

PANDJIRIS®

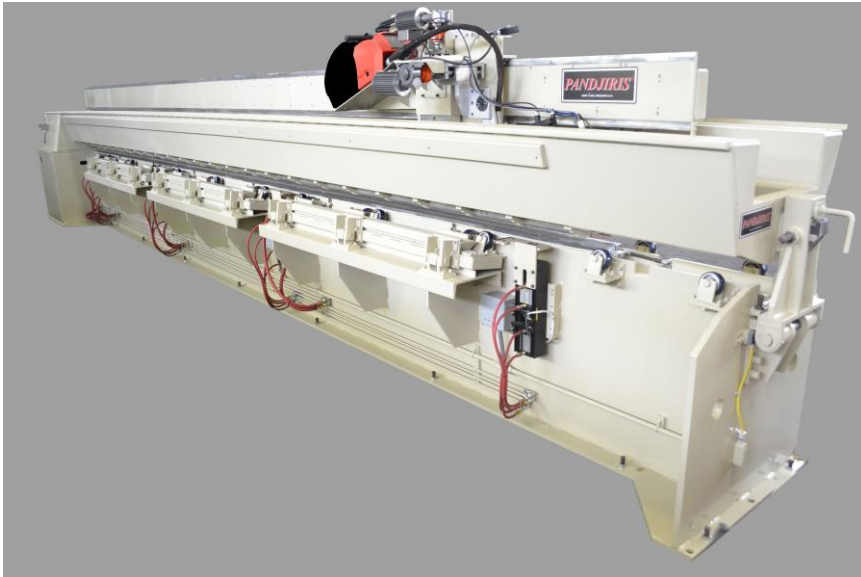
#1 in Fixed Welding Automation WELDING AUTOMATION SOLUTIONS



Manufactured in U.S.A.

PRODUCT BULLETIN FOR PANDJIRIS SEAMERS OCTOBER 2018

**PANDJIRIS IS YOUR SINGLE SOURCE
AUTOMATION SOLUTION FOR SEAMERS**



SYSTEM FEATURES

- Pandjiris Model 300-I/44-FS Internal/Flat Sheet Seamer
- Pandjiris Model VSC-15-3 Carriage – 3 to 116 IPM Travel Speed
- Pandjiris EZ Link Series® Controller
- Pandjiris Model 21-P Powered Slide for Cross Seam Adjustment
- Pandjiris Model 61-APP Powered Vertical Slide
- Copper Tipped Fingers
- Limit Switch/Return Home
- Weld Start/Stop Integration
- Power Cable Track for Carriage
- Remote Operator Vision System
- Copper Gas Shielded Back Up Bar
- Stainless Steel Gas Shielded Back Up Bar

ADDITIONAL FEATURES

- Four Pneumatic Seam Alignment Gages
- Load/Rotation Rollers – Provides loading of shells and rotation of joint for precision seam alignment via remote operator control
- 4 Bar Linkage Clamping System for 44” Minimum I.D. Shells
- Remote Operator Controls

This Model 300-I/44-FS Internal/Flat Sheet Seamer is capable of welding Material 12 gage to 3/8” thick and up to 25’ 0” in length. Both aluminum and stainless steel material with a minimum 44” inside diameter. The seamer can be equipped with the weld process of the customer’s choice, including MIG, TIG, SAW and PAW.



Pandjiris value added 4 Bar Linkage Clamping System for 44” minimum inside diameter shells provides 560 pounds per linear inch of clamping force at 80 PSI input pressure.

**Contact Pandjiris’
Application Engineering
Department for
Automation Positioning
Solutions.**



PANDJIRIS® SEAMERS



PANDJIRIS STANDARD LONGITUDINAL SEAMERS ARE AVAILABLE as either external or internal/flat sheet models. They are specifically designed for making 100% penetration, single pass welds on cylinders and flat sheets while minimizing or eliminating heat distortion to the material.

Pandjiris manufactures Longitudinal Seamers from 24" to 710" weld lengths utilizing most weld processes.

Pandjiris' standard external seamers are cantilevered from one end to allow loading and unloading of cylinders and other closed sections requiring a longitudinal seam. Pandjiris seamers provide exceptional visibility around the weld head and work area.

Typical seamers are used to perform butt welds, but with slight modifications, certain corner joints and lap welds can also be welded efficiently such as cones and bowed shapes.



| Model | Weld Length | Clamping Length | Workpiece Dimensions | Material Thickness | Overall Length | Overall Width | Overall Height | Mandrel Height | Approx. Shipping Weight |
|------------|-------------|-----------------|----------------------|--------------------|----------------|---------------|----------------|----------------|-------------------------|
| | | | EXTERNAL | SEAMERS | | | | | |
| 24E3.5-30 | 24" | 30" | 3.5" ID to 30" OD | .020" TO 3/8" | 73" | 33-5/16" | 65-1/16" | 37" | 2,400 lbs. |
| 36E3.5-30 | 36" | 42" | 3.5" ID to 30" OD | .020" TO 3/8" | 86" | 33-5/16" | 65-1/16" | 37" | 2,500 lbs. |
| 48E4.2-30 | 48" | 54" | 4.2" ID to 30" OD | .020" TO 3/8" | 98" | 34-5/16" | 65-7/16" | 37" | 2,800 lbs. |
| 60E5.2-30 | 60" | 66" | 5.2" ID to 30" OD | .020" TO 3/8" | 110" | 34-5/16" | 65-7/16" | 37" | 3,600 lbs. |
| 72E6-36 | 72" | 78" | 6" ID to 36" OD | .020" TO 3/8" | 122" | 34-7/16" | 71-7/16" | 43" | 4,000 lbs. |
| 96E8-36 | 96" | 102" | 8" ID to 36" OD | .020" TO 3/8" | 149" | 34-7/16" | 71-1/2" | 43" | 5,500 lbs. |
| 120E9-36 | 120" | 126" | 9" ID to 36" OD | .020" TO 3/8" | 168-1/4" | 34-7/16" | 73-7/16" | 45" | 6,500 lbs. |
| 144E11-36 | 144" | 150" | 11" ID TO 36" OD | .020" TO 3/8" | 192-1/4" | 34-7/16" | 73-7/16" | 45" | 8,500 lbs. |
| 168E14-36 | 168" | 174" | 14" ID to 36" OD | .020" TO 3/8" | 22' 2" | 34-7/16" | 73-7/16" | 45" | 9,750 lbs. |
| 192E14-36 | 192" | 198" | 14" ID to 36" OD | .020" TO 3/8" | 22' 6-1/2" | 45-3/8" | 81" | 47-3/8" | 11,000 lbs. |
| | | | INTERNAL | SEAMERS | | | | | |
| 120-I50-FS | 120" | 126" | Min. 50" I.D. | .020" TO 3/8" | 17' 7-1/4" | 43" | 59-9/16" | 21-5/16" | 9,450 lbs. |
| 144-I50-FS | 144" | 150" | Min. 50" I.D. | .020" TO 3/8" | 19' 7-1/4" | 43" | 59-9/16" | 21-15/16" | 10,450 lbs. |
| 168-I50-FS | 168" | 174" | Min. 50" I.D. | .020" TO 3/8" | 21' 7-1/4" | 43" | 59-9/16" | 21-15/16" | 11,780 lbs. |
| 192-I50-FS | 192" | 198" | Min. 50" I.D. | .020" TO 3/8" | 23' 9-3/4" | 43" | 60-1/16" | 23-15/16" | 13,865 lbs. |
| 216-I50-FS | 216" | 222" | Min. 50" I.D. | .020" TO 3/8" | 26' 1-1/4" | 43" | 60-1/16" | 23-15/16" | 15,950 lbs. |
| 240-I50-FS | 240" | 246" | Min. 50" I.D. | .020" TO 3/8" | 28' 1-1/4" | 43" | 60-1/16" | 23-15/16" | 17,500 lbs. |