

STX

SINGLE-TASK
WIRE PROCESSORS

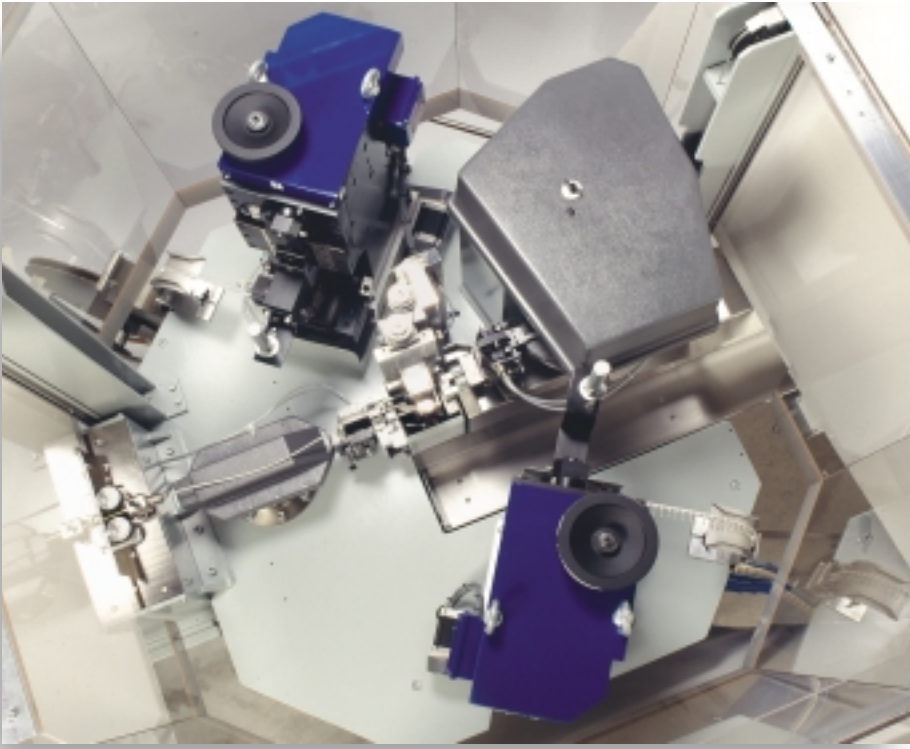
ARTOS
ENGINEERING COMPANY



STX SERIES 5



THE STX SINGLE-TASK WIRE PROCESSOR



The STX Wire Processor is built to handle single, repeatable tasks efficiently, reliably and with minimum set up time.

A Single-Minded Focus on Value

When Artos introduced MTX multi-tasking technology just a few years ago, we broke new ground in the wire processing industry. The MTX is a proven solution for companies that need an automated wire processor that can seemingly "do it all." But not every company needs that kind of flexibility. That's why we developed the STX Single-Task Wire Processor ... a reliable and efficient repeatable-task processor with technology and components that are based on its very popular predecessor.

The STX is engineered to deliver optimum, cost-effective performance in dedicated applications. Six brushless servo motors provide fast, precise control over most processing functions, including: wire feeding, wire stripping and wire end of core placement. This ensures the best possible combination of reliability, output and precision, with cycle speeds of over 4,500/hr.

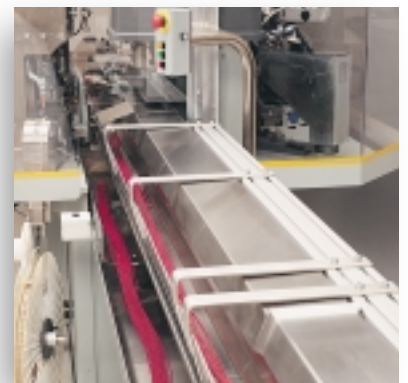
A belt-driven feed system (with length verification through a separate encoder) assures accurate cutting lengths and insulation integrity. In-process inspections ensure quality stripping and crimping. And finally, closed loop servos provide feedback on end-of-core positioning movements.



An ergonomically designed PC workstation has been built right into STX wire processors.



Terminal reels are loaded below the working platform on the STX to minimize lifting during a changeover. Paper take-up devices are also available for collection of terminal reel paper waste.



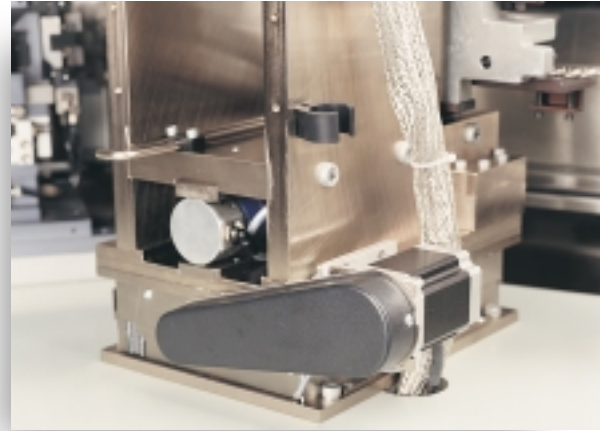
An optional wire collector with batch sorter provides continuous operation during batch processing. Two (2) and four (4) meter collectors are available for longer lengths. Additional units may be added.

PERFORMANCE AND VALUE IN A DEDICATED SYSTEM

Designed to Minimize Time For Set-up and Changeover

The STX simplifies terminal changeover by eliminating the need to manually position to the wire terminal applicator. Users can program the end of the wire into a pre-set position and program the height of the terminating station so that machine set-up is done automatically with maximum precision. Such programs can be easily recalled and even can be shared between other STX or MTX processors.

- Crimping unit height can be easily adjusted without tools. An optional programmable system allows height to be set automatically.
- Open design provides access to all working areas. Upward lifting guard provides easy access and safety.
- Blade and guide changeover is quick and easy. No tools required.
- End of core positions can be determined either through a motorized jog feature or through a unique self-learning process which allows a user to manually teach the desired processing positions.
- Wire loading is simplified through the STX's self-threading feature.



Changing from open to closed barrel terminals has been automated through the introduction of a patented pneumatic tonking device and a processing station base with optional programmable height adjustment.

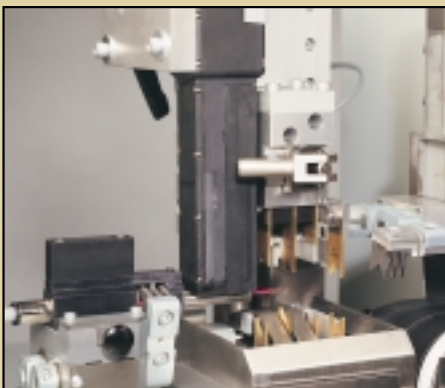
Intuitive Software for Maximum Productivity

The STX operator interface features our revolutionary Global Database software. This lets you enter set-up information quickly, easily and accurately. It allows you to prescribe wire positions and programs (to be shared via network with other machines, on site or off), eliminating the need for duplicate set-up procedures. A set-up program mode is available to guide the operator through verification of settings to meet quality standards.

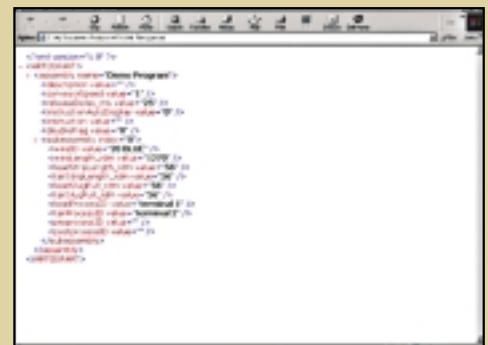
Windows software graphically displays the application, permitting visual verification of parameters entered. The program also lets you define and customize who has access to it. In addition, ".xml" data files facilitate easy transfer of data between the STX and external sources.



STX Windows Software offers graphic displays for easy operation. Programs can be easily created from combining existing wire and terminal set-up information, eliminating redundant programming.



Integrated Ink-Jet marking option is programmable through the STX operator screen, making markings integral to part programs.



The STX software allows data to be converted from simple text files to machine programs through the use of ".xml" files. This facilitates the automation of data entry by allowing the importation of external data for machine programming.

STX SERIES 5 SPECIFICATIONS

Wire Sizes –

0,22 to 6mm² (24 to 10 AWG).
Smaller sizes may be possible
depending on wire type.

Wire Lengths –

51mm to 100M (2" to 325'). Shorter
lengths possible with special tooling.

Strip Lengths –

0 to 16mm (0 to 0.630"). Longer
strip lengths may be possible with
additional tooling.

Electrical Requirement –

208 to 480 Volt, 3 phase, 50 or 60 Hz.

Air Requirement –

2.4 l/sec. @ 6 Bar (5 CFM @ 80 PSI).

**Dimensions (LxWxH) – with passive
collector:** 3556mm x 1730mm
x 1840mm (140" x 70" x 73").

With 4M collector: 5850mm x
1730mm x 1840mm (230" x 70" x 73").

Height with guard open:
2900mm (114").

Shipping Weight –

STX with EPS2010 crimping station:
approximately 1728kg (3,800 lbs.).

Note: Specifications are subject to change
without notice, and exceptions may
apply depending on application, wire and
other variables. Optional equipment may
require standard machine modification
and/or later specifications.

STX General Options

- 2 or 4 meter collector with batch sorter
- Terminal run-out detection device
- Programmable crimp force monitor
- CFM diagnostic software with SPC output
- Bad wire chop-off and reject
- Programmable termination base height adjustment
- Programmable tonking unit
- Paper take-up device
- Terminal scrap collection device
- Programmable ink-jet interface
- Hot stamp/general purpose pre-process interface

SOLID ENGINEERING. RELIABLE SOLUTIONS.



EPS2010 Crimping Station



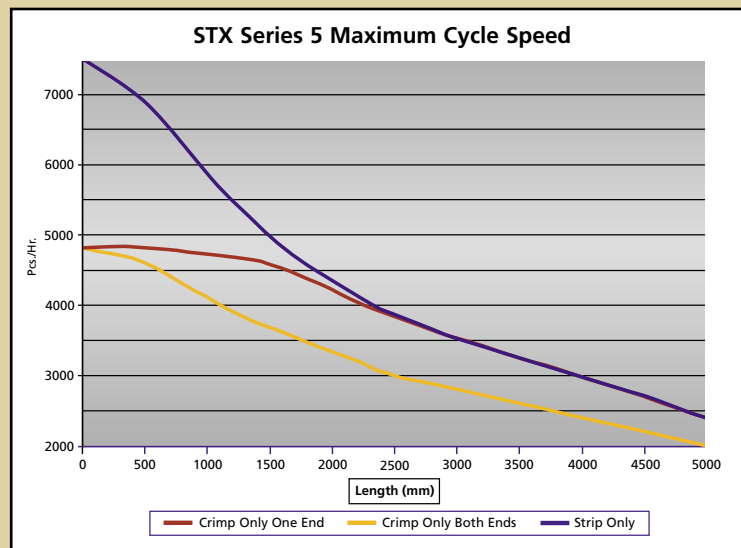
Bad wires are made unusable and can be
collected separately from good parts.

EPS2010 ...

Assures Quality Crimping

The fully integrated EPS2010 electronic
crimping station gives you maximum
performance and value. Features include:

- Hand wheel for easy manual cycling
to verify set-up (standard)
- Optional split cycle operation for
pre-insulated closed barrel application
- Optional terminal slug chop-off helps
maintain clean work surface
- Optional integrated crimp monitor
provides bad wire chop-off and
separates bad wires from good
- *Note: The STX allows for the installation
of other crimping units as well.*



Based on maximum
cycle speeds, actual
production rates
will vary.