of Control Cable Assembly
Powered Lateral Travel
Operators Manual
Tool Kit

Notes:

- ◆ Multi-Pass MIG Models Available
- ◆ Portable Track Guided Models Available
- ◆ Custom Engineered Models Available



Koike Aronson / Ransome's single pass Vertical-Up welding system for field construction welds 20 times faster than conventional stick electrodes.

No joint preparation is required, square butt design saves construction time and money.



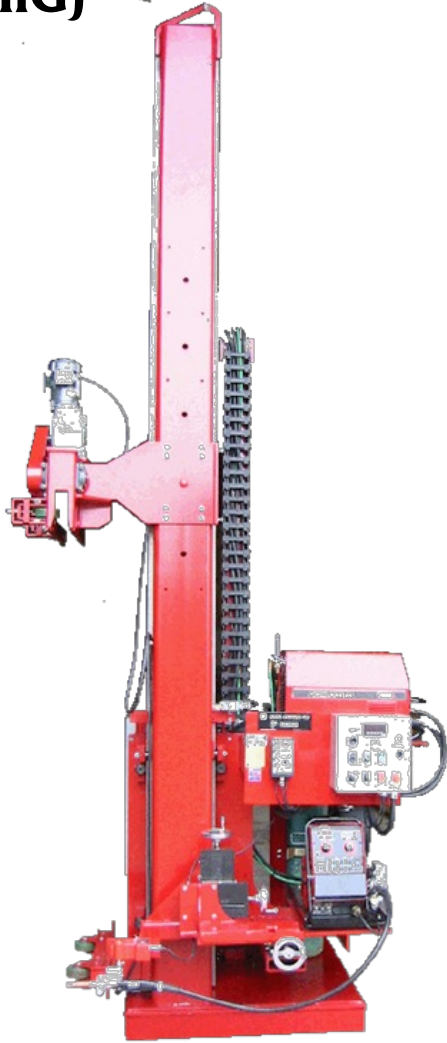
Adjustable for plates from 6' to 10' tall

 **Koike Aronson Inc.**

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VUP Series

VERTICAL-UP MIG WELDER (VUP-MIG)



The VUP-MIG is designed for an open arc welding process with a gas shield. Bi-directional welding travel, with controlled speed, self-supporting, hangs directly on tank shell. All components integrated onto the lift column. The column will support all welding equipment, including power source and gas cylinder.

Adjustable frame for plates 6' to 10' Tall

Features

- Ideal for nickel or stainless plates
- Adjustable frame for plates 6ft to 10ft tall (1.8m-3m)
- Unlimited tank diameters
- Up/down, high/low rapid travel select controls
- Rack and pinion drive for positive vertical motion
- Powered lateral travel for moving from joint to joint



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Specifications

Vertical-Up Welders

Includes

Vertical support column.
Welding head support table with support rollers
Cross slide to provide in-out, right –left and height adjustment (Manual)
Torch weaver (Oscillator) (KSK WU-1 Weaver)
Operators controls
Power source platform mount
Gas cylinder mount
Lifting bale.
230/380/460V - 3PH – 50/60HZ.
Manual or powered lateral travel
Operators manual
Tool kit

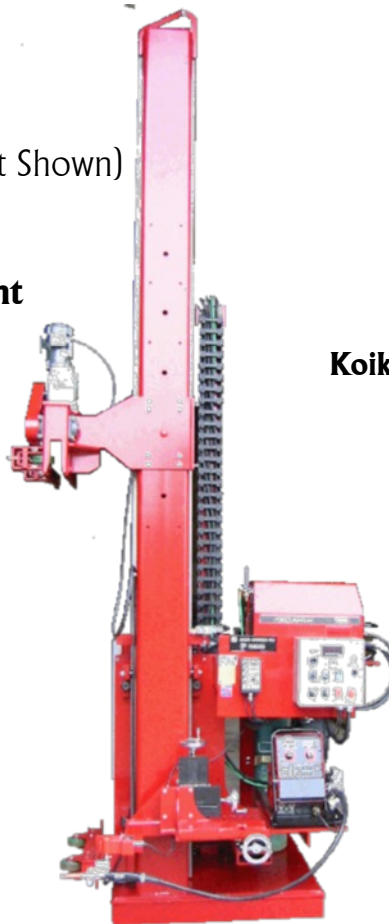
Optional removable operator platform (Not Shown)

Recommended Miller Welding Equipment Supplied and integrated by Koike, or Customer Supplied

XMT 350 CC/CV Power Source
S-74D Wire Feeder w Wire Reel
Wire straightener for 1/16 - 3/32 Wire
Work Cable w/ Ground Clamp
400 Amp Mechanized Torch,
Gas Connection Kit w/ gas Regulator

Notes:

- ◆ Single Pass Verti-Shield Models Available
- ◆ Portable Track Guided Models Available
- ◆ Custom Engineered Models Available



Koike WU-1 Weaver Control

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