



komax WIRE

X1582

TWISTING MODULE

Twisting strand ends – the ideal basis for optimum tinning processes.

Precise, productive and reliable

Twisted strand ends are the ideal basis for carrying out tinning rapidly and with pinpoint accuracy. The X1582 twisting module for fully automatic wire processing machines twists stripped wire ends in a wide range of dimensions. This results in optimum quality starting from a conductor cross-section of just 0.03 mm² and twisting lengths of just 2 mm. The twisting process is very precise, ensuring that no strands are damaged – even for extremely thin wires.

The X1582 is highly reliable and has a long service life thanks to its robust, high-quality design. It is also extremely low maintenance.

When integrated into the crimp module, the X1582 twisting module is quick to implement and is highly versatile. It can also be used as a standalone unit. In-depth integration in TopWin facilitates simple operation, while EtherCAT ensures that everything works smoothly. This combination of advanced technologies paired with simple, quick changeover processes leads to an extremely high level of productivity.

The X1582 strand twisting module and the X1585 fluxing/tin-plating module can be combined to achieve optimum results. The well-coordinated units create the ideal conditions for even more accurate tinning processes.

Technical data

Wire cross-section	0.03–2.50 mm ² (AWG32 – 14) 4 mm ² (AWG12) available* Option of thin wires: 0.013 – 0.081 mm ² (AGW36 – 28)
Twisting length	max. 20 mm (depends on how the base machine is set up)
Drive	Closed-loop stepper motor
Electrical connection	24 VDC
Compressed air connection	Oil-free compressed air, 4–6 bar
Dimensions (W×H×D)	440×185×105 mm

* Depending on wire type

Your benefits

- High process quality in a wide range of applications
- High productivity
- Saves on changeover time, user friendly and versatile
- Long service life, low maintenance and robust