



## Rotary friction welding machine

Thompson MP/PR Series rotary friction welding machine

Rotary friction welding machine capable of delivering repeatable, high-quality performance.

### Features and benefits

- Easily automated, making the process highly repeatable and resulting in very low defect rates
- Fully instrumented to record input parameters, and force and displacement histories
- Reliable and consistent weld quality
- Short welding times

### Some applications

- RFW is widely implemented across the manufacturing sector and used for applications including the following:
  - Turbine shafts
  - Axle shafts
  - Piston rods
  - Copper/aluminium electrical connections
  - Cutting tools
  - Transition joints between aluminium alloys and stainless steels

### Technical specification

- Max. rotation speed: 1500RPM
- Max. transmission power: 50kW
- Max. welding force: 400kN
- Max. weld area: 60mm Ø

