



STS 1100
Tinning Station for CrimpCenter

STATIONS

STS 1100

Concept

The STS 1100 tinning station is designed for fluxing and tin coating of stripped wire ends using lead-free solder.

The STS 1100 is perfectly suited for either fully automatic crimping machines or transfer systems. Conductors are coated with flux before passing to the solder. The STS 1100 tinning station can accommodate lead or lead-free solder and meets all requirements for evenly distributed tinning. All surfaces of the STS 1100 that are exposed to aggressive lead-free solder (such as the solder bath and pump), have been treated with a special coating to prevent corrosion and ensure a long product lifetime. If twisting of the conductor strands is required prior to fluxing and tinning, the STW 1100 twisting station can be integrated into your CrimpCenter in combination with the STS 1100 tinning station.

Special Features

- Full integration and control via CrimpCenter operating
- For use with leaded or lead-free solder
- Consistently tinned diameters
- Wire cross sections up to 2.5 mm² (14 AWG)

Processing Capabilities

- Programmable solder length and dwell timing
- Programmable fluxing length and dwell timing

Options

- Fixed base frame
- Base frame with horizontal adjustment
- Machine drip protection (different versions available)
- Special nozzles to optimize solder flow

Technical specifications	
Wire Cross Section	Up to 2.5 mm ² (14 AWG); possibly 4 mm ² depending on wire
Max. Tinning Length	Up to 5 mm; possibly 10 mm depending on wire
Operating Temperature	Max. 400 ° C, adjustable
Power Output	Max. 2000 W
Fluxing	Integrated
Power Supply	3 / N / PE AC 400 V, 50/60 Hz 3A
Dimensions (W x D x H)	145 x 400 x 570 mm (15.7 x 5.7 x 22.4") (station with optional base frame) 172 x 385 x 530 mm (15.1 x 6.8 x 21") (Flux-Tank)
Weight	approx. 20 kg (Including fixed base) (44.1 lbs)
CE-Conformity	The STS 1100 installed on CrimpCenter fully automatic machines complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.
Important Notice	Schleuniger recommends that wire samples be submitted in case where there is doubt as to the processing capabilities of a particular machine.