

Thompson

INNOVATORS IN FRICTION WELDING



MODEL 15

Features and options

Available in single ended or double ended design

Computer storage for friction welding parameters

Consistent accuracy

Easy to automate

Flexibility to weld different components and materials

High production rates

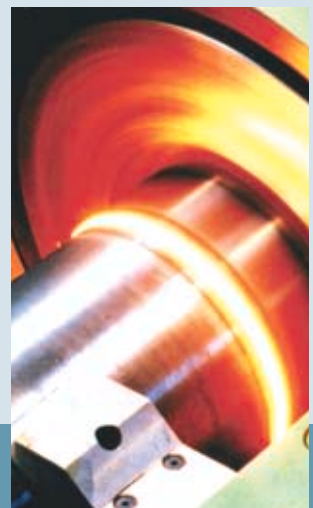
Integrated internal and external flash removal

Integrated weld monitoring and archiving

Quick tool change

Variable spindle speeds

MODEL 15



Model 15

Thompson's Model 15 is suitable for friction welding small components accurately in many material combinations such as carbon steel, stainless steel, copper and aluminium. It utilises Thompson's unique software for in process weld monitoring and control.

This sliding head machine offers excellent access for manual or automatic loading, and with large clamps, allows unrestricted component length.

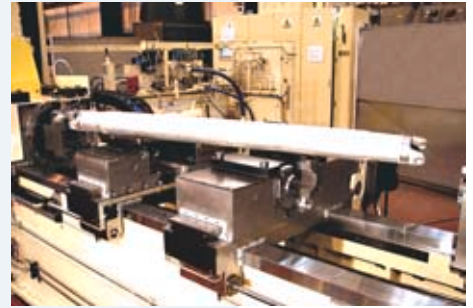
Options include:

Turning or shearing flash removal

Angular alignment of parts

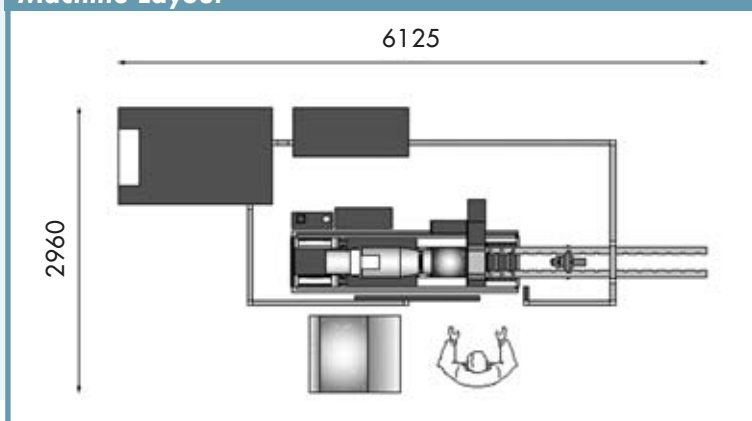
Computer interfacing for data handling

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		M8	M15	M50	M60	M80	M125	M250
Nominal forge load	tonnes	8	15	50	60	80	125	250
Nominal forge pressure	KN	80	150	500	600	800	1250	2500
Typical spindle power	KW	15	18	37	45	60	112	186
Range weldable (mild steel)	mm	4-25	8-36	20-70	25-75	35-90	50-125	65-150
Max Tube dia (mild steel)	mm	40	60	110	140	250	180	400
Max length in chuck	mm	150	450	600	600	600	750	1120
Max length in clamps	mm	-	-	-	-	-	-	-
Max weld area (mild steel)	mm ²	500	1000	4000	4500	6500	12500	18000

Machine Layout



Thompson Friction Welding

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