

SYNCROLIIFT

HEAD AND TAILSTOCK WELDING POSITIONERS

Sideros Engineering Head & Tailstock Positioners are used to weld and assembly long and large weldments in many different application fields.

Besides the benefits of ergonomics and safety during welding and assembly applications, the revolutionary feature of Syncrolift is the compactness and the portability of both columns, thanks to their dedicated hydraulic jacks. The result is an extreme flexibility in the factory. Syncrolift features two main axis: Electrical elevation/descent, and Electrical 360° left/right rotation. A typical configuration is composed of a motorized headstock positioner with an idler tailstock.

ADVANTAGES

- Master and idler column with rotating mounting plates.
- Pallet jacks for column lifting and relocating.
- Servo-motor, ball screw and encoder control for Up & Down motion.
- Servo-motor, gear reducer and encoder control for Rotation.
- LCD display for positioning set up, safety thresholds setting and diagnostics.
- Hand held control pad.
- Automatic load leveling.
- Redundant safeties - servo motor brake, ball screw thread geometry and mechanical Stopper.
- Low maintenance.
- 240/480/600 Volt – 3 phase – 60 Hz.

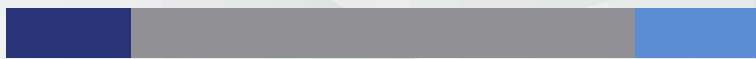
OPTIONALS

- Foot pedal for rotation control
 - TCS programmable control for automatic positioning through touch screen
 - Idler column on rails
 - 400/800/1200 Amp rotary ground
 - Double rotation torque
 - Custom column height
 - Custom load capacity (over 30000 kg / 66000 lbs)
- Also available**
- SLC M series – with double Rotation Torque capability
 - SLC S series – with Single Column set up



MODELS	LOADING CAPACITY (Kg)	MAX TORQUE (Nm)	MIN TABLE HEIGHT (mm)	MAX TABLE HEIGHT (Kg)
SLC 20	2.000	3.000	350	1.800
SLC 40	4.000	3.500	350	1.900
SLC 50	5.000	4.000	400	1.950
SLC 60	6.000	5.500	450	1.950
SLC 100	10.000	7.500	500	1.950
SLC 120	12.000	10.000	550	1.950
SLC 150	15.000	15.000	550	2.000
SLC 200	20.000	22.000	550	1.850
SLC 250	25.000	25.000	700	1.850
SLC 300	30.000	35.000	750	2.000

PRODUCTIVITY & PROFITS



COSTS: -40%



MANUAL WELDING/
ASSEMBLY

■ WELDING DEFECTS

■ WORKING HANDLING

■ WELDING TIME

APPLICATION



Fabrication



Agriculture



Transportation



Oil and Gas



Railway



Aerospace



Defence