

LATHE TYPE POSITIONERS

AUTOMATED CIRCUMFERENTIALWELDERS



WELD-LATHE MACHINES

STANDARD FEATURES:

- **1**. The heavy duty fabricated base incorporates machined ways for the precision location of both Head & Tailstock ensuring accurate rotation.
- **2.** Lathe Headstock incorporates variable speed rotation drive through inverter control and encoder, with PLC and HMI.
- **3**. Tailstock moves along Hiwin sliders to accommodate varying lengths of workpiece.
- **4**. Two adjustable steadies with auto-sets are mounted on the base to facilitate loading and unloading heights.
- **5**. Head & Tailstock can be provided with face plates having slots for tooling to facilitate rapid clamping of workpieces, or cantering devices.
- **6**. Where necessary, a rigid side beam mounted at rear of machine designed to carry one or more carriages, which support the welding equipment. The Beam incorporates linear slides with manual locks for quick repositioning.
- **7**. Infinite positioning of welding head(s) over entire length of workpiece.
- **8**. Earthing is by rotary earths onto tailstock shaft, preventing bearing damage from weld current. The tailstock is insulated to stop stray earthing. includes internal purge with rotary Gas coupling.

OPTIONS:

 Pneumatic clamping incorporated in the Tail- stock ensures a close fit of components during welding. Or a manual hydraulic Ram type.

- Choice of multiple diameters incorporating rotation speed in mm/min, within PLC programme.
 Adjustable time for one or more 360° rotations with overlap within PLC programme.
- Welding head mounted on pneumatically operated vertical slides which retract to facilitate loading and unloading.
- Twin weld Earths with weld set mounts to headstock end.

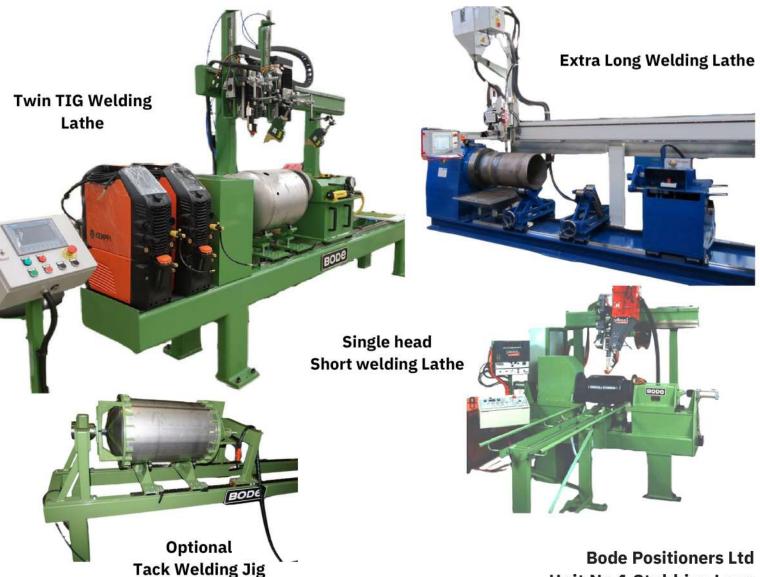








- Designed for fully automated repetitive manufacture or, alternatively, for individual components.
- Proven machine to cover a wide range of circumferential welding needs with Mig, Tig or sub-arc capability.
- Combines automation with easy set-up for repetitive accuracy no skilled welder is required.





www.bode.co.uk



@bodepositionersltd











Bode Positioners Ltd Unit No 1 Stubbins Lane Claughton-On-Brock Preston,Lancs England PR3 0QH

Tel.: +44 (0) 1995643210 Fax: +44 (0) 1995643211 E-mail - sales@bode.co.uk