

Thompson

Friction welding:
AX Series

KUKA

Thompson Friction Welding
- a business unit of KUKA Systems U.K. Limited



Thompson Friction Welding machines Built by KUKA, in the UK

Thompson's AX direct drive series is specially designed to friction weld commercial vehicle axles for both OEM and Tier 1 manufacturers.

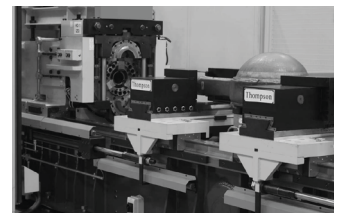
This new generation of machines not only offer a number of innovations which streamline production and boost accuracy, but also include more environmentfriendly parts.

- High accuracy hydraulic control
- Hidden tie bars and Thompson flexiBase technology
- Enhanced heavy duty shear flash removal
- Moveable clamps ensure wide variation in overall lengths

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Friction welding: **AX Series**

Machine design features >

> **SE or DE**

Double or single ended options. Double ended machines feature synchronized heads

> **flexiBase**

Thompson's unique flexiBase enables double ended efficiency, accuracy and repeatability. The open architecture also facilitates easy load/unload or integration of automation

> **Roller rail slideways**

Roller rail slideways and linear bearings to provide smooth, low friction head movement

> **Automatic lubrication system**

Oil lubrication system on roller rails, clamp slides and head

> **In process flash removal**

In cycle shear flash removal

> **Self centring bung**

Self centring, adjustable bung for supporting drive axles

> **Intuitive informative software**

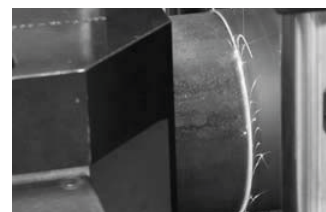
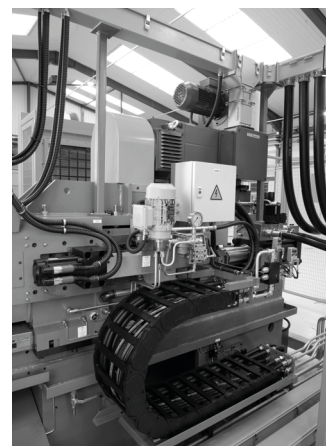
User-friendly software for full control over the weld cycle
Optional in-cycle TIR measurement with in-depth reporting

> **Enhanced HMI**

Allows remote machine control and monitoring from an iphone or ipad with easy-to-use graphical interface

> **Fully featured hydraulics**

Offers optimum machine welding range and full flexibility control throughout the process



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www.kuka.com

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