### Specification

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</thead>
<tbody>
<tr>
<td>Power input</td>
<td></td>
<td>1 phase, 200~230 VAC, 50 / 60Hz</td>
<td></td>
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<tr>
<td>Carriage drive</td>
<td></td>
<td>Rack &amp; Pinion</td>
<td></td>
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<tr>
<td>Drive motor</td>
<td></td>
<td>Servo motor</td>
<td></td>
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<tr>
<td>Thickness (mm)</td>
<td></td>
<td>0.1 - 10</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Welding length (mm)</td>
<td></td>
<td>684</td>
<td>988</td>
<td>1,296</td>
<td>1,596</td>
<td>1,900</td>
<td>2,508</td>
<td>3,116</td>
<td>3,724</td>
</tr>
<tr>
<td>Workpiece min. dia. (mm)</td>
<td></td>
<td>67</td>
<td>89</td>
<td>108</td>
<td>133</td>
<td>152</td>
<td>184</td>
<td>241</td>
<td>311</td>
</tr>
<tr>
<td>Workpiece max. dia. (mm)</td>
<td></td>
<td>850</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Travel accuracy (mm)</td>
<td></td>
<td>± 0.05</td>
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<td></td>
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<tr>
<td>Carriage speed (mm/min)</td>
<td></td>
<td>2 ~ 16,000</td>
<td></td>
<td></td>
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<tr>
<td>Carriage width (A) (mm)</td>
<td></td>
<td>350</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Carriage height (B) (mm)</td>
<td></td>
<td>332</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Overall height (C) (mm)</td>
<td></td>
<td>1,720</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Overall width (D) (mm)</td>
<td></td>
<td>990</td>
<td></td>
<td></td>
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<tr>
<td>Overall length (E) (mm)</td>
<td></td>
<td>1,480</td>
<td>1,780</td>
<td>2,085</td>
<td>2,390</td>
<td>2,820</td>
<td>3,430</td>
<td>4,140</td>
<td>4,740</td>
</tr>
</tbody>
</table>

*Specifications subject to change without notice*

### Dimensions

[Diagram of dimensions]

UNITED PROARC CORPORATION
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Welding Automation

**LS**

Longitudinal Seamer
ProArc makes your welding process easy and smart.

ProArc external seam welder are designed for straight line welding for flat-plate or round tank/vessel. 100% penetration in single pass weld on untacked workpiece without heat distortion on the material. It optimizes productivity by reducing welding costs and improving quality.

**Features**

- Side-beam utilizes precision rack and pinion with servo motor driving carriage
- Double linear guide way ensure reliability and repeatability
- Keyboard design with air-bag clamp provides average pressure for clamping
- Special design backing-bar for mandrel
- Reversible copper fingers
- PLC controller with touch screen HMI
- Support difference welding process including: MIG / TIG / Plasma / Submerged Arc ...

**Optional accessories**

- Retractable edge alignment device
- Air powered edge alignment device
- Water cooling mandrel
- Mandrel spacer
- Automatic shield gas purge system
- Pneumatic mandrel clamping device
- Fixed riser block
- Heavy duty riser block (removable)
- Dual pressure control
- Auto loading travel car
- Self-aligning idler rolls
- ProArc digital cold wire feeder

**Full digital control**

The system employs PLC controller together with 7 inches touch screen HMI provides an intuitive graphical interface and presents clear numerical data in operation.

- Multi-language available: Traditional Chinese / English / Russian / Spanish / Vietnamese
- Graphical welding sequence and 9 configurable timers editing for flexible operation
- 2 / 4 welding start trigger mode setting
- Precision speed control
- 100 sets of welding sequence can be saved and loaded for future use
- Program search function available for quick access to particular welding sequences
- Alarm history, alarm messages and PLC I/O monitoring functions easy for maintenance