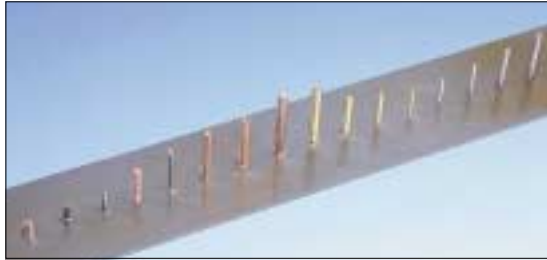




PTS-2 Stud Welding Machine



The PTS-2 stud welding machine allows the stationary welding of welding elements on metallic workpieces at lightning speed.



PTS-2 SOYER stud welding machine for capacitor discharge welding

Description:

The PTS-2 is an efficient and reasonably priced stud welding machine suitable for the stationary welding of various welding elements. It is universally applicable as it can be adjusted. The new SK-5AN automatic welding head is pneumatically operated and allows studs to be fed semi- and fully automatically. (For innovative special features, please see over).

Technical data:

Welding range:

Studs and pins from 3 - 8 mm in diameter and 6 - 40 mm in length (standard, special lengths on request)

Material:

Steel, stainless steel, aluminium and brass

Table dimensions:

T-groove plate with fully-insulated coating 550 x 450 mm (width x depth)

Total height:

600 mm

Usable working height:

200 mm

Usable working depth:

130 mm

Operating lift of welding head:

75 mm

Compressed-air supply:

5 - 7 bar

Connection:

to all SOYER energy sources running on the capacitor discharge, drawn arc and short-cycle drawn arc principle

Weight:

50 kg

Subject to technical changes

Innovative Special Features of the PTS-2 Stud Welding Machine

The PTS-2 SOYER stud welding machine is an especially practical desk-type welding machine offering convincing quality and ease of operation. In conjunction with the new SK-5AN automatic welding head, it is ideally targeted to cost-saving series production and the production of high-quality stud welded joints.

Additional performance features of the PTS-2 stud welding machine include:

- ▶ Development and production are in compliance with all prescribed safety targets such as
 - the latest safety and accident prevention regulations (Act on the Safety of Technical Working Equipment)
 - electromagnetic compatibility (EMC Act)
 - European regulations (EU Directives on Machinery)
- ▶ Universally applicable for all known capacitor discharge, drawn arc and short-cycle drawn arc stud welding processes
- ▶ Adjustable in all axes of movement (X, Y and Z)
- ▶ Large-surface and easily accessible massive bench plate made of aluminium with T-slots
- ▶ Fully insulated plastic-coated bench plate for preventing charring and burns on workpieces
- ▶ Two-hand safety trigger for activating welding operations
- ▶ Pneumatically operated workpiece clamps with simultaneous grounding
- ▶ Quick-change system for conversion to other stud diameters
- ▶ Plug-in connections for easy maintenance and quick assembly
- ▶ Test switch for the simulation of welding sequences with function control and lift setting
- ▶ Retrofitting possibility for stand device with support tube for supporting the welding head and simultaneous fixing of the workpiece as a protection against bounce and concave positioning
- ▶ Fine hand adjustment of lift in defined steps of 0.1 mm by means of a special notched turning knob at the end of the welding head
- ▶ Optional retrofitting with a digital display on the welding head for measuring the lift and plunging distances for quality assurance purposes
- ▶ Precise stud positioning accuracy owing to motional sequences which are free from backlash
- ▶ Long service life and long-term quality using high-quality mechanical components

SOYER top-of-the-range products awarded the following prizes for



Production



Quality



Technology



Design



Quality Management



International Approval



Safety



EC Conformity