

# PSA Solutions: Wire Processing Assistants



# PWA

## Wire Processing Made Easy



CUTTING



STRIPPING



CRIMPING



MARKING

FULLY  
AUTOMATED

Optimize the wiring process  
and reduce costs with  
the fully automated  
wire prefabrication

nVent HOFFMAN PWA6000 wiring machines quickly deliver the right wire when you need it. The PWA6000 optimizes wire production, reducing processing time up to 75%.

An extraordinary advantage of the PWA6000 wiring machine is it takes input from your CAE system to visualize the wire route on the mounting plate. This leading-edge capability saves you considerable time, especially for control cabinets that require a lot of wiring. It also enables you to optimize labor resources. Because it's so easy to use, you can train support personnel to use the PWA and reserve your highly skilled workers for other important tasks.

Choose from a variety of PWA solutions with different levels of automation to best meet your business needs.

Select options for centralized or decentralized use. Only nVent offers a fully automated decentralized wiring solution suitable for one-off production. It is ideal for direct use in the panel shop or prefabrication for future use.

# 75%

labor reductions vs.  
traditional wire processing

AUTOMATED  
STORAGE  
UP TO 12 SPOOLS

MOBILE  
SOLUTION

## External Cable Storage





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 places the ferrules on both sides and marks the wires. The finished wires are placed on adhesive tapes, in a predefined, sequenced order, to optimize order picking.

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 colors and avoids the use of two printers.

## Personal Wiring Suit

### Efficient process management

nVent HOFFMAN PWA6000 fully automated wire processing center optimizes the production, boosting productivity and ensuring consistent and precise quality.

The integrated machines software, Personal Wiring Suite (PWS) makes the prefabrication process easy and intuitive.

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

# Simple sourcing for your **One-stop shop convenience!**



## **nVent HOFFMAN** semi-automated wire processing machines

### **PWA5000** Personal Wiring Assistant

Mobile solutions that optimize wire production, reducing processing time up to 50%

- Fully automates cutting to length, stripping and crimping of wires, boosting productivity, consistency and quality.
- Eight internal spools of wire help reduce switching times.
- Suitable for one-off production ideal for direct use in panel shop or prefabrication for future use.

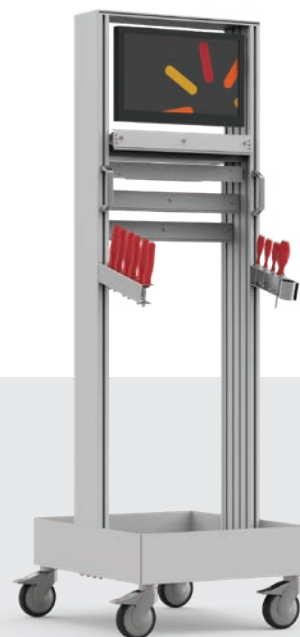
### **PWA2000** Personal Wiring Assistant

- Recently upgraded with a new optimized programming system and interface, the machine makes it easy to precisely cut wires into exact lengths.
- For added convenience and time savings, the PWA can be integrated with wire strip and crimp machines or configured to meet modular workstation needs.

## **nVent HOFFMAN** wire processing accessories

### **Accessories for manual and semi-automated wire prefabrication process**

For improved performance and reliability, check our latest spare parts (consumables) catalog to help you identify at a glance the items you need.



## nVent HOFFMAN cable storage solutions

### **CS1000** **Cable Storage Frame**

Designed for high capacity and a small footprint, the mobile storage solution offers a convenient and flexible way to store and spool additional wiring.

- Helps save spool-switching time, while optimizing the panel wiring process.
- Makes cable management easier.

### **WT3000 & SWT3000** **Wire Trolleys**

Designed to accommodate different types of wire holders for virtually any cable sizes as well as bundled wires.

- Flexible and ergonomic solution to optimize cable assemblies.
- Available in a standard or data-enabled smart version.

Learn more about our  
Panel Shop  
Automation Solutions



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**CADDY   ERICO   HOFFMAN   ILSCO   SCHROFF   TRACHTE**