



STS 1100
Tinning Station for CrimpCenter

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

STATIONS

STS 1100

Concept

The STS 1100 tinning station is designed for fluxing and lead-free tinning of stripped wire ends. Optimized for integration into automatic systems, the STS 1100 is perfectly suited for all fully automatic crimping machines of the CrimpCenter series. Conductor end strands are treated with flux before tinning. The STS 1100 tinning station can accommodate leaded 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 with the CrimpCenter machine in combination with the STS 1100 tinning station.

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 (12 AWG) depending on wire |
| Maximum tinning length | Up to 5 mm (0.20") possibly 10 mm (0.40") depending on wire |
| Maximum operating temperature | 400° C (752° F), adjustable |
| Maximum power output | 2000 W |
| Fluxing | Integrated |
| Power supply | 3 / N / PE AC 400 V; 50 – 60 Hz 3A |
| Dimensions (L x W x H) | 145 x 400 x 570 mm (15.7 x 5.7 x 22.4") (with optional base frame) 172 x 385 x 530 mm (15.1 x 6.8 x 21.0) (Flux-Tank) |
| Weight | Approx. 20 kg (including fixed base) (44 lbs) |
| CE – conformity | The STS 1100 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility. |
| Important note | Schleuniger recommends that wire samples be submitted in cases where there is doubt as to the processing capabilities of a particular machine. |