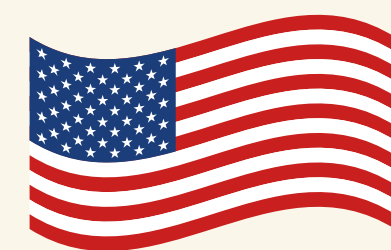


# PANDJIRIS®

**#1 in Fixed Welding Automation**  
**WELDING AUTOMATION SOLUTIONS**



Manufactured in U.S.A.

**PRODUCT BULLETIN FOR PANDJIRIS MANIPULATORS**

**SEPTEMBER 2019**

## **PANDJIRIS IS YOUR SINGLE SOURCE AUTOMATION SOLUTION FOR MANIPULATORS & TURNING ROLLS**

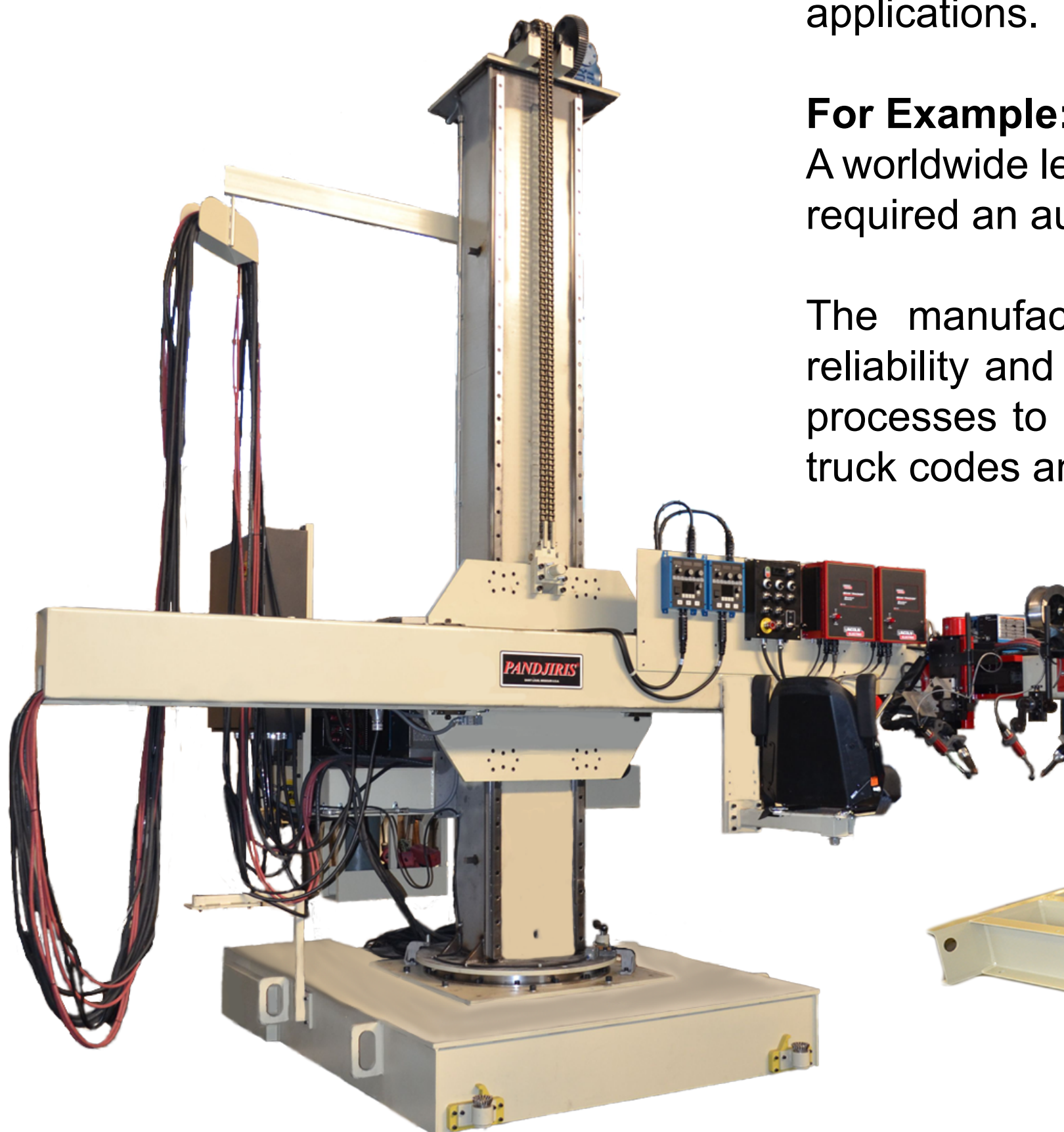
Pandjiris has found its niche in the welding industry specializing in heavy fabrication projects. It has developed a wide range of standard equipment and engineering expertise for a variety of applications.

### **For Example:**

A worldwide leading manufacturer of large tanks and tanker trucks required an automated dual MIG welding system.

The manufacturer has a focus on safety, performance and reliability and employs advanced engineering and manufacturing processes to meet the challenging and ever changing tanks and truck codes and procedures.

With this in mind, the manufacturer turned to Pandjiris to meet stringent requirements for an automatic system for welding aluminum tanks.



The basic requirements called for performing external circumferential welds on 85" diameter rings spaced 42" apart on tanks up to 45' long. The solution provided included capabilities to perform MIG continuous fillet welds on both sides of 2-1/2" x 3" channel with dual tactile probe seam trackers.



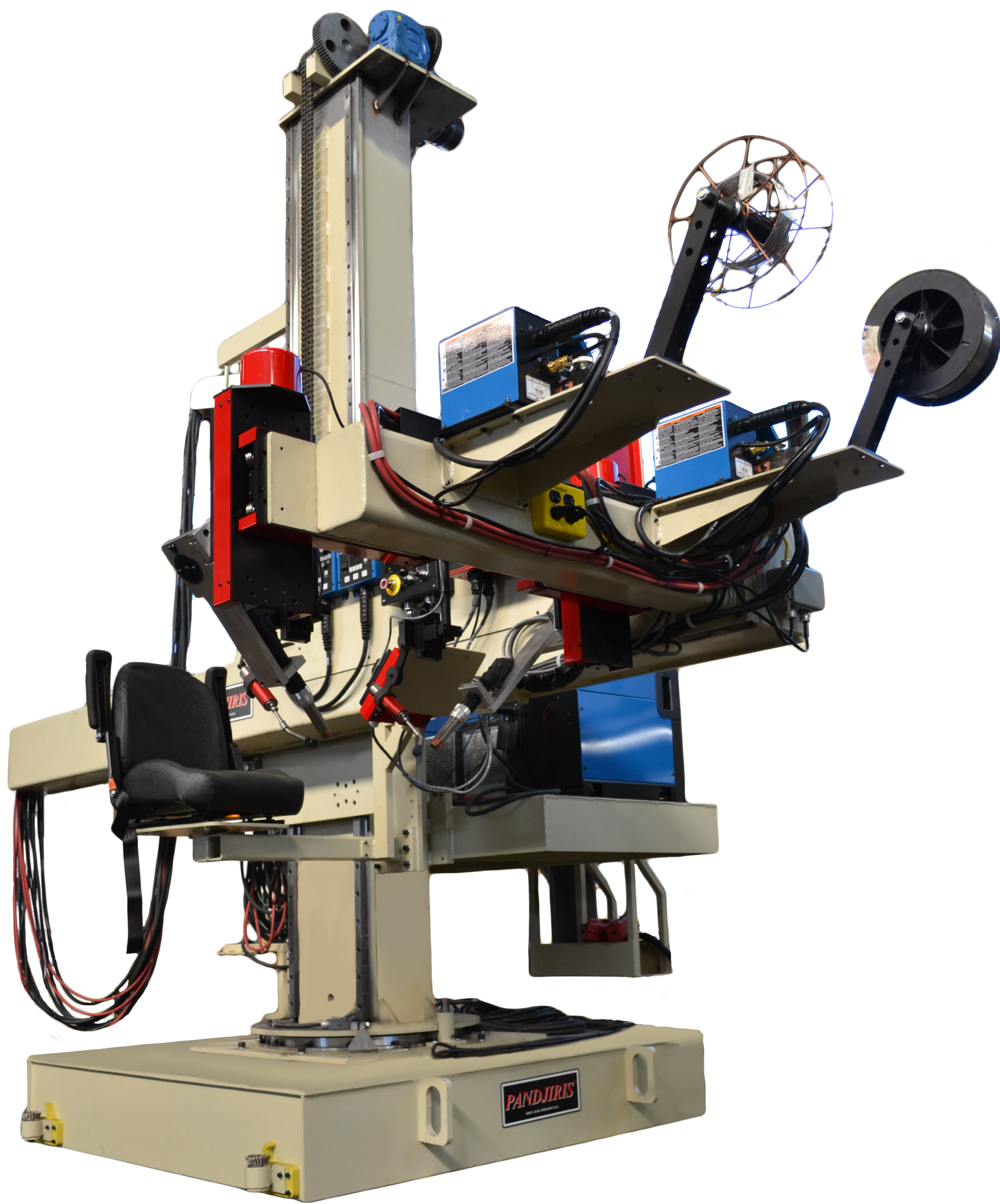
**Contact Pandjiris' Application  
Engineering Department for  
Automation Positioning Solutions.**



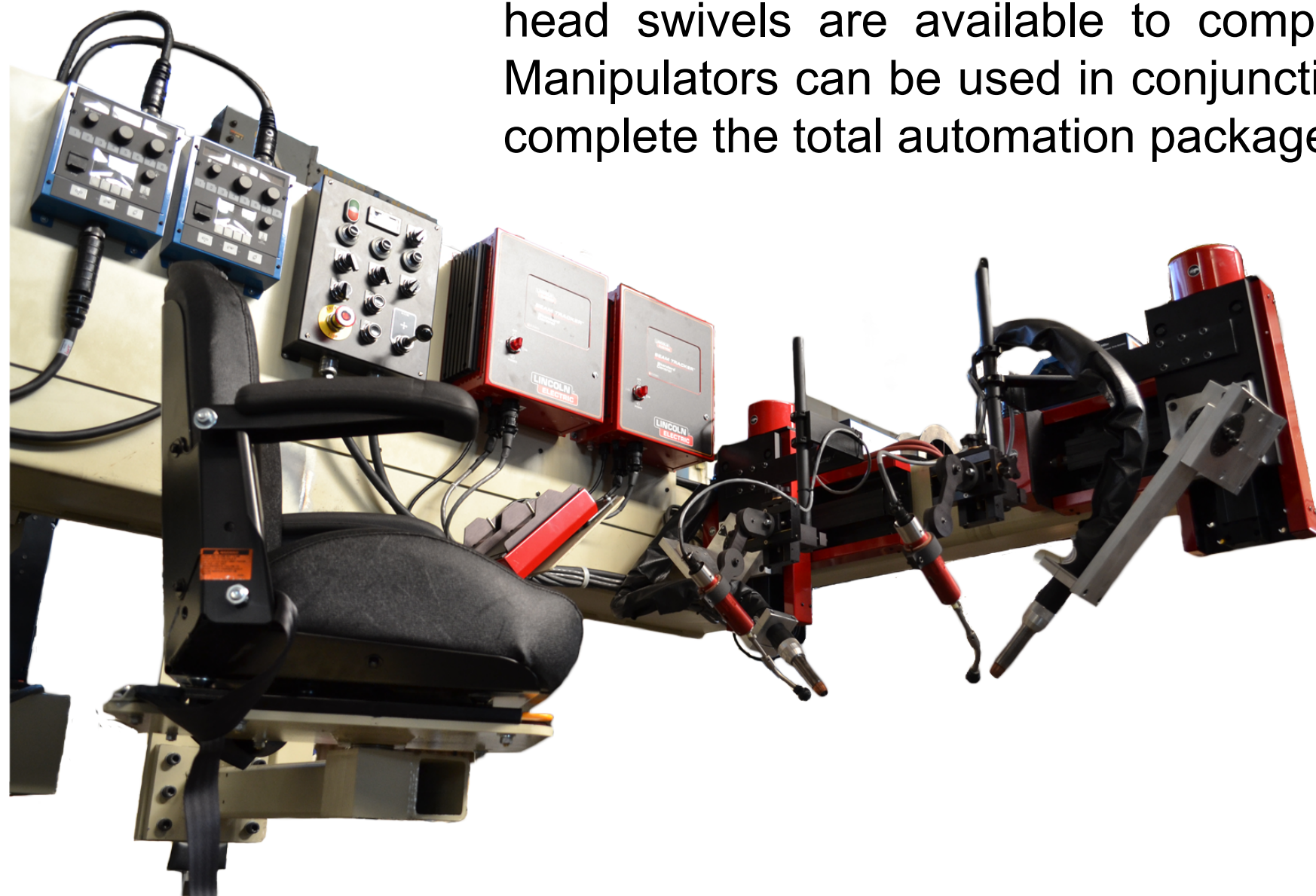
# PANDJIRIS® MANIPULATORS & TURNING ROLLS SYSTEM

## SYSTEM FEATURES:

- Pandjiris Series 1400, 10x10 Manipulator
- 30565 V.S. Travel Car
- Precision Variable Frequency Drive
- 10 Turn Speed Potentiometer
- 1000 AMP Welding Ground
- Operator Seat
- Support Platform
- 60' Model 30565 Machined Rail Track
- Track Wiper Brushes
- Steel Power Cable Track
- WPR-50/17 Power Rolls with Outboard Idler Wheel
- Integrated Operator Station
  - Manipulator
  - Travel Car
  - Turning Rolls
  - Weld Tracking Equipment
- Miller Continuum 500 Power Source
- Miller MIG Digital Control
- Miller Remote Wire Drive
- Miller Interconnecting Cables
- Miller Spool and Hub Assembly
- Miller Wire Straightener
- D/F Machine Specialties Remote Water Cooled Torch
- Pandjiris Lead/Lag Torch Mounting Bracket



Pandjiris offers a complete range of manipulators to meet our customer's needs from the manual 400 series through the 2000 series and beyond. All manipulators are available in custom sizes to ensure they fit the application requirements. Accessories such as travel cars, free standing bases, cross slide assemblies, power cable track, weld package mounting and integration support platforms and weld head swivels are available to complete any manipulator hard automation cell. Manipulators can be used in conjunction with a variety of positioning equipment to complete the total automation package.



Pandjiris manipulators are an extremely versatile tool. Whether used with MIG, TIG, SAW, or Plasma, Pandjiris manipulators are a consistent and solid means of bringing the weld head to the work piece. **Linear bearings are used on the Series 1100, 1400, 1600 and 2000 manipulators for improved stability and travel characteristics.**

We look forward to working with you on your hard automation applications.