



Years of experience
Demonstrated time and again

Thompson friction welding machines Built by KUKA, in The Black Country, UK

KUKA offers a range of compact and modular Thompson friction welding machines with forge capacities up to 400 Tons for the flexible implementation of friction welding processes for a broad range of material combinations. This range covers even the most difficult applications including special machine configurations, such as double-ended machines, forge clamp options for long components and/or automated machines incorporating robotics for load/unload. More details are available on request.

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More than 800 Thompson friction welding machines are in production around the globe by world leading OEMs and Tier 1 manufacturers using models specifically designed for joining truck axles, drill pipes, rods, hydraulic cylinders and piston rods. The acclaimed Thompson machine range is designed and manufactured at the same facility at Halesowen in the United Kingdom.

Machine Configurator

Machine Tonnage	Prefix No.	Configuration	Application Prefix	Configurated or Standard
15T	Thompson 1	D	PR;AX;DP;DR;PS;TR;GP	C
50T	Thompson 2		PR;AX;DP;DR;PS;TR;GP	C
60T	Thompson 3	D	PR;AX;DP;DR;PS;TR;GP	CS
100T	Thompson 4		PR;AX;DP;DR;PS;TR;GP	C
125T	Thompson 5	D	PR;AX;DP;DR;PS;TR;GP	CS
150T	Thompson 6		PR;AX;DP;DR;PS;TR;GP	C
250T	Thompson 7		PR;AX;DP;DR;PS;TR;GP	C
300T	Thompson 8		PR;AX;DP;DR;PS;TR;GP	C
400T	Thompson 9		PR;AX;DP;DR;PS;TR;GP	C

Key

PR	Piston rod
AX	Axle
DP	Drill pipe
DR	Drill rod
PS	Prop shaft
TR	Track roller

Examples

THOMPSON 3 PR S

60T single ended piston rod application machine – standard option

THOMPSON 5 D AX S

125T double ended axle application machine - standard option

THOMPSON 5 D AX C

125T double ended axle application machine - customer configured option

D Double ended

GP General purpose or unclassified application

C Configurated

S Standard configuration available



www.kuka.com

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