



AUTOMATED FRICTION WELDING MACHINES

Thompson have extensive experience in providing full or partial automation systems for loading and unloading a variety of component types whether rough forgings or finished ground items from their range of friction welding machines.

Typical applications

Automatic machine setting

Automatic parameter setting

Complete or partial automation

Component recognition

Computerised component marking

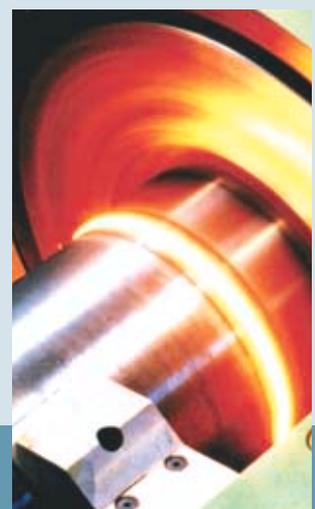
Conveyor and handling systems

Gantry loaders and unloaders

Integrated turnkey systems

Programmable length backstops

Robotic loading and unloading



AUTOMATED FRICTION WELDING MACHINES

Solve your friction welding and automated handling projects with Thompson's expertise. The automation of Thompson friction welding equipment is often required for unloading a finished part, loading of 2 or 3 unwelded parts, component measurement, identification and marking, conveyors, gantry and robotic systems, bowl feeders and elevators.

Suitable components include:

Air bag canisters

API drill pipe

Conveyor rollers

Drill rods and pipes

Drive tulips

Electrical copper to aluminium connectors

Engine valve forged heads to stems

Front drive shafts

Fuel injection pump rotors

Hydraulic cylinders and piston rods

Hydraulic pump gears

Percussion drill rods

Propeller shafts for cars and trucks

Salisbury axle tubes

Submersible pump shafts

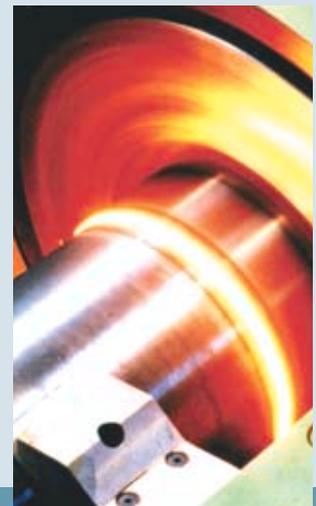
Swivel hinge pins

Track rollers

Trailer axles (on and off highway)

Truck and van axle cases

Twist drills and cutting tools



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