

Syncrolift



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.

Syncrolift is configured with a fixed to the ground **motorized** headstock and an **idler** tailstock to adjust the workpiece length.

Advantages:

- Improved Safety
- Proper Ergonomics
- Improved weld quality
- Cost savings and profit increase
- Welding/Assembly procedures repeatability

Machine Features:

- 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 diagnostic
- 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

SYNCROLIFT TECHNICAL DATASHEET

MODELS	LOADING CAPA	MAX TORQUE	MIN	MAX
	CITY	Nm (lbf.in)	TABLE HEIGHT	TABLE HEIGHT
	kg (lbs)		mm (in)	mm (in)
SLC 20	2.000 (4,400)	3.000 (25,800)	350 (14)	1.800 (70)
SLC 40	4.000 (8,800)	3.500 (30,100)	350 (14)	1,900 (75)
SLC 50	5.000 (11,000)	4.000 (35,500)	400 (16)	1.950 (77)
SLC 60	6.000 (13,300)	5.500 (48,800)	450 (18)	1.950 (77)
SLC 100	10.000 (22,000)	7.500 (66,300)	500 (19.7)	1.950 (77)
SLC 120	12.000 (26,500)	10.000 (88,400)	550 (21.6)	1.950 (77)
SLC 150	15.000 (33,000)	15.000 (132,700)	550 (21.6)	2.000 (79)
SLC 200	20.000 (44,000)	22.000 (195,000)	550 (21.6)	1.850 (73)
SLC 250	25.000 (55,000)	25.000 (221,500)	700 (27.5)	1.850 (73)
SLC 300	30.000 (66,100)	35.000 (310,100)	750 (29.5)	2.000 (79)

Below you can download the **Syncrolift Technical Datasheet**.