

Sub-Arc Welding Manipulator System Pandjiris

**Excellent Working Condition
& Ready For Immediate Use!**

\$49,000.00 (sold as is)



Pandjiris Manipulator

Model: 1400 Series: 800-5303-2

Vertical Boom Travel: (Floor to Bottom of Boom)
21-1/8" Minimum - 14' 9-1/8" Maximum
Hoist Speed: 48 IPM Constant Speed
Hoist Motor: 1 H.P. AC Brakemotor

Horizontal Boom Stroke: (From Center of Column)
14' Stroke beginning 27-1/2"
Horizontal Boom Speed: 3 to 116 IPM
Variable Speed
Horizontal Boom Motor: 1/2 H.P. DC Motor

Anti-Fall Device: Spring loaded, self energizing pawl mounted on the crosshead and a column mounted rack.

Bolt Down Base: Size 40" x 40", with (8) 13/16" Drilled holes on 37-1/4" bolt center.

Control: Pendant control equipped with joystick for Boom "Up-Down-In-Out". Boom Speed Potentiometer and a Weld-Rapid Selector Switch. Pendant controls operate on 115 volts on 25' of rubber covered cable.

Electrical: Operates on 575/600 input power.

Pandjiris Manipulator Model 1400 with a 14' nominal arc height and a 14' horizontal boom stroke at a variable speed of 3" to 116" per minute and mounted on a bolt-down base. Electronically controlled with dynamic braking beginning 27-1/2" from the centerline of the column.

Subarc includes:

Welding head, all motors, controls, interconnecting cables, welding controls with power source, wired and ready to operate. Also includes pneumatic circular weld follower mechanism to facilitate circumferential welding.

Welding system includes:

- Lincoln Electric NA-5 control
- 2 Lincoln Electric power supply's (600 amps each with variable polarity 100% duty cycle)
- Heavy duty drive system typically capable of up to 0.187" wire.
- Precision torch mounting hardware



Welding Head
Follower Mechanism



Automatic Wire Feeder Control

Model: Lincoln Electric NA-5 056-SA
Input Power: 115 VAC 50/60 Hz
Processes: Flux-Cored, Submerged Arc
Wire Size Range: .035 - 7/32 in. (0.9 - 5.6 mm)
Wire Feed Speed Range: 25-775 ipm (0.6-16.5 m/min)
Dimensions (H x W x D) 12.75 x 18.5 x 22.25 in.
(324 x 470 x 565 mm)
Net Weight: 41 lbs. (18.6 kg)



Flux Hopper with Contact Nozzle

Includes wire feed head with straightener for solid wire, flux hopper with automatic valve and head mounting. Also includes electrode cables from control box to wire contact assembly, and cross seam adjuster.



DC Main Supply

Model: Lincoln Electric DC-600 Idealarc
Series 310623
575v, 45.2 amps



DC Slave Supply

Model: Lincoln Electric DC-600 Idealarc
Series 312846
575v, 45.2 amps

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