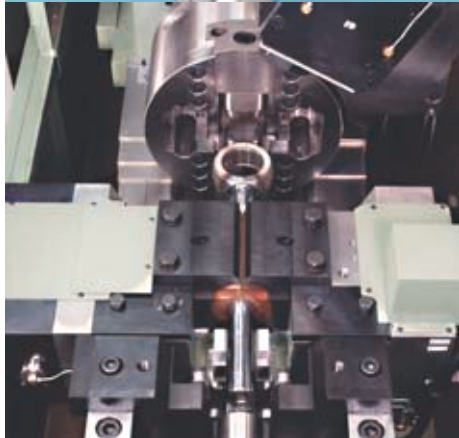
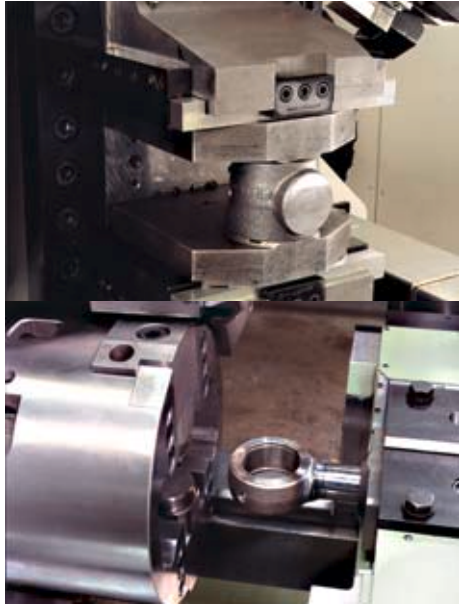


Thompson

INNOVATORS IN FRICTION WELDING



MODEL 60H

Features and options

Specifically designed for welding hydraulic components

Computer storage for friction welding parameters

Consistent accuracy

Easy to automate

Flexibility to weld different components and materials

High production rates

Integrated external flash removal

Integrated weld monitoring and archiving

Manual or motorised backstop available

Optional weld orientation

Quick tool change

Variable spindle speeds

MODEL 60H



Model 60H

Thompson's Model 60H is a middle-of-the-range machine which is specially designed for welding hydraulic piston rod and cylinder components. It utilises Thompson's unique software for in process weld monitoring and control.

With a turn down ratio of 9 to 1, it can friction weld a solid diameter range of 25-75mm and tubes up to 140mm in diameter.

This sliding head machine offers excellent access for manual or automatic loading and incorporates a large clamp and extended base for handling a wide range of component diameters and lengths. A special chuck holds hydraulic cylinder eyes, clevises and forked components.

Options include:

Programmable turning flash removal

Angular alignment of parts

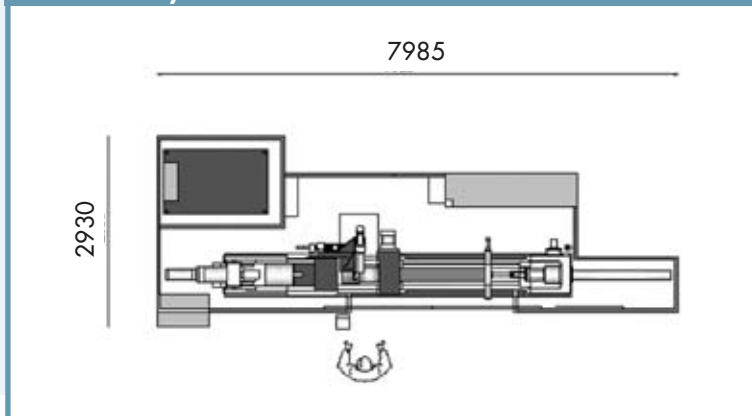
Computer interfacing for data handling

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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