

## PANDJIRIS,® INC.



**PROGRESS** 

PRODUCT BULLETIN FOR LINCOLN PARTNERS

JANUARY 2006

## FULLY INTEGRATED HEAVY DUTY MANIPULATOR SYSTEM WITH POWER WAVE AC/DC SAW FOR WELDING STAINLESS STEEL TANKS

The Lincoln Electric-Pandjiris Partnership creates consumable orders for Lincoln when teamed with Pandjiris fixed automated equipment and welding solutions. The sales and technical organizations of both companies are coordinating to bring to the end user the most advanced integrated turnkey systems in the welding industry. Faced with strong challenges for technical innovation, more productivity, and cost control improvements, The Lincoln Electric-Pandjiris Team is successfully bringing new value-added automation solutions to the market place.

As another example, representatives of both Lincoln Electric and Pandjiris joined forces and successfully met and exceeded a large stainless steel tank manufacturer's expectations. This stainless steel fabricator needed to perform longitudinal welds on stainless steel tanks up to 11'-0" in diameter utilizing the best and latest submerged arc technology in their stainless steel welding operations. The customer wanted the best technical and integration expertise along with improved productivity and cost improvements. The Lincoln Electric-Pandiiris Team met all these requirements successfully.

Pandjiris Series 1400 Welding Head Manipulator, SW-180 swivel, and motorized cross slides for precise torch placement integrated and tested with Lincoln's Power Wave AC/DC submerged arc welding package and technology, produced yet another success story. The customer was trained by Lincoln's and Pandjiris' technicians both in the operation of the Power Wave controls and the operation of the complete Automated Manipulator System.

Lincoln Electric and Pandjiris can offer fabricators all over the U.S. and the world fully integrated turnkey systems to enhance productivity, quality, operating efficiency, and profitability. This fully integrated turnkey manipulator system can be duplicated in any steel tank fabricator plant or application. Call Pandjiris for a system to meet your customer's application.





## SERIES 1400 MANIPULATOR WITH POWER WAVE SUBMERGED ARC PACKAGE

14' Boom Stroke at variable Speed Maximum 14' Under boom Vertical Stroke Manual Column Rotation Free Standing Base Support Platform for Welding Power Source, Flux Recovery and Power Distribution Model SW-180 Swivel Model 61-P Motorized 6" Stroke Cross Slides Power Wave Ad/DC-1000 Power Source Power Feed 10A Controller and Power Feed 10S Head



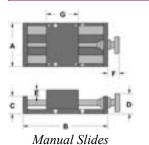
Heavy Duty Box Beam Construction Remote Pendant with Joystick Controls Precisely-Machined Anti-Fall Device 360 Degree Rotation Rack and Pinion Drive System for Boom Movement **Precision Machined Ways** 

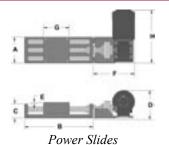
## **Benefits**

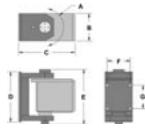
Consistent Quality **Increased Productivity Cost Savings** 

Contact Nozzle Assembly

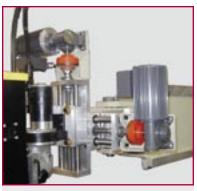
Pandjiris SW-180 Swivel is ideal for mounting all welding head apparatus. It swings at +90°, 0°, -90° about a vertical axis. It allows orientation of the welding torch, flux pick-up and seamtracker probes without disassembly or remounting. The SW-180 is ideal for side beam carriages or manipulators to allow both circumferential and longitudinal welds.











Compound 61-P Slides



SW-180 Swivel with Slides



SW-180 Swivel

Model	Load Capacity	Ship Weight (lbs)	Α	В	С	D	E	F	G	Н
21-M / 61-M	200 lbs @ 6"	18/34	55	8-1/2 Plus Stroke	3	4	0.3125	3.5	5.5	-
21-P / 61-P	200 lbs. @ 6"	22/38	55	8-1/2 Plus Stroke	3	6.25	0.3125	8.88	5.5	10.19
615M	500 lbs. @ 12"	164	10	13-9/16 Plus Stroke	3.5	4.5	1.06	3.5	10	
615P	500 lbs. @ 12"	184	10	13-9/16 Plus Stroke	3.5	6.19	1.06	8.75	10	12.44
SW-180	-	60	180	5.5	11.25	10	10.5	4.625	4.625	