

WIDOS 2500 P



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Pneumatic welding machine with simple SPS-control for the input of the time parameters and thermostat. All movements of the machine, heating element and table, are made pneumatically. The necessary welding force is adjusted by means of a pressure relief valve; the standard version reaches a working pressure up to 12 bar, the maximum force of the table however can be adapted to the single applications.

Due to its bench-type design, the machine can be easily transported and mounted. The machine's basic equipment is delivered without clamping devices for the pieces to be welded. Upon request, our constructing engineers will design such clamping devices according to the different applications. Just ask for our ideas!

The standard heating element (working Ø 190 mm) is equipped with nonstick-coating, connecting cable with

plug, control lamps for interval, on/off switch and electronic temperature control.

Basic frames, specific clamping devices for the pieces to be welded and packing for the transport upon request.

Set composition

Description	Qty.	kg	Order-no.
basic machine with control unit (230 V)	1		
heating element depending on demand	1		
clamping tools			on request

WIDOS serial welding machines

WIDOS 2500 S/P CNC



serial welding machines

Serial welding machines WIDOS 2500 S/P CNC

The serial welding machines of the product line WIDOS 2500 CNC are available in different models and classes of performance. According to your application you have the choice between the pneumatic model (WIDOS 2500 P CNC) and the servocontrolled variant (WIDOS 2500 S CNC), the performance being adapted to each single application. Basically, the drives can also be combined in order to meet special requirements. A common equipment of all models is the process-orientated control WIDOS CNC 3.0 for easiest handling and exact control of all parameters. Depending on the model, the machines have pneumatic or electric systems for handling and welding motions. The pneumatic systems of the WIDOS 2500 P CNC are mainly used for welding jobs with lower demands on precision of different ways and forces during the joining process. They allow welding forces being adjustable in smaller limits, however are mainly used for applications with motions onto a limit position. Essentially more flexible in positioning and exactly controllable in higher ranges of force is the servo-controlled system of the WIDOS 2500 S CNC. This system is mainly used in applications where diffe-

rent ways have to be driven and combinations of force and way control are necessary. The machines were developed especially for the fabrication of mean and larger weld series. The solid construction of all drives and guidances allow short cycle times at high repeat rates and precision. To fulfill practically all requirements, a large number of different heating elements and other energy sources are available, such as infrared radiators and contact heating elements which can be mounted directly. For a welding process by means of friction, induction or ultrasonic, the necessary customer specific equipment is mounted. The work pieces can be fixed in different mechanic or pneumatic systems which are specially produced according to your pieces. The standard dimensions of the work pieces' faces are limited to 250 x 250 mm. In case of larger pieces, the realization even of special designs and special solutions is possible. In general, practically all welding methods for the respective plastic materials and processing conditions can be realized.

Set composition

Description	Qty.	kg	Order-no.
<p>Do you need further information on WIDOS serial welding machines? In this case please send us a short description of your problem and a project sketch.</p> <p>We will get in contact with you as soon as possible.</p>			