



komax

X2880

TERMINAL PRE-ORIENTATION MODULE

The X2880 module pre-oriens terminals towards the shortest open ends of twisted wires for subsequent manual loading.

Drive assistant and infotainment systems are increasing the demand for UTP (unshielded twisted pair) data wires, for example for ethernet applications. The very short, open ends of the UTPs create high requirements for parallel loading of the terminals. Komax has developed the X2880 terminal pre-orientation module for the Sigma 688 ST and Alpha 488 S in order to optimize the guidance of the wire ends.

X2880 optimizes loading with UTP wires

UTP terminals can be individually pre-oriented on all four wire ends, preventing manual loading errors, such as kinks in the terminals and the untwisting of wire ends, as well as finger injuries. This enables fast, safe, reliable processes, maximum quality and cost savings, while reducing the number of rejects and reworking.

The X2880 module is available as an option for the Sigma 688 S and the Alpha 488 S. It consists of two units that can be acquired separately. There is one unit for each machine side, which allows pre-orientation of the terminals on just one wire end. The module is an ideal supplement to the 'short open ends' processing set and can be retrofitted onto existing Alpha 488 S and Sigma 688 ST models.

Technical Data

Wire cross-section*	2 × 0.22 – 2 × 1.0 mm ² (AWG 24 – AWG 14)
Wire cross-section* (optional)	From 0.13 mm ² (AWG 26)
Pre-orientation angle	± 180°
Variance of pre-orientation angle**	Approximately ± 30°
Max. terminal/seal length	32 mm (1.26 in)
Max. terminal/seal diameter	5.5 mm (0.22 in)
Open wire ends***	15 – 99 mm (0.59 – 3.90 in)
Software version	TopWin 17.6 and higher
Position on side 1	Processing station 3 instead of a seal module

* Deviations in processing are possible in the cross-section range for extremely hard and tough wires. Conducting a feasibility test with processing samples in other cases is recommended.

** Depending on the wire material, item parameters and machine settings.

*** Depending on the pitch, outer diameter, end processing and installed options.

Your benefits

- Fast, controlled manual loading of twisted wires**
- Avoidance of terminal damage**
- Preservation of the UTP quality without untwisting the wire ends**
- Cost savings**