

OE.M.SP.PN.S4





Please read before use

We are pleased that you have decided in favour of the pneumatic pneumatic screw press OE.M.SP.PN.S4. you have chosen. Your new machine was produced with care by the manufacturer and delivered to you in a ready-to-use condition.

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safety device

- The safety device, which serves to protect against accidents, is characterised by the fact that ... it is inserted into the main circuit with essentially three elements: a three-way release valve, a three-way branching point and a group of cylinders, pistons with spring return for the control of the accident prevention, as well as the control of the release valve, which is only actuated when absolutely safe conditions exist. The pneumatic control with which the working pressure, the release valve, which is normally in the rest position, does not give does not allow the compressed air to reach the master cylinder.
- ... the actuation of the valve when it opens has the effect of pressurising an auxiliary cylinder, the piston of which is subjected to the action of a counter-pressure spring which has the function of keeping the accident-prevention shielding raised. The pressure in the piston therefore compresses the counter-pressure spring so that the accident prevention shield can be lowered to check whether foreign bodies are trapped between the mould and the foreign objects are present between the mould and the counter mould.
- the shield is adjustable in height by adjusting the push-button, which is made up of springs and rods, the rod having a small roller at the lower end in which a notch of the shield sits. The fit between the roller and the shield must be slightly blocked so that it can be placed in the best possible position.
- ... the chain connecting the piston shaft to the rod is flexible and therefore can only transmit tensile loads but not compressive loads. When it encounters obstacles, it is compressed by making the riveting machine inoperative without exerting pressure against the upper link until it is removed.
- ... the pneumatic connection is such that the cylinder is not connected when the valve is closed, while the cylinders are connected in parallel when the valve is open.



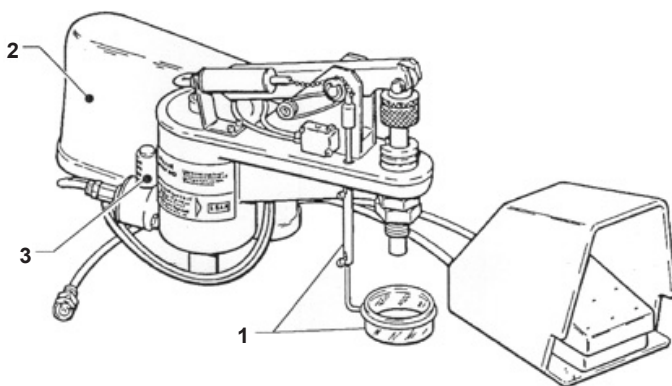
This manual contains the information necessary for the proper use of the products described. The enclosed documentation is intended for qualified technical personnel who have specific knowledge in the field of measurement and control technology, as well as the basics of mechanical technology.

This knowledge is a prerequisite for risk-free installation and commissioning as well as for safety during use and maintenance of the unit.

Failure to repair the tool appropriately or to follow the instructions may result in serious injury and damage to property. The complete system must not be put into operation until all protective and safety measures are operative to protect the operator in the event of any malfunctions of the system, after the tool has been installed in the press. SPRINTIS Schenk GmbH & Co. KG is not liable for any direct or indirect damage resulting from improper use of the equipment.

Qualified personnel in the sense of the safety instructions are those who are familiar with the concepts because they are involved in the planning or because they have the necessary preparation as operating personnel with regard to the safety techniques.

The safety riveting machine and the components used comply with the following safety standards: UNI EN 291-1, UNI EN 292-2, EN 983, prEN 1050

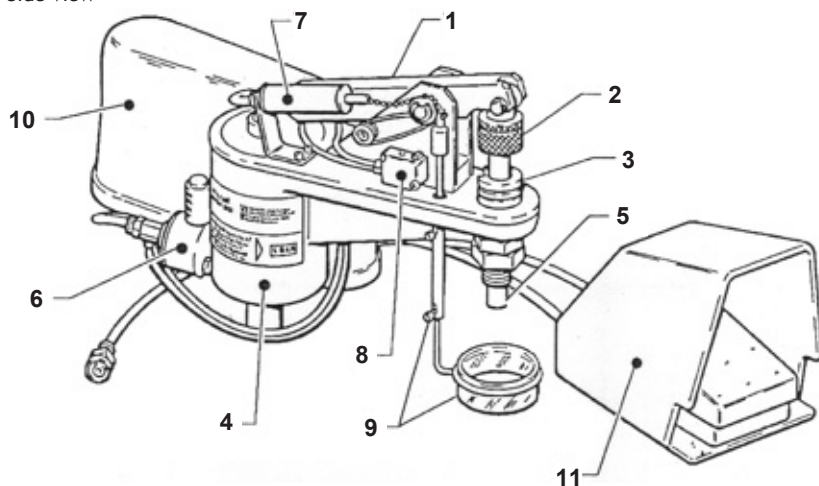


Safety precautions on the machine

Number	Protection class	Effect
1	Adjustable safety device	Avoids crushing of limbs
2	Cover fixed with Allen screws	Avoids crushing of limbs
3	Silencer	Noise reduction of the device



Side view



Parts list for drawing - side view

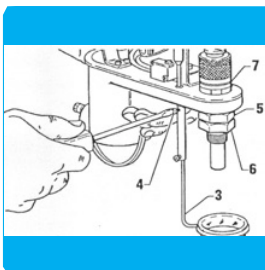
Number	Description
1	Lever
2	Slotted nut for stroke adjustment
3	Additional locking nut
4	Piston
5	Bottom bolt
6	Vent valve
7	Safety device piston
8	Safety valve
9	Adjustable protection device
10	Cover
11	Pedal



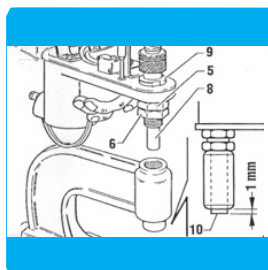
Installation



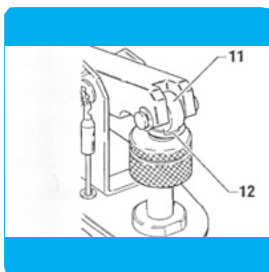
Remove the nut (1) on a vice and remove the handle (2). Leave the existing bolt and spring in the cylinder.



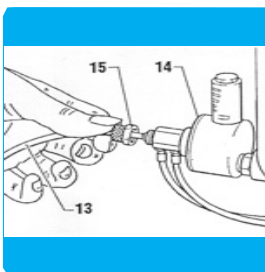
Remove the safety device (3) from the riveting machine after loosening the screw (4). Make sure that the nuts (5-6) are loosened. Then remove the red shim (7).



Insert the pin (8) into the upper part of the press and tighten the groove nut (9) until the pin (10) protrudes at least 1 mm from the lower part. Tighten the locking nuts (5-6) in the lower part of the riveting machine again.



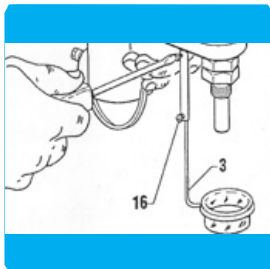
Make sure that the roller (11) locks into place.



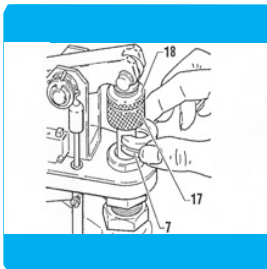
Insert the hose (13) for the pneumatic connection of the valve (14) and tighten the groove nut (15). Connect the pedal (11, fig. 1) to the compressed air supply. Important: The compressed air supply must be lubricated air. Refit the guard (3) and the cover (10, fig.1)!



Start-up and maintenance

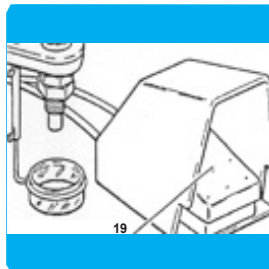


Raise or lower the guard (3) by adjusting the screw (16) according to the thickness of the material to be processed. Important: the accident prevention safety device (3, fig. 3) prevents accidental operation of the riveting machine during part insertion, thus guaranteeing the operator's safety.



ATTENTION: For high workpieces where the stroke cannot be adjusted with the groove nut (17), use the red shim (7).

Always adjust the piston stroke with the groove nuts to avoid breakage of the riveting machine and to guarantee correct riveting of the workpieces.

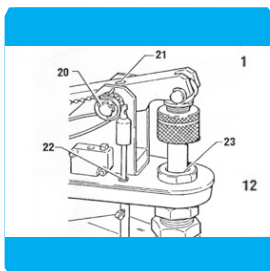


Insert the workpiece and press the pedal (19)

It is possible to approach the workpiece slowly by pressing the pedal.



Maintenance



Oil all moving parts from time to time, especially the pin (20) through the opening. 1). Use Vaseline or grease at points (22) and (23) use Vaseline or grease.

Every 20 hours of operation, add four drops of oil to the air inlet pipe to the compressor nection.



Check daily that there is oil in the lubrication filter on the compressed air supply line. Correct lubrication prevents wear of the seals.