

vario TT

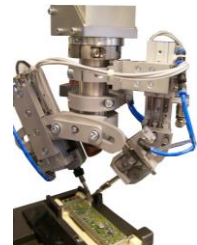
Soldering machine with turntable



Laser



LightBeam



HotIron



Induction



- *variable base module for several processes*
- *up to 3 automatic station in 1 machine*
- *modular concept with variable working area*
- *programming software WinControl*

vario: high flexibility by modular concept

The basic module is part of a modular and standardized system for selective soldering.

The vario system allows to integrate multiple working processes into one machine. Depending on the customer-specific application, different axis systems and soldering tools such as LightBeam, laser, hot-iron, induction, flame or mini wave can be integrated. Thus the system can be configured precisely to the requirements.

The control is based on industrial PC. But each working process is controlled by an autonomous micro controller. The local control concept saves capacity of the PC and guarantees the real time requirements of the processes.

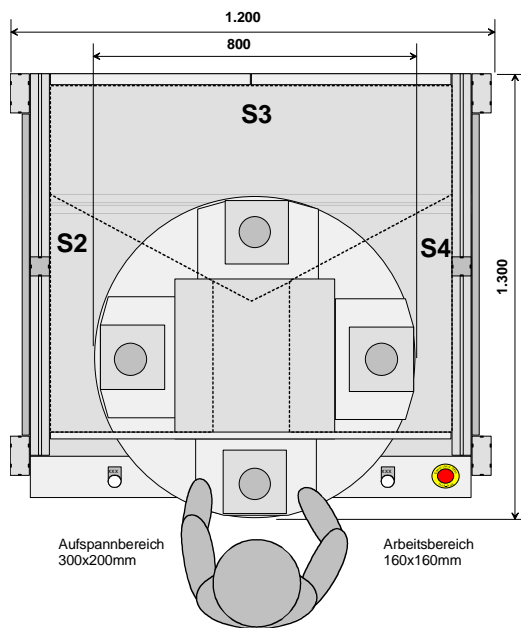
The PC-control allows the simple and comfortable handling of process parameters and programs. The machine is equipped with a remote option, in order to ensure fast support in case of failure

Your advantages:

- Process a. machine from one hand
- Customized machine made of proved standard components
- High flexibility regarding extension / adaptation for new products

And thus

- High level of process reliability
- Cost-optimal solution
- Safe investment

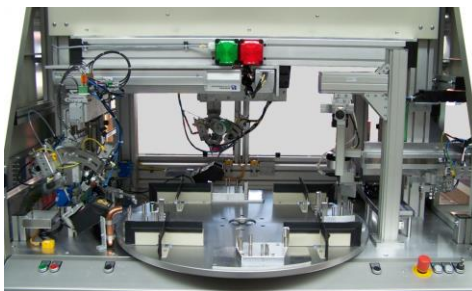


- 3 automatic stations in compact a footprint of only 1.200x1.300mm
- WEISS turn table with 4-partition, Diameter D = 700/800mm
- Clamping range of 300x200mm. work area 160x160mm (axis movements)
- Safety by two-hand operation and swing-flaps
- Light sensor for monitoring if the operator removed the finished part and inserted a new part before the next process is started.

available and proved processes / stations (selection)

- | | |
|-----------------------|------------------------------|
| - HotIron Soldering | - PreForm Assembly |
| - Light soldering | - SMD-Assembly |
| - Laser soldering | - part handling |
| - Induction soldering | - screwing |
| - preheating | - autom. opt. Inspect. (AOI) |
| - fluxing | - laser marking |
| - dispensing | - scanner (2D/3D) |

Examples



S1: Loadin / Unloading
 S2: soldering iron (XYZ)
 S3: soldering iron (XYZ)
 S4: AOI and autom. NIO part unloading



S1: Load / Unload
 S2: Scanner and MES
 S3: soldering iron (XYZ)
 S4: AOI



S1: Loadin / Unloadin
 S2: fluxing (X)
 S3: preform assembly (X)
 S4: Induction soldering