

BFW-30/2

Rotary Friction Welding Machine



▶ 2 Stations Rotary Friction Welding Machine

CUSTOMIZED SPECIAL MACHINES



DESCRIPTION

- ▶ Pushing Force 30 Tn.
- ▶ Possibility to integrate turning for the deburring.
- ▶ Runout measurement between welded parts by laser equipment.
- ▶ Different options for loading and unloading by robot or by gantry.
- ▶ Traceability control of welded parts.
- ▶ Recording and control of process data in 0.001 seconds.
- ▶ Programming software with total control for all the specifics parameters of the process.
- ▶ Display with charts for the process control.
- ▶ Special Software control for Welding Machines, BSC (Berkoa System Control))
- ▶ We also teach friction welding courses.

SOFTWARE BSC (BERKOA SYSTEM CONTROL) FOR CONTROL AND PROGRAMATION SPECIFIC SOFTWARE FOR ROTARY FRICTION WELDING MACHINE

- ▶ Control System and Parameter's control including
Siemens Fail-Safe CPU 1500 generation via Profinet
Software PLC Siemens SIMATIC STEP7 Professional / Safety (TIA Portal)
Display Software Siemens SIMATIC WinCC Advanced (TIA Portal).
Drive Siemens SINAMICS Start drive Advanced (TIA Portal) Software.
Motion Control Bosch Rexroth VT-HNC Hydraulic Control.
Decentralized peripherals devices (IN / OUTPUTS / IO-Link) Connected Via PROFINET.
IO-Link Sensors
Data Assessment Software.
- ▶ The machine features a data-logging control system with communication modules to control and capture data from the welding process. The welding controller application contains the S7 software. The welding quality control settings are entered manually on touch screens, and they are saved on the Panel PC hard drive.
- ▶ It also allows accurate control of the welding process by means of charts.
- ▶ Available port to send work's data and obtained results to an external device. The external device for welding data is not included in the offer.

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