



Description: Wire Processing Center optimizes the production of wires reducing the processing time up to 75%. The PWA6000 fully automates the cutting to length, stripping, crimping, marking and bundling of the wires boosting productivity and ensuring consistent and precise quality. The machine has an internal, automated wire feeding with 12 spools for different wires. An external accessory is available for storage of additional wires that can feed the machine without using the internal spools reducing the switching times. The machine places the ferrules on both sides and marks the wires. The finished wires are placed on adhesive tapes, in a predefined order, to optimize order picking. The fully automated process of prefabrication wires optimizes the panel wiring process and thereby reduces costs.

Human Machine Interface: Modern operating solution with 21.5" touchscreen, industrial PC with Intel i5 processor and Windows 10 64-bit operating system.

Wire feeding: The machine has an automated wire feeding with 12 spools for different wires. An external accessory is available for storage of additional wires that can feed the machine without using the internal spools reducing the switching times.

Stripping and crimping: Electropneumatic stripper and crimping with 5-way magazine for processing insulated wire end ferrules on a reel. Crimping length can be adjusted either to 8 mm or alternatively 10 mm. The finished wires include ferrules on both ends without manual intervention.

Wire marking system: Direct printing on the wire to mark the source and target identification on each end of the wire. The wires are marked with blue ink so it is suitable for almost all wire colours and avoids the use of two printers.

Processable wires: Wires with a cross-section from 0,5 mm² up to 2,5 mm² (AWG 20-14) can be processed without set-up times.

Speed: 120 wires/hour including ferrules on both sides of the wire.

Machine software: Personal Wiring Suit is an intuitive programming system for the PWA6000 to produce the wires. An external accessory is available for storage of finished wires and transport to the panel shop. This accessory has a screen to visualize the panel wiring by providing the source and target plus the routing in the panel.

Interface: Projects generated with almost all available CAD and E-planning systems in the market can be processed directly on the machine software, using .CSV or .XLS files.

Rated voltage: 240 V, 1~, 50 Hz.

Rated current: 16 A.

Compressed air: 6-8 bar, suction capacity 300 l/min.

Machine footprint Width	Machine footprint Depth	Item no.
1050	1150	PWA6000