

## Portal Welding Head PSK 04

Welding System for the Fusion of gas-tight Connection Fittings onto a Membrane with a Working Cycle of 7 Seconds



**The variety of different welding currents and contact pressures is provided**

**by two type PSK 04 parallel welding heads arranged side by side, with electric actuation and pneumatically moveable electrode carriage as well as a pressure control system.**

### Characteristic Features

Lower electrode carriage pneumatically moveable, with adjustable positive stop

Upper electrode carriage moveable by means of fast electrical actuation

Final stroke by means of compressive force control (piezo element) in order to obtain an accurate welding pressure

Welding post-carriage by way of a spring pack

Measurement of the initial position (check for presence of the components) and measurement of the welding stroke by means of high-accuracy incremental probes with a resolution of 0.001 mm

PC measuring system for the measurement and evaluation of the welding current, initial position, melting stroke and pressure

Analysis of the measured values by means of quality assurance software

Medium frequency welding generator with 64 programs

Feeding carriage with quadruple cluster and quick-change inserts

Parallelism of the welding carriages 0.01mm

Welding pressure 100 – 1000 N

Working cycle 7 seconds per work-piece