MODEL 125DE

Features and options

Computer storage for friction welding parameters

Consistent accuracy

Easy to automate

Flexibility to weld different components and metals

High production rates

Integrated flash removal

Integrated weld monitoring and archiving

Quick tool change

Single, dual or variable spindle speeds

INNOVATORS IN FRICTION WELDING

Thompson
Thompson’s 125 double-ended friction welding machine is specially designed for heavy-duty, multi-purpose applications such as welding truck banjo axle case, straight and dropped axle beams for trailers from round or fabricated square tube, solid, round or square bars.

The versatile double-ended design means it is easy to add automation while manufacturing costs can be held at low levels thanks to the machine’s ability to complete both welds simultaneously.

Thompson specialise in providing friction welding solutions and are the longest established supplier of friction welding equipment, boasting over 40 years’ experience in developing advanced manufacturing processes for a wide variety of industrial components. The Thompson friction welding machine range offers forge capacities from 4 - 300 tons.

### Technical Data

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<th>M8</th>
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<tr>
<td>Nominal forge load</td>
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<tr>
<td>Nominal forge pressure</td>
<td>KN</td>
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<td>150</td>
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<td>Typical spindle power</td>
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<td>15</td>
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<td>37</td>
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<td>Range weldable (mild steel)</td>
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<td>4-25</td>
<td>8-36</td>
<td>20-70</td>
<td>25-75</td>
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<td>Max Tube dia (mild steel)</td>
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<td>140</td>
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<td>Max length in chuck</td>
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<td>750</td>
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<td>Max length in clamps</td>
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<td>Max weld area (mild steel)</td>
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<td>1000</td>
<td>4000</td>
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<td>6500</td>
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### Machine Layout

![Machine Layout Diagram](image)

### Thompson Friction Welding

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