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Plastic welding with the Drader Injectiweld, brief description

The Drader Injectiweld is a strong and very handy welding machine. The air pressure drive is a light drive, which can be steered proportionally. The use of compressed air requires the attention of some basic rules, so that you can use the advantages of this machine clearly.

This and further are:

1. Practice to put the welding rod in and out with a switched off machine. Function mode of the bolting device: turn the silver knurling tool in one direction, after alternating a half turn the rod is held or solved in each case. Knurling tool firmly = rod loosely, knurling tool slacky = rod firmly. Do not push in or pull out the rod with force.
2. With turned on machine the compressed air may be never switched off. Compressed air serves not only the drive, it's also cooling the equipment. Use oil-free compressed air!
3. Use clean, water- and oil-free compressed air. Oil and water filter must always hang perpendicularly. Control the filters on your workspace and the compressor several times and discharge the water if necessary. Water and oil in compressed air harms the equipment.
4. The temperature indication lights permanently = machine heats up. The temperature indication is flashing = adjusted temperature is reached. Welding can begin.
5. For long welding interruption: Set the temperature to the minimum (230 °C). Take the rod out of the machine. Place the machine at a safe place on the back (temperature- and speed control upward). Always switch off unobserved machine.
6. Keep workspace clean. No sand or other particles may get into the welding machine.
7. Never use the machine without welding rod. Never drive the rod up to the end into the machine, insert new rod, before the old disappeared completely in the machine, otherwise push the new rod slowly into the machine without force.
8. When changing the welding tip use the thermal compound economically (threads and contact area). The union nut can be solved most easily with cold equipment. For removing the welding Tipp however the plastic must be plasticised. Remove liquid plastic if necessary, so that the new Tipp can be inserted for good thermal conduction metal on metal (without intermediate layer of plastic).
9. Give all 120 operation hours a small drop compressed air oil (nur die Menge, die an der Spitze eines kleinen Schraubenziehers beim leichten Eintauchen in das Öl hängen bleibt – zu viel schadet!) directly into the air supply line after the oil and water filter. Note the date.
10. In case of failures plug off the power supply, take out the rod, bring the machine to maintenance, do not make repair works on your own.

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11. After work is done: clean the welding Tipp with a brass brush, switch off the machine, pull out the power supply plug, turn off the compressor, remove condensation out of compressor container.

12. Safety: Caution, front part and welding Tipp are hot: Burn danger! Provide sufficient ventilation. Examine entire security concept before starting welding. The remarks in the operating and maintenance manual of the equipement are to be obeyed. This brief description does not replace the manual.