**General Characteristics**

- **Narrow welding head profile** for use in areas with constrained radial and axial clearance.

- **Removable Titanium clamping cassettes** (UHP 250-2 and 500-2) or flexible Tube Clamp Inserts – TCI’s™ (UHP 1500-2). Comply with standard tube O.D. sizes and tolerances, for hygienic and high purity requirements.

- **Non symmetrical design** for welding of fittings with short stick-out.

- **Closed loop regulation** to ensure precise, constant or pulsed welding speed.

- **Return-to-home feature**: the electrode gear automatically returns to its loading position.

- **High purity gas circuit** to avoid particle emission and oxidation.

- **Encoder for position based control** of the welding program.

- **LED: home position**

**Removable Titanium clamping cassette for UHP 250-2**

**Removable Titanium clamping cassette for UHP 500-2**

**Removable clamping system and titanium TCI’s™ for UHP 1500-2**

**Removable Titanium Blocks** for all types of fittings, providing perfect tube and fitting alignment and great clamping force (UHP 500-2)
Options and Accessories

- Removable Titanium clamping cassettes and Tube Clamp Inserts – TCI’s™ for all tube and pipe O.D.s available both in metric and imperial sizes
- Removable Fixture-Blocks for all types of micro-fittings, providing perfect tube end centring, alignment and great clamping force (UHP 500-2)
- Interchangeable electrode gear modules \( \frac{1}{4}'' ; \frac{1}{2}'' ; 1\frac{1}{2}'' \) for optimised use of axial and radial clearance around the welding joint
- Extension cable (15 m)
- Dual welding head switch box
- Compact brief-case for transport and storage
- Tungsten electrodes, pre-sharpened and pre-cut
- Tool-kit for daily operations

Cable length: 5.5 m

<table>
<thead>
<tr>
<th>Type</th>
<th>Tube O.D. in mm / inches</th>
<th>Dimensions in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHP 250-2</td>
<td>1.60 – 6.35 mm ( \frac{1}{8}'' - \frac{1}{4}'' )</td>
<td>A: 27.8, B: 11.9, C: 5.6, D: 31.6, E: 16.5, F: 22.3, G: 257, H: 22.9, J: 44.5</td>
</tr>
<tr>
<td>UHP 500-2</td>
<td>3.00 – 12.70 mm ( \frac{1}{8}'' - \frac{1}{2}'' )</td>
<td>A: 25.4, B: 12, C: 5.7, D: 51.3, E: 25.7, F: 23, G: 261, H: 22.9, J: 44.5</td>
</tr>
<tr>
<td>UHP 1500-2</td>
<td>6.00 – 33.70 mm ( \frac{1}{4}'' - 1\frac{1}{2}'' )</td>
<td>A: 35, B: 29, C: 14.75, D: 92, E: 46, F: 42.5, G: 295, H: 22.9, J: 44.5</td>
</tr>
</tbody>
</table>