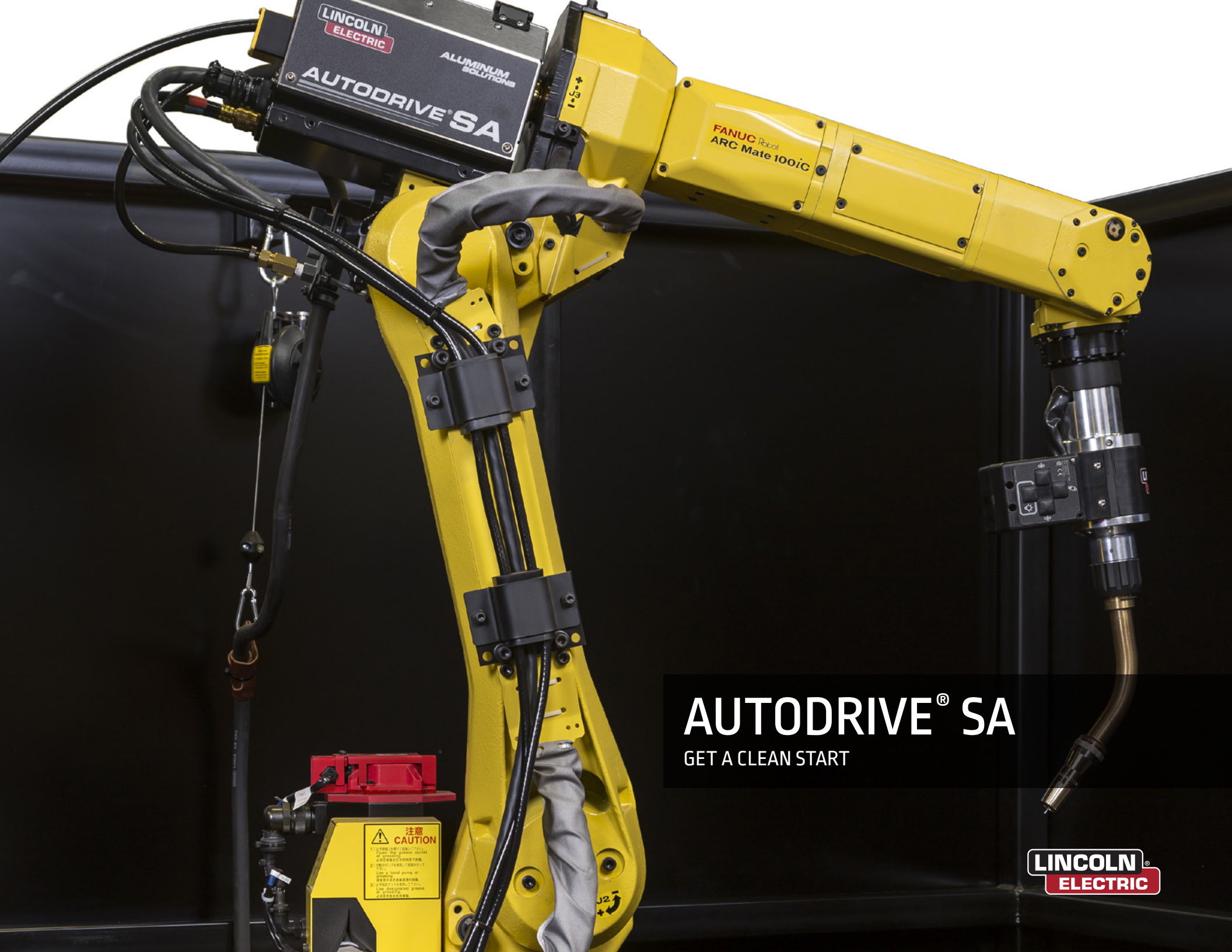
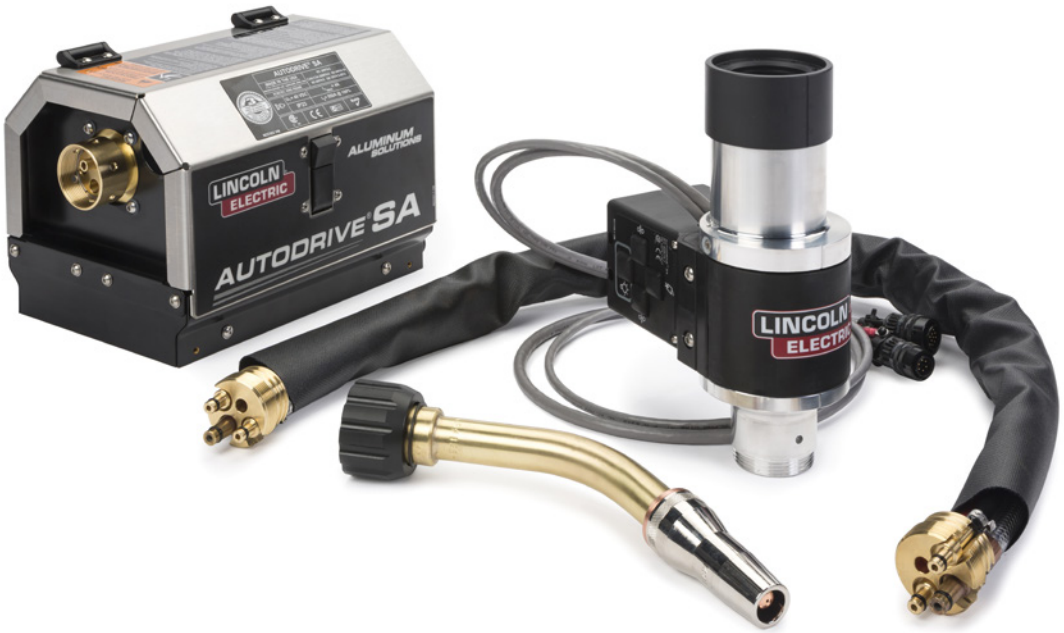


AUTODRIVE® SA

GET A CLEAN START

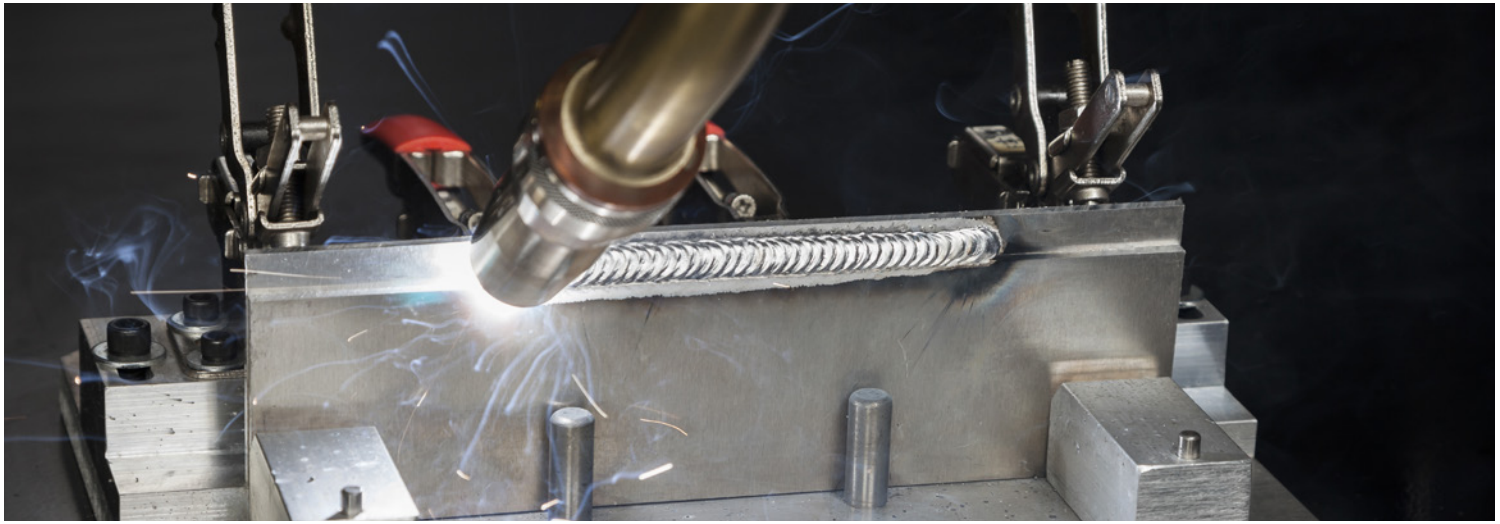
LINCOLN® ELECTRIC



A Better Start, A Better Weld

AutoDrive® SA

When it comes to welding aluminum parts robotically, arc starts and consistent wire feeding are crucial. AutoDrive® SA is a high-performance aluminum servo torch solution engineered to address the common problems with robotic aluminum welding – all to make the welding process easier and hassle-free. The system integrates with a robot and communicates directly with a Lincoln Electric® Power Wave® resulting in a best-in-class Aluminum solution.



Simplicity and Efficiency

A Clean Start

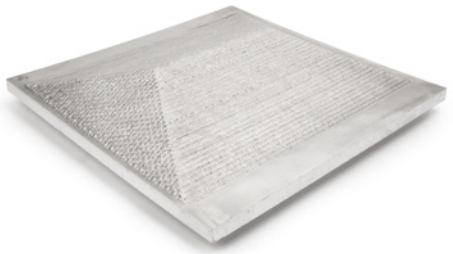
AutoDrive SA uses touch-retract start technology to initiate each robotic weld with no spatter or burnback. This ensures a consistent arc start from start to finish.

It's All About The Weld

The AutoDrive SA allows the Power Wave to have precise control over the wire feed speed. The coordination of the wire feed speed, paired with Power Wave Waveform Control Technology®, results in an aluminum weld that only Lincoln Electric can deliver.

250,000

Starts and Stops =
10,416 Ladders
8,333 Engine Cradles
115 Boats
83 Trailers



Longer Life, Improved Productivity

AutoDrive SA uses Magnum® PRO Copper Plus™ contact tips. The system goes the distance by delivering more than 250,000[1] starts and stops with a single contact tip. This represents a decrease in change overs, a reduction in downtime and a significant increase in productivity.

Compatible Robotic Arms

FANUC®

MOTOMAN®

ABB®

KUKA®

KAWASAKI®

1. As tested in a lab environment using the following specifications: Wire feed speed @300 ipm (7.6 mpm), 23V, SuperGlaze® 4043 Aluminum Wire 3/64 in. (1.2 mm)

Processes »
MIG, Pulsed MIG

Applications »
General Fabrication, Trailer Manufacturing, Shipbuilding, Automotive.

Output »

Input »
40 VDC

Product Numbers »
K4444-1 Push Feeder
K44445-1 Pull Feeder

AUTODRIVE SA WIRE FEEDER ONE-PAK® PACKAGES

Product Name	Product Number	What's Included
ABB		Push Feeder
IRB 1520ID	K4678-1520ID	Pull Feeder
IRB 1600ID	K4678-1600ID	J3 Mounting Bracket
IRB 1660ID	K4678-1660ID	Feeder Insulator
IRB 2600ID-15/185	K4678-2600ID-15/185	Torch Cable Assembly
IRB 2600ID-8/20	K4678-2600ID-8/20	Control Cable Assembly
FANUC		Breakaway Disk
ARC Mate 100iC	K4678-100iC	45 Degree Water-cooled Gooseneck
ARC Mate 100iC/6L	K4678-100IC/6L	Liners
ARC Mate 100iC/8L	K4678-100iC/8L	Contact Tips
ARC Mate 120iC	K4678-120iC	
ARC Mate 120iC/10L	K4678-120iC/10L	
ARC Mate 100iD	K4678-100ID	
ARC MATE 100ID/8L	K4678-100ID/8L	
ARC Mate 100iD/10L	K4678-100iD/10L	
ARC Mate 120iD	K4678-120iD	
ARC Mate 120iD/12L	K4678-120iD/12L	
M710iC/12L	K4678-M710iC/12L	
KUKA		
KR 5-2 ARC HW	K4678-KR5-HW-2	
KR 16-L8 ARC HW	K4678-KR16-L8-HW	
KR 16 ARC HW	K4678-KR16-HW	
KR 8 R1620 HW	K4678-KR8R1620-HW	
KR 8 R2100 HW	K4678-KR8R2100-HW	
MOTOMAN		
1440	K4678-MA1440	
2010	K4678-MA2010	
KAWASAKI		
BA006N	K4678-BA006N	
BA006L	K4678-BA006L	

4-ROLL WIRE DRIVE SYSTEMS

Product Name	Product Number	Description/Wire Size, in (mm)
4-ROLL WIRE DRIVE SYSTEMS		
Push Feeder Aluminum U-Groove Drive Roll Kits	KP4335-035A	0.035 (0.9mm)
	KP4335-040A	0.040 (1.0mm)
	KP4335-364A	3/64 (1.2mm)
	KP4335-116A	1/16 (1.6mm)
	KP4335-071A	0.071 (1.8mm)
Push Feeder Steel V-Groove Drive Roll Kits	KP4335-035S	0.035 (0.9mm)
	KP4335-040S	0.040 (1.0mm)
	KP4335-045S	0.045 (1.1mm)
Pull Feeder Aluminum U-Groove Drive Roll Kits	KP4413-035A	0.035 (0.9mm)
	KP4413-040A	0.040 (1.0mm)
	KP4413-364A	3/64 (1.2mm)
	KP4413-116A	1/16 (1.6mm)
	KP4413-071A	0.071 (1.8mm)
Pull Feeder Steel V-Groove Drive Roll Kits	KP4413-035S	0.035 (0.9mm)
	KP4413-040S	0.040 (1.0mm)
	KP4413-045S	0.045 (1.1mm)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output	Input Current	Output Range	W x H x D in. (mm)	Weight lbs. (kg)	WFS Range
AutoDrive SA								
Push Feeder	K4444-1	N/A (Power and Data via ArcLink®)	450A @ 100% Duty Cycle	N/A	N/A	7.0 x 7.5 x 10.8 (177.8 x 190.5 x 274.3)	14.5 (6.58)	30-800 ipm
Pull Feeder	K4445-1							

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