



ALL ELECTRIC 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.

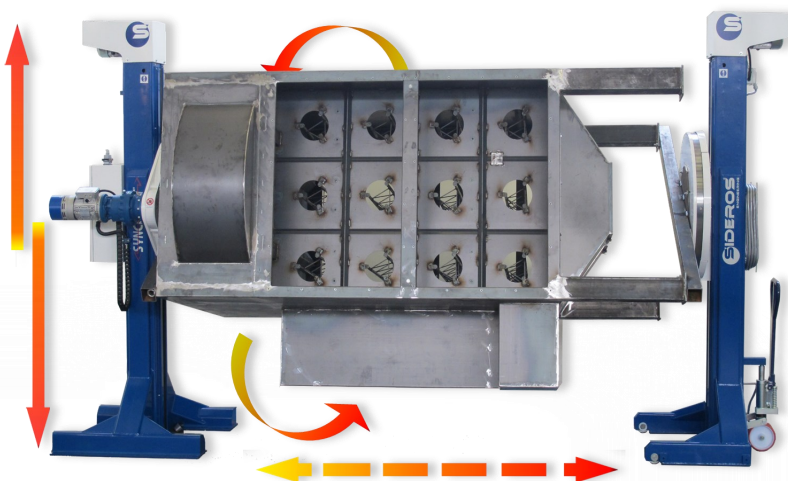
Syncrolift features two main axis: Electrical elevation/descent, and Electrical 360° left/right rotation.

A typical configuration is composed of a **motorized** headstock positioner with an **idler** tailstock.

Syncrolift Advantages:

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

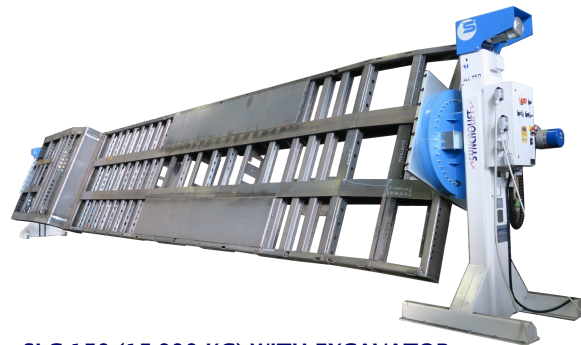
SYNCROLIFT[®]



APPLICATION:



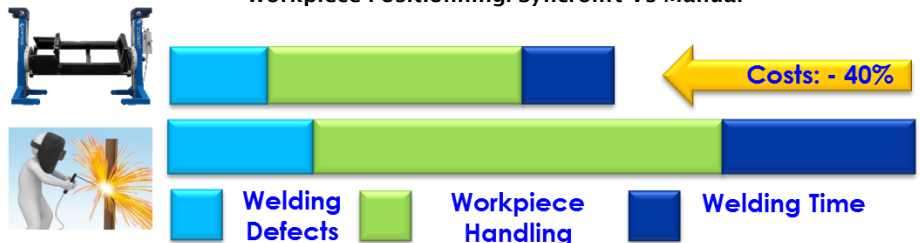
SLC 60 (6000 KG) WITH TANK TRAILER



SLC 150 (15.000 KG) WITH EXCAVATOR TRAILER

MODELS	LOADING CAPACITY Kg-lbs	MAX TORQUE kN.m lbf.in	MIN TABLE HEIGHT mm-in	MAX TABLE HEIGHT mm-in
SLC 20	2000 4400	3000 25800	350 14	1800 71
SLC 40	4000 8800	3500 30100	350 14	1900 75
SLC 50	5000 11000	4000 35500	400 16	1950 77
SLC 60	6000 13300	5500 47300	450 17.7	1950 77
SLC 100	10000 22000	7500 66300	500 19.7	1950 77
SLC 120	12000 26500	10000 88400	550 21.6	1950 77
SLC 150	15000 33000	10000 88400	550 21.6	2000 79
SLC 200	20000 44000	22000 195000	550 21.6	1850 73
SLC 250	25000 55000	25000 221500	700 27.5	1850 73
SLC 300	30000 66000	35000 310000	750 28.5	2000 70

Workpiece Positioning: Syncrolift Vs Manual



PRODUCTIVITY & PROFITS

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 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 FEATURES and EQUIPMENT

- 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 25000 kg / 55000 lbs).

Also available

SLC M series – with double Rotation Torque capability
 SLC S series – with Single Column set up