

Thompson

Friction welding:
DP 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 DP direct drive series is specially designed to friction weld all types of drill pipes, as well as rods and rock drills.

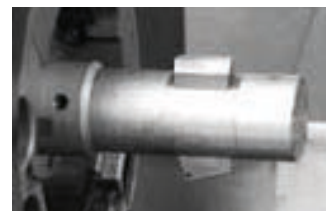
This new generation of machines not only offer a number of innovations which streamline production and boost accuracy, but also include more environment-friendly parts.

- Ultra lightweight, quick release tooling
- In process, optical measurement device
- In cycle internal boring tool for removing flash from narrow diameter tool joints
- Hydraulic packs with energy-saving speed drives, non-priming pumps and low noise

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Machine design features >

> Flexible chuck options

Thompson uses both hydraulic and mechanical chuck options. Benefits include easy access and quick to load capability for longer box and pins, integrated internal flash removal systems and accurate orientation

> Direct drive benefits

Direct drive machines offer greater process control and faster component changeover times

> Roller rail slideways

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

> Unrivalled range of flash removal options

Flexible two axis servo external flash removal, option of dual tool system. In cycle, internal shear, turning, boring or gas lance also available

> Quick release tooling

Ultra lightweight tooling system which eliminates time consuming changeovers using cranes

> Chip control

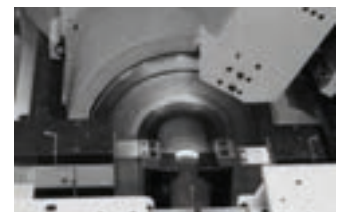
Enhanced chip control features include head mounted flash guard, clamp covers, chip conveyors and crushers

> Intuitive informative software

Easy-to-use software that gives full control over the weld cycle. Optional in-cycle TIR measurement with in-depth reporting/logging features

> Fully featured hydraulics

Developed to offer optimum machine welding range and full flexibility and control throughout the process



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