Metal Bellows Tracker
MBT330

A robust and highly accurate weld lathe and video tracker specially designed for precise fully automatic welding of edge welded diaphragm bellows

- Highly magnified image displaying live video of the electrode, weld pool and work piece.
- Video image analysis for 2 axis horizontal & vertical dynamic servo tracking during the welding.
- Measures and data logs the convolution bead width while welding.
- Graphical display of weld, amps, arc volts, tracking position & bead width.
- Measures the Tig tungsten electrode tip and angle.
- Appropriate for Tig, Plasma and Laser weld processes.
- User programmable weld sequence, amperage, pulsing, rotation speed, convolutions and spacers.
- Robust LCD touch screen for user-friendly control of weld parameters, data entry and weld image.
- Easily configured to suit a bellows type or a production method.
- Many variations and options available

- Pneumatic tailstock with quick clamp
- Bellows convolution 1 to 20 thou
- Bellows diameter 0.5 to 12 inches
- Position accuracy .25 thou
- Lathe bed 40" long, 12 " wide
- Rotation speeds 0.1-50 rpm
- 0.1 - 50 Amps weld current
- Input 110 - 240 V, 50 - 60 Hz