

OTTER BENCH TOP DIP SOLDERING MACHINE



The OTTER soldering machine has been specifically designed to meet the requirements of the smaller winding shop, and with its realistic price, brings the advantages of machine soldering within easy reach of all coilwinding companies. Interchangeable turret assemblies enable small batch runs of coils to be soldered quickly and economically, with a consistent quality that cannot be matched by hand dipping.

Specifications

Dimensions	50 cm x 50 cm x 30 cm h
Electrics	13 A, 240 V single phase
Temperature range	0 - 550 degrees C
Soldering time	0 - 9,9 seconds (digital readout in 0,1 sec.)
Cycle time	4-5 seconds (average)

Auto index model only

Compressed air supply 4 bar (60 p.s.i.)
Filter/regulator unit supplied on machine

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OTTER BENCH TOP DIP SOLDERING MACHINE

Universal and ingenious designed 4 station round table soldering machine, for flux and solder of parts, coils, transformers and more.

Load/Unload

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The load and unload process happens manual at the front of the machine.

Tooling

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The machine owns a turret with 4 angle brackets. Various designed toolings can be mounted to this brackets. Not only single toolings but also double or triple toolings. To change over toolings can be done by simple change of complete turret. With change over turret all parameters of flux and solder height are automatically set.

Flux station

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The first station after load is the flux station. The flux lift pot will come up to the pins or parts and dip in the area to be soldered. The adjustment of lift pot height can be adjusted easily, with turret change over all parameter are set on the turret. By turning the fine adjustment screw, the working height can be adjusted within 3 mm in 0,1 mm steps. The flux tank is pool and working tank in once.

Solder station

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On this important station the parts will be soldered. By exact setting of solder time up to 9,9 sec. in steps of 0,1 and a temperature control up to max. 550°C, you have the possibility to work on all normal solderable and high temp. resistance copper wires on the market. By using our patented de dross system there will be always a dross free area in the solder lift pot to guarantee a perfect soldering process. This patented special de dross system works within a solder level difference of 5-8 mm and the consumption of solder material is minimised. The adjustment of lift pot height can be adjusted easily, with turret change over all parameter are set on the turret. By turning the fine adjustment screw, the working height can be adjusted within 3 mm in 0,1 mm steps.

Over the top of the solder station there is a simple ventilation to ventilate solder fume away from the operator.

Settings

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The temperature setting can be done by simple turning the control knob. The set temperature is shown on a scale. If set temperature has not reached the function of lift arms is blocked. Reaching the set temperature is shown by a LED. Solder times will be set by switches, in 0,1 sec. steps.

Index

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The index of the turret happens manual by index arm. Optional this can be done by foot switch

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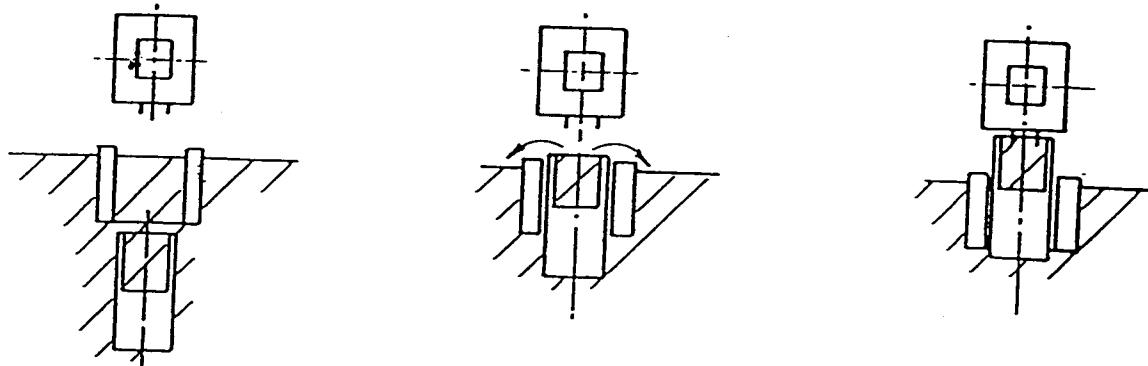
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Reef Engineering

Patentiertes System für sauberes Löten



1. Grundstellung

2. Der Arbeitstiegel bewegt sich durch die Führung nach oben und drückt das Lötzinn nach oben weg.
Dadurch entsteht ein Zinnfluß, der Verunreinigungen vom Arbeitstiegel wegschwemmt.

3. Sauberes Löten ist nun möglich

Im Vergleich zu anderer Systemen verbraucht dieses System sehr wenig Lötzinn und ist gegen Schwankungen der Zinnhöhe unempfindlich.