

Operating Instructions

Bench mounted Brush Stripping Machine

ST35P

V1.1



Content

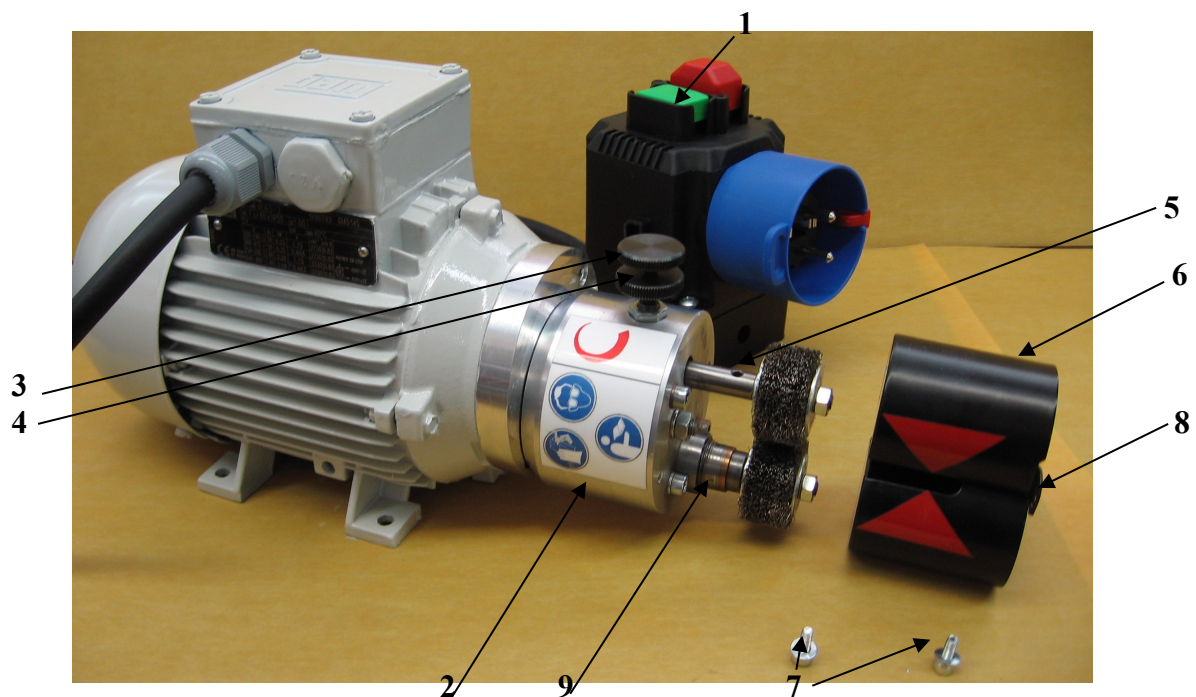
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1 Technical Data

Voltage:	ST35P.D 230/400V 50Hz 3~ AC, ST35P.L 230V 50Hz 1~AC
Current:	ST35P.D 1,15/0,67A ST35P.L 0,8A
Rotational speed:	2730 U/min
Output Power:	0,25kW
Operating mode:	continuous operation S1
Weight:	ca. 6,3kg
Protection class:	1
Brushes:	Special brushes, max. diameter 35mm
Wire diameters:	round: 1,5 – 6mm; profile 1 – 6mm

Technical changes reserved.

2 Controls



- 1 ON / OFF – Switch
- 2 Gear housing
- 3 Set screw
- 4 Lock nut
- 5 Movable shaft
- 6 Protective hood
- 7 Fixing screw 2x
- 8 Insertion opening
- 9 Fixed shaft

3 Safety instructions



Please read through the operating instructions thoroughly before using the bench mounted stripping machine. Following these instructions will avoid danger and achieve best results. Further safety hints can be found on a separate publication headed “Safety Instructions“.

- The bench mounted stripping machine is built for commercial use.
- Check the machine, the cable and the plug each time before using the wire stripper. Repairs to the machine, the cable and plug should be carried out by an expert only.
- Do not hold down the on/off button while inserting the plug into the socket.
- The unit must not be used in wet, in humid or in explosion-prone conditions.
- Danger of retraction in the brushes' area! The operator must take particular care when operating the unit if he or she has long hair or is wearing jewelry. Wear a hairnet and put loose objects like jewelry away. Do not operate wearing loose fitting clothing.
- Keep body parts, especially fingers, away from the brush area.
- Before removing the protective cover (6), unplug the power cord from the outlet. Before switching the power back on, retighten any loose parts and reattach the protective cover.
- Always ensure you have a secure footing when working.
- Persons under 16 years of age are not permitted to use the device.
- Wear a dust mask when stripping hazardous materials.
- The wire may become hot for a short time during stripping. Do not touch it immediately, as there is a risk of burns.
- Always wear protective goggles and protective gloves.



4 Commissioning

You can strip enamelled copper wire (round or profile) with the bench mounted stripping machine ST35P. This can be copper wires of electric motors, transformers and coils for example. Glass fibre yarn jacket and similar materials can also be removed easily. PVC and other thermoplastics have to be tried out.

Fix the stripping machine with the feet for example on a work bench. Fix the switch so that the user can reach the on -/off switch easily.

The manual stripping machine is allowed to be connected to the electricity grid, if the voltage and frequency accord with the information on the rating plate. Devices with 230 V may also be run with 220 V.

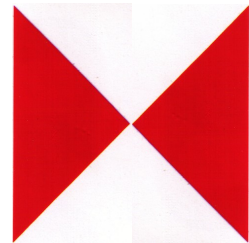
Attention, important for correct functioning:

At machine ST35.D check the declared rotary direction. The correct functioning can only be guaranteed with the correct direction of rotation. If necessary, you can change the rotary field by turning the connector pins with a screwdriver. If the machine ST40.D is used with wrong direction of rotation, the belt(12) will be damaged. In this case the warranty is discarded.

5 Method of operation

If you work with new materials, always start with the maximum brushes' distance. You can regulate the brushes' distance with the adjusting screw (3) and fix it with the lock nut (4).

Switch on the unit. Insert the wire through the opening for wire insertion (8) to the brushes until it is caught by the brushes. Slowly reduce the brushes' distance by turning the adjusting screw (3) clockwise until the wire is just slightly caught. In order to achieve a better result, readjust the distance just a little bit and increase the rotational speed. Use the whole broadness of the brushes for stripping. The brushes must not touch directly. Danger of overloading the device. Replace worn out or especially one-sided worn out brushes in time. If you don't want to strip at the beginning of the wire, but at the middle, insert the wire through the slot at front side of the unit. Follow the adjusting directions as described above.



6 Exchanging the brushes

Attention! Follow the safety hints!

Always pull the mains plug. Unfix the fixing screws (7) and remove the safety cover (6). Lock the brushes' shaft with a spring. Remove the nuts in front of the brushes. Attention left hand thread on the movable shaft (5) and right hand thread on the fixed shaft (9). Change the brushes and re-tighten the nuts properly. Attach the safety cover (6) before you take the unit into operation.

7 Tools

You should only use the recommended tools with type SRB35.** for safety reasons. Basically use brushes with minor wire diameter for thin wires. For thick insulation material you should apply accordingly strong brush wire diameters.

8 Cleaning and Maintenance

Check regularly if the lead wire is damaged.

Keep the motor's cooling fins and fan clear and clean. Regularly blow out the motors cooling fins and fan with dry compressed air.

After 6 months (3 months day and night shift operation) the stripping machine has to be cleaned thoroughly and maintained.

9 Maintenance and Reparation

Please keep in mind, that only qualified electricians may repair, maintain and check power tools under the terms of national regulations. Inappropriate reparations endanger the user considerably. Only use original spare parts. When you order spare parts, always quote the dates of the nameplate.

10 Noise / Vibration / Check Information

The manual stripping machine is checked after VDE 0740 part 1 and part 1A1, DIN EN 292-1, DIN EN 292-2, DIN EN 294, DIN EN 563, DIN EN 414.

The maximum sound level is 75 dB(A) at 1m distance.

11 Guarantee

If you use the unit as intended, we grant 6 months guarantee beginning at the purchase date.

Damages, that are caused by improper handling or normal fading, are not included in the guarantee.

Technical changes reserved.

Manufacturer



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