

# 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**

## 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.**



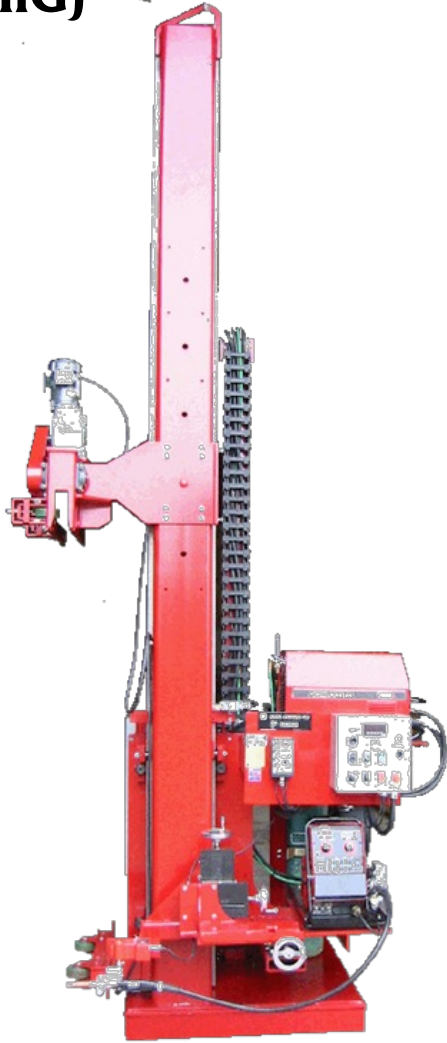
**Adjustable for plates from 6' to 10' tall**

 **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



**KOIKE ARONSON, INC. / RANSOME**

# 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

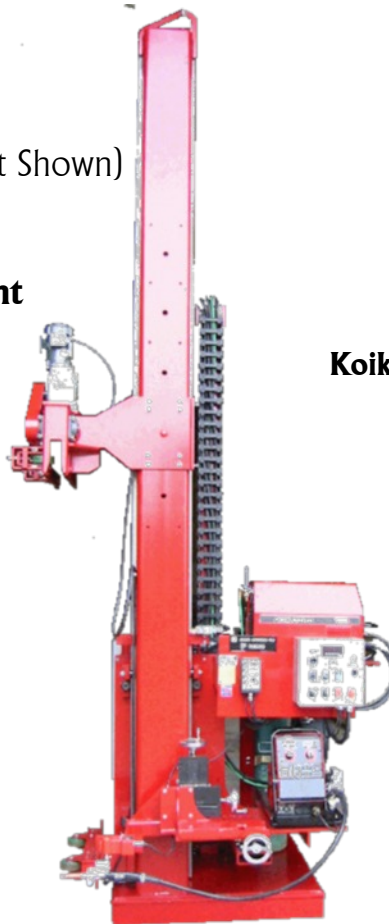
Optional removable operator platform (Not Shown)

### 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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