The **Double 8 Manipulator**, size 8 x 8, is mounted on a bolt-down base. It has an 8' nominal arc height and an 8' horizontal boom stroke at a variable speed of 3" to 110" per minute. This is electronically controlled with dynamic braking beginning 21" from the centerline of the column and 360-degree manual column rotation. The standard electricals are 230/460 volts, 3 phase, 8/4 Amps, 50/60 Hz with 24-volt controls. A fused disconnect is included and is interlocked with the door. Wired to conform to National Electrical Code Standards.

**Vertical Boom Travel** ........................................20-5/8" Minimum, 112" Maximum, Floor to Bottom of Boom.  
Hoist Speed........................................73 IPM Constant Speed  
Hoist Motor ........................................½ H.P. AC Brakemotor

**Horizontal Boom Stroke** .................................8' Stroke beginning 21" From Center of Column  
Horizontal Boom Speed .................................3 to 110 IPM Variable Speed  
Horizontal Boom Motor .........................1/3 H.P. DC Motor

Anti-Fall Device .................. Spring loaded; self-energizing pawl mounted on the crosshead engages column face.  
Column Rotation .................. Manual 360-degree rotation with a manually operated screw friction lock.  
Bolt Down Base .................. Size 15" x 15", with (4) 13/16" Drilled holes on 13" square.  
Control .......................... Pendant control equipped with joystick for Boom "Up-Down-In-Out".  

10-Turn Boom Speed Potentiometer and a Weld-Rapid Selector Switch. Pendant controls operate on 24 volts on 35' of rubber covered cable.

**Electrical** ........................................... 230/460 Volts, 8/4 Amps, 50/60 Hz

The following price is for the basic manipulator, including all motors and controls, wired and ready to operate. Price does not include any welding heads, welding controls power source, flux recovery systems, or interconnecting cables, nor does it include the mounting or wiring of these items.

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<td>A</td>
<td>Overall Height</td>
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<td>B</td>
<td>Boom Track Blade</td>
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<td>C</td>
<td>Min. Rear Clearance</td>
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<td>D</td>
<td>Boom Retract</td>
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<td>E</td>
<td>Boom Stroke</td>
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<td>C.G. Distance</td>
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<td>Max. Load End/Total</td>
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<td>H</td>
<td>Max. Boom Height</td>
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<td>I</td>
<td>Min. Boom Height</td>
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<td>J</td>
<td>Boom Centerline Offset</td>
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**Terms:** Pandjiris, Inc. standard terms and conditions apply, f.o.b. Factory, St. Louis, Missouri, or designated ship point.

**Delivery:** Consult Factory

**Shipping weight:** 1,200 lbs.
SERIES 800 MANIPULATOR
Options and Accessories

For column or boom addition, add per foot
For column or boom deletion ..................................................................................................................................................... N/C
For free standing base
For Power Cable Track for Column and Boom (For sizes other than 8x8, Consult Factory)
Preset digital tachometer in manipulator joystick hand pendant, reads in IPM or CmPM, for boom
For variable speed hoist, 3 to 73 IPM
For “Step-Over” control, allows indexing of boom movement for overlay operations etc.
For flashing red light at column top and boom end with audible alarm
For special voltages, add................................................................................................................................................................. Consult Factory
For 1-1/2 H.P. Flux recovery unit - installed (including hose), add........................................................................................................ Consult Factory
For 3 H.P. Flux recovery unit - installed (including hose), add......................................................................................................... Consult Factory
For 5 H.P. Flux recovery unit - installed (including hose), add........................................................................................................ Consult Factory
For 7-1/2 H.P. Flux recovery unit - installed (including hose), add.................................................................................................. Consult Factory

WELD EQUIPMENT MOUNTING CHARGES
Pandjiris will mount and integrate welding head and control packages on the above manipulator. The configuration of the mounting will typically include installation of the wire drive, torch wire reel, flux hopper, wire drive control, and connection of all cables and hoses between the power source and wire feed control required for proper operation. Other accessories such as AVCs, slides, swivels etc. can also be mounted for an extra charge.

To Mount a Single Wire SUB-ARC package
To Mount a Twin Wire SUB-ARC package
To Mount a MIG package
To Mount a Cold Wire TIG package
To Mount a Fusion TIG package
To Mount an AVC with the above TIG packages
To Mount a dual axis seam tracker
To mount wire reel at aft end of boom with insulated wire guide conduit running the length of the boom, add per foot of boom stroke

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PRICE LIST
Effective Date: January 2014
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Prices and specifications subject to change without notice!