Sideros Head and Tailstock Positioners can be used for a variety of parts and weldments. Typically, a Head & Tailstock Welding Positioner is used for long rectangular shapes that must be supported from both ends.

Optional powered and manual mobile sub bases can be provided on rails for varying part lengths, allowing different length weldments to be positioned with one station.

With a large rotation speed range all welding processes can be accommodated, including MIG, TIG, SAW and laser welding.

A typical configuration consists of a driven Headstock Positioner with an Idler Tailstock. Dual Synchronized Headstocks can be used for exceptionally long parts or parts that have torsion concerns. Robotic versions to manual applications can be accommodated depending on your specific needs.
**FUNCTIONALITY**

**MACHINE FEATURES**

**OPTIONALS**

---

**PERFECT SYNCHRONIZATION FOR BEST RESULTS**

In the case of Headstock/Tailstock Elevating Positioners, the synchronization between Head and Tailstock utilizes AC variable frequency drives that provide dynamic synchronization during the elevation cycle, as well as absolute mechanical re-synchronization at full stroke, at either top or bottom limits.

To ensure the maximum flexibility, Synchrolift has been designed with fixed or movable columns on wheels to support weldments of different dimensions and shapes.

- Suitable for long weldments positioning.
- Capacities range from 4,000 kg (8,820 lb) to 25,000 kg (44,000 lb).
- Low maintenance.
- Hand control pendant included in all models.
- Rotation speed control 50:1 AC.
- LCD display for the visualization of: messages, warnings, troubles and graphic functioning.
- Absolute encoder performing with high precision levels, rotations and diagnostics.
- Ball screw jacks for high precision and duty cycles.
- Quote indication of lifting height of each individual jack.
- Control of load leveling with automatic re-alignment of jacks not in line.

- Foot switch control.
- Weldments support frame.
- Powered or manual mobile sub bases on rails.
- Rotary ground connector.

---

**MODELS**

<table>
<thead>
<tr>
<th>MODELS</th>
<th>LOADING CAPACITY Kg-lb</th>
<th>MAX TORQUE Nm</th>
<th>MIN TABLE HEIGHT mm-in</th>
<th>MAX TABLE HEIGHT mm-in</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLC 4000</td>
<td>4000 8800</td>
<td>3500 30100</td>
<td>350 14</td>
<td>1900 75</td>
</tr>
<tr>
<td>SLC 5000</td>
<td>5000 11000</td>
<td>4000 35500</td>
<td>400 16</td>
<td>1950 77</td>
</tr>
<tr>
<td>SLC 6000</td>
<td>6000 13500</td>
<td>4000 35500</td>
<td>400 16</td>
<td>1950 77</td>
</tr>
<tr>
<td>SLC 10000</td>
<td>10000 22000</td>
<td>7500 66300</td>
<td>500 19.7</td>
<td>1950 77</td>
</tr>
<tr>
<td>SLC 12000</td>
<td>12000 26500</td>
<td>10000 88400</td>
<td>550 21.6</td>
<td>1950 77</td>
</tr>
<tr>
<td>SLC 15000</td>
<td>15000 33000</td>
<td>10000 88400</td>
<td>550 21.6</td>
<td>2000 79</td>
</tr>
<tr>
<td>SLC 20000</td>
<td>20000 44000</td>
<td>22000 195000</td>
<td>550 21.6</td>
<td>1850 73</td>
</tr>
<tr>
<td>SLC 25000</td>
<td>25000 55000</td>
<td>25000 221500</td>
<td>700 27.5</td>
<td>1850 73</td>
</tr>
</tbody>
</table>

- Increased load capacities on customer demand
- Higher columns on customer demand