

# PEMSERTER® 4

## Summary of advantages

### Manual pneumatic press for installing all PEM® self-clinching fasteners with M2 – M8 threads in corresponding panel material.

The press with force restrictor installes all PEM® self-clinching fasteners in a range up to 53,4 kN. It is used for small to medium-sized lots. Only a compressed air connection of maximum 6 bar is needed to operate the press. A delay valve (timer) enables – especially for stainless steel panels – an optimum installation of self-clinching fasteners. When using turret anvils (revolving anvils), the

changeover time from one thread size to another is reduced to a matter of seconds.

These turret anvils are available for studs, stand-offs and nuts. Naturally such a turret anvil can also be modified to make it suitable for various parts, exactly in accordance with the requirements of the customer's components.

1. On the PEMSERTER®4, working safety for the operator is guaranteed mechanically. The punch moves downwards by its own weight, damped by the air valve. During the setup, the thickness of the panel and the height of the self-clinching fasteners will be set. In continuous operation, the power stroke can only be actuated when the control nose on the upper punch shaft contacts the ball-valve while moving down. The power stroke, actuated by a lever, is a maximum of 4 mm.
2. Steplessly variable force setting from 1.8 – 53.4 kN via a pressure reducer with quick vent valve and a display in kN. Selector switch for setting and working operations. The mechanical counter registers the valid working strokes and thus the fasteners. This prevents defective deliveries and thus customer complaints.
3. Setting the dwell time (the time for which pressure is maintained while pressing) is possible by using the timer. The dwell time is most important in particular for hard panels such as those of stainless steel. Material must be able to flow into the undercut of the self-clinching fastener. A good connection is only guaranteed when adequate time is preselected to allow cold-forming to take place.
4. The laser spot helps to find the installation position. The laser spot is directed at the centre of the anvil. The laser spot shows exactly where the panel must be moved to find the anvil. **This saves time and money!**