

The KUKA logo is displayed in a bold, orange, sans-serif font. The background of the top half of the page features a close-up, angled view of a metal component with a white label that reads 'Thompson' in a raised, black font. The overall color scheme is dominated by orange and grey.

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	Configured 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

D Double ended
GP General purpose or unclassified application
C Configured
S Standard configuration available

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



www.kuka.com

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