



WireTwister 3300 AD

Double head twisting with high-speed carriers

- Two twisting-lines with automatic driven carriers for maximum productivity
- Color touchscreen for easy programming
- Save up to 1'000 programs in memory
- Barcode-scanner option for loading jobs quickly
- Available in several different lengths to meet your requirements

TWISTING

WireTwister 3300 AD

Concept

The WireTwister 3300 AD is an automatic double head wire twisting machine. With two integrated twisting lines featuring high speed twisting heads and self-driven carriers, the machine achieves an unbeatable performance. The operator can easily load both ends of the untwisted wires into the machine from one standing position. The ergonomic access to the wire holders and twisting heads allows quick and easy operation. Dual palm button switches and multiple safety shields ensure safe operation. High quality linear guides and drive belts offer precise positioning, high quality and a long lifetime. A color touchscreen user interface with intuitive menus for parameter settings and job-management allow easy programming and operation. During setup, a guided pitch-correction menu helps the operator to achieve the desired pitch automatically. The WireTwister 3300 AD is available in different lengths to meet customer requirements.

Customer Benefit

- Programmable high speed twisting heads for high twisting performance
- Carriers move automatically for easy loading of wires while the operator remains in one position
- Programmable wire tension during twisting and relaxing procedure
- Integrated twisting-correction algorithm for easy setup and saving of a correct twisting pitch
- Self-explanatory menus with intuitive navigation for programming, job-handling and operation with different password protected user levels

Function

The WireTwister 3300 AD operates with two alternating twisting lines. While the first line twists the wires, the operator loads the next set of untwisted wires onto the second twisting line. The operator loads the right wire ends into the carrier clamps. The carrier pulls the wire precisely to the programmed position for initial wire length and the operator then loads the left wire ends into the twisting head. Each twisting line twists the wires with programmable tension control. When processing some applications, the twisted wire length shortens more than the tension stroke and the carrier moves automatically to maintain the proper tension. A programmable relaxing sequence at the end of the twisting process ensures highly repeatable quality. The wire holders automatically eject the twisted pair cable into the integrated stacking channel and the carrier moves to the operator to be ready for the next pair of wires to be loaded.

Technical Specifications	
Untwisted wire length	600 up to 6'400 8'800 11'200 mm (23.6" up to 252 346.5 441")
Length of lay (pitch)	5 – 50 mm (0.20 – 1.97")
Wire cross section	2 x 0.13 – 2 x 3 mm ² (2 x 26 AWG – 2 x 12 AWG)
Length of open (untwisted) ends	30 – 100 mm (1.18 – 3.94")
Difference in open ends	0 – 60 mm (0 – 2.36")
Program capacity	up to 1'000 programs
Twisting speed	800 – 2'000 rpm
Power Supply	230 VAC +/-5%, 50/60Hz, <1kw, compressed air 5 bar (73psi)
Dimensions (L x W x H) Net weight	7'400 x 750 x 1'360 mm, 460 kg (291 x 29.5 x 53.5", 1014 lbs) 9'800 x 750 x 1'360 mm, 570 kg (385 x 29.5 x 53.5", 1257 lbs) 12'200 x 750 x 1'360 mm, 680 kg (480 x 29.5 x 53.5", 1499 lbs)
CE-Conformity	The WireTwister 3300 AD fully complies with all CE and EMV equipment guidelines relative to mechanical and electrical safety and electro-magnetic compatibility.