

# PROJECTION-PAK

## RESISTANCE & FASTENER WELDING SYSTEM



Dual Station Resistance Welder

Renders are for reference only

### PROJECTION-PAK RESISTANCE & FASTENER WELDING SYSTEM

The pre-engineered Projection-Pak™ system automates fastener and other resistance-type welding applications. The Projection-Pak system complements arc welding processes so that Lincoln Electric Automation can be your preferred one-stop shop for all your automated welding needs.

#### SYSTEM INCLUDES

- Upper weld gun slide configurations
- Fabricated heavy-gauge steel with gusset reinforcements
- Copper-laminated shunts and copper buss bar connections
- Perimeter guarding and safety light curtains

#### OPTIONS AVAILABLE

- Pneumatic and water circuit chiller
- Vibratory fastener feed & placement systems
- Fixture tooling
- Automatic feeding and placement of fasteners

#### BENEFITS

- Minimal installation time required
- Provides for “quick-change” tooling integration
- Helps increase operator safety with hand-panel guarding and single load/unload access point
- Programmable with touchscreen HMI

#### INDUSTRY

- Robotic Automation Markets

### CONTACT LINCOLN ELECTRIC AUTOMATION - FORT LORAMIE



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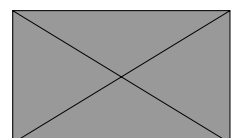
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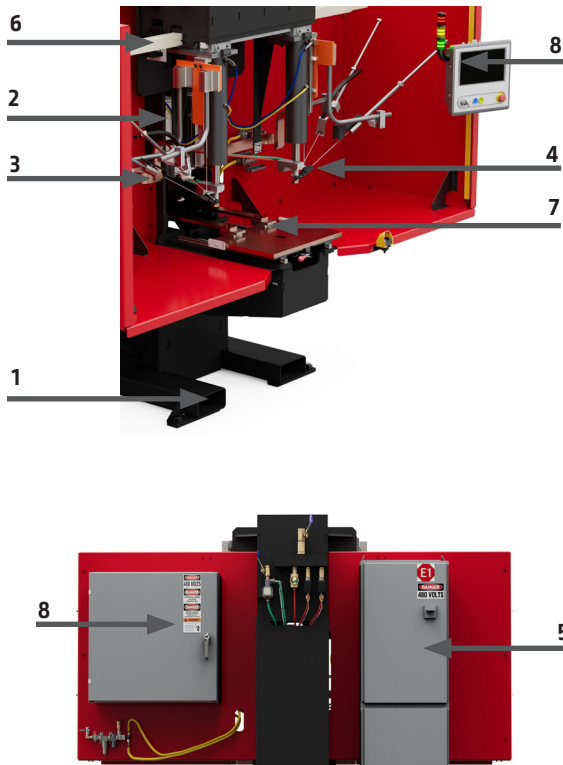


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Key Features	Description
1. Frame	- Fabricated heavy gauge steel with gusset reinforcements - Stand-alone with fork lift access tubes
2. Transformers	- Roman, MFDC , water cooled, light weight - Available in 100 KVA (or) 170 KVA MFDC, water-cooled
3. Secondary Circuit	- Copper laminated shunts and copper buss bar connections.
4. Weld Gun	- Pneumatic – (single or dual gun) - Milco, fixture type - Copper, water-cooled holders with replaceable weld dies - LVDT stroke detection
5. Weld Control	- MFDC Inverter, water cooled - Single contactor - Dual contactor (cascade or dual-pack) – requires dual transformers
6. Upper Weld Gun Side Configurations	- [X-Axis] – Electrically controlled weld gun positioning – 400mm stroke [L to R] - Single Slide Configuration - 400mm stroke - Dual Slide Configuration – 220mm stroke
7. Lower Tooling Slide	- Programmable – 300mm stroke [in/out] - [Y-Axis] – Electrically controlled tooling fixture positioning - Provides ease of loading/unloading of component parts. - Tool-less" lower tooling changeover (quick-change concept) - Tool Plate: 20in.L x 12.75in.W – Max of 60lb
8. Machine Control	- Power Distribution Panel (PDP) - Rockwell [A-B] PLC Panel - Armorview Plus 7 HMI – [A-B], with stack light
Fixture Tooling (Available upon Request)	- Light weight, copper coated plate with insulated part locating features - Quick-change design (tool-less change-over) - Pneumatic and electrical connections available - Copper, water- cooled (weld stud and weld nut electrodes available)

## PRODUCT SPECIFICATIONS

Product Number	Model	Description	MFDC Transformers KVA	MFDC Transformers Qty	MFDC Weld Control	Upper Gun Slide(s) X-Axis Left to Right (Programmable)	Lower Tool Shuttle Y-Axis Front to Back (Programmable)	Extended Guard Required
AD2493-1	LEA100-1G-1T-1SL-1SCR	Single Gun / Single Slide	100	1	1 - Single SCR	{1} 400mm	300mm	Single
	LEA100-2G-1T-1SL-1SCR	Dual Gun / Single Slide	100	1	1 - Single SCR	{1} 400mm	300mm	Single
	LEA100-2G-1T-2SL-1SCR	Dual Gun / Dual Slide / Single SCR	100	1	1 - Single SCR	{2} 220mm	300mm	Both
	LEA100-2G-2T-2CAS	Dual Gun / Dual Slide / Dual SCR CAS	100	2	1 - Dual SCR	{2} 220mm	300mm	Both
	LEA100-2G-2T-2SL-2PACK	Dual Gun / Dual Slide / Dual SCR 2PACK	100	2	1 - Dual SCR	{2} 220mm	300mm	Both
	LEA170-1G-1T-1SL-1SCR	Single Gun / Single Slide	170	1	1 - Single SCR	{1} 400mm	300mm	Single
	LEA170-2G-1T-1SL-1SCR	Dual Gun / Single Slide	170	1	1 - Single SCR	{1} 400mm	300mm	Single
	LEA170-2G-1T-2SL-1SCR	Dual Gun / Dual Slide / Single SCR	170	1	1 - Single SCR	{2} 220mm	300mm	Both
	LEA170-2G-2T-2CAS	Dual Gun / Dual Slide / Dual SCR CAS	170	2	1 - Dual SCR	{2} 220mm	300mm	Both
	LEA170-2G-2T-2SL-2PACK	Dual Gun / Dual Slide / Dual SCR 2PACK	170	2	1 - Dual SCR	{2} 220mm	300mm	Both
Custom			Based on Customer Specifications					

Important Note: Changes from recommended motor sizing, payload, duty cycles, cable routing, weld grounding (if applicable), other system specifications (i.e. controller stop parameter), and/or modifications may affect cycle times and overall performance. User assumes all responsibility for proper rigging, installation, and machine setting alignments of product(s). Manufacturer's warranty is void to the extent any failure caused by improper installation, modification, or operation by customer.

### CUSTOMER ASSISTANCE POLICY

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