



Innovators in Wire Processing

**STW 1100**  
Twisting Station for CrimpCenter

STATIONS

# STW 1100

## Concept

The STW 1100 twisting station twists conductor strands and is typically used in conjunction with the STS 1100 tinning station. With its compact design, the STW 1100 can either be mounted as a stand-alone station or mounted in any crimping station using the standard quick-change applicator base plate. Changing applications from twisting to crimping is fast and simple. All of the necessary station calibration settings and processing parameters are stored in the software for future use. The gripper force can be adjusted according to the application. Whether used as a stand-alone station or mounted in a crimping station, operating the STW 1100 is simple and fully integrated.

## Special Features

- Can be mounted in the crimping press or used as a stand-alone station
- Full integration and control via CrimpCenter EASY operating software
- Wire cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

## Options

- Base frame (required for use as stand-alone station)
- 23 mm twist length (Side 1 only, depends on wire; testing required)
- Adapters for different applicator base plate versions

## Processing Capabilities

The applications listed below require a STW 1100 twisting station, STS 1100 tinning station and additional processing stations. Possible configurations depend on the number of available stations of your CrimpCenter model.

- Twist/Tin to Crimp
  - CrimpCenter 36
  - CrimpCenter 63
  - CrimpCenter 64
  - CrimpCenter 67
- Twist/Tin to Seal/Crimp
  - CrimpCenter 36
  - CrimpCenter 64
  - CrimpCenter 67
- Twist/Tin both ends
  - CrimpCenter 36
  - CrimpCenter 67
- Doubling Crimp (with Twist/Tin and Crimp)
  - CrimpCenter 67
  - CrimpCenter 36

## Technical Specifications

|                              |  |
|------------------------------|--|
| <b>Wire Cross Section</b>    | up to 2.5 mm <sup>2</sup> (AWG 14); possibly up to 4mm <sup>2</sup> (AWG 12), depending on wire  |
| <b>Twisting Length End 1</b> | 4 – 18 mm (0.16 – 0.71") [optional up to 23 mm (0.91") depending on wire]  |
| <b>Twisting Length End 2</b> | 4 – 18 mm (0.16 – 0.71")   |
| <b>Control</b>               | Programmable directly in CrimpCenter operating software EASY   |
| <b>Power Supply</b>          | 24 V DC, 1.5 A   |
| <b>Air Supply</b>            | min. 6 bar compressed air, oil-free, filtered and dry  |
| <b>Dimensions</b>            | (W x D x H) 80 x 315 x 160 mm (3.1" x 12.4" x 6.2")  |
| <b>Weight</b>                | ≤4.22 kg (9.3lbs)  |
| <b>CE-Conformity</b>         | The STW 1100 fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility. |
| <b>Important Note</b>        | Schleuniger recommends that wire samples be submitted in case where there is doubt as to the processing capabilities of a particular machine.        |

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