

POWER WAVE® PRODUCTS



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APEX® 30M Mechanized Controller

Portable Control for Mechanized Welding

- Portable mechanized control with integrated wire feeder for a lightweight, mobile solution for the shop or the field
- Designed with the patented MAXTRAC® Wire Drive System, for superior wire-feeding performance
- Extremely precise mechanized welding control for fixed and out-of-position applications
- Intuitive, lightweight pendant provides straightforward operation and provides lowest learning curve in the industry



Processes

- MIG
- Pulsed MIG
- Flux-Cored
- GMAW – STT®

Output



Input



Literature

E9.623

Product Name	Product Number	Input Power	Rated Output Current / Duty Cycle	Wire Feed Speed ipm (m/min)	Wire Spool Size lb (kg)	H x W x D in (mm)	Net Weight lb (kg)
APEX® 30M Mechanized Controller	K52160-1	40VDC	500A / 60% 450A / 100%	30-1200 (76-3048)	10 - 33 (4.5 - 15)	14.4 x 11.0 x 25.4 (366 x 279 x 645)	49 (22)

HELIX® M85 Weld Head

Next Generation Mechanized Weld Head

- Incorporates digital capabilities in an intuitive, ergonomic design
- Tool-less torch adjustments - Choose any position on three axes, with in/out, up/down and circumferential adjustment
- Lightweight – mounts in seconds to our patented orbital and flat tracks.



Processes

- MIG
- Pulsed MIG
- Flux-Cored
- GMAW-STT®
- GTAW
- Hot Wire GTAW

Input



Literature

E9.616

Product Name	Product Number	Input Power	Input Current	Travel Speed ipm (mm)	Clearance in (mm)		Oscillation Stroke in. (mm)	Motorized Height Control Stroke in (mm)	Lead/Lag	Torch Tilt		H x W x D in (mm)
					Radial	Axial				In	Out	
HELIX® M85 Weld Head	K52101-1	24V DC	9A Max	0.1 min-120 max (2.54 min-3048 max)	8.5 (215.9)	19.75 (501.7)	2.00 (50.8)	2.00 (50.8)	360°	60° max	30° max	8.33 x 14.25 x 6.85 (211.6 x 362.0 x 174.0)

For more detailed information on this equipment, including all models and all optional accessories, please see the comprehensive Lincoln Electric 2022 Equipment Catalog (publication E1.10) or visit the U.S.A. website and then "Equipment" tab at <http://www.lincolnelectric.com/en-us/Pages/default.aspx>