



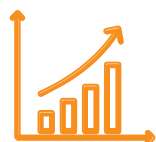
RBK-X1 PROCESSOR

Product Brochure

RBK-X1 PROCESSOR

TE Connectivity's (TE) new semi-automatic RBK X1C heat shrink tubing processing machine is designed for sealing wire bundles, splices, and ring terminals and features long-lasting heating elements as well as operator key lock/password protection levels.

It includes individual selections for installation times, temperature and product size information and offers a small footprint and simple touch screen interface. The machine comes with automatic centering (standard on select models, but also available as an upgrade for earlier models) that enhances product quality by automatically positioning tubing over the splice prior to heating. The ultrasonic welder can communicate time & temperature changes to be automatically set with the RBK-X1 without operator intervention. Our latest technology now enables the system to cool the air when shrinking is complete, protecting the operator from burns.



Affordable High-Performance Tool



Quality Process Control



Customizable

Key Features	Benefits
Affordable High-Performance Tool	<ul style="list-style-type: none">Competitively priced alternative to less measurably reliable heat gunsAutomatic centering of tubing over the splice prior to heatingAir-cooling after shrinking, and adjustable cooling time by ultrasonic welderReliable PLC (Programmable Logic Controller) control with short machine depth to accommodate a larger front working areaThe ability to interface with an upstream ultrasonic welder without operator interventionOnly machine of its kind, at the present time, in the market that allows cooling time programming from welder independently from other process parametersHeating chamber driven by stepper motor
Quality Process Control	<ul style="list-style-type: none">Stand-alone (Operator sets time & temp)Sequence (Preset times & temps can be sequenced automatically)Remote (Receiving data automatically from external device)Barcode (program is selected from a database by barcode reading)
Customizable	<ul style="list-style-type: none">Tubes Type 1, 2, 3 & 3A, up to 19mmØ x 65mm length.Tube type 4 (up to 19mmØ x 75mm) can be processed with optional heating element.Stub splices can be processed using fixture.Ring terminals processed using fixture or ring tool.Fixture can be customized for specific products.

Industries

- Industrial
- Appliances
- Automotive
- Aerospace Defense & Marine

Applications

- Industrial Machinery
- Appliances
- Flight
- Performance Materials

Technical Details

Technical Specifications	
Dimensions	419 x 555 x 218 mm (without centering device) 555 x 500 x 232 mm (with centering device)
Weight	24 Kg (without centering device), 32 Kg (with centering device)
Voltage	220V 50Hz
Air Pressure	Min 6 bar (not required for 2234800-1 & -2)
Programmable temperature	200 ... 600°C
Programmable time	0.1 ... 99.9 seconds (optional cooling time also programmable)
Maximum tube diameter	19mmØ
Maximum tube length	75mm (without centering device), 60mm (with centering device)
Minimum harness length	240mm, splice centered (without optional fixture), minimum (with fixture)
Working modes	Memory selection (10), Sequential, Barcode (1000), Remote (connected to an ultrasonic welder)
End splices, short wires and ring terminals	Optional fixture required

Current Available Product Applications

- Welding machines
- Heat shrink labels for cables
- Wire bundles
- Stub splice and in-line splice terminals
- Ring terminals

Ordering Information

PROCESSORS AND FIXTURES		CENTERING DEVICE?	AIR COOLING?	CE APPROVED?
PN 2234800-1	RBK-X1 STD	NO	NO	NO
PN 2234800-2	RBK-X1 CE STD	NO	NO	YES
PN 1-2234800-1	RBK-X1, AUTO TRIGGER	NO	NO	NO
PN 1-2234800-3	RBK-X1 WITH AIR COOLING	NO	YES	NO
PN 1-2234800-4	RBK-X1 CE WITH AIR COOLING	NO	YES	YES
PN 2376800-1	RBK-X1C STD	YES	NO	NO
PN 2376800-2	RBK-X1C CE STD	YES	NO	YES
PN 1-2376800-3	RBK-X1C WITH AIR COOLING	YES	YES	NO
PN 1-2376800-4	RBK-X1C CE WITH AIR COOLING	YES	YES	YES
PN 2234786-1	RBK FIXTURE, MULTI-TOOL	COMPATIBLE WITH: RBK3 RBK4 RBK X1 (ALL VERSIONS WITHOUT CENTERING DEVICE)		
PN 2234786-2	RBK FIXTURE, MULTI-TOOL, A/C			
PN 2234786-3	RBK FIXTURE, CAP W/ FLATTEN BRKT			
PN 2234786-4	RBK FIXTURE, CAP W/ FLATTEN BRKT, A/C			
PN 2369606-1	RBK FIXTURE, HEADSET	COMPATIBLE WITH ALL X1C (CENTERING DEVICE)		

Ordering Information

ACCESSORIES	
PN 2234781-1	HANDHELD BARCODE SCANNER, WIRED
PN 2234986-1	120V – 230V STEP UP TRANSFORMER, WITH US MAINS AC CORD
PN 2234787-1	COMMUNICATION CABLE, RS-232-C
PN 2234787-2	COMMUNICATION CABLE WITH NON-CE INTERFACE, RS-232-C
PN 2234787-3	COMMUNICATION CABLE WITH CE INTERFACE, RS-232-C
PN 5-523205-6	STANDARD UHI-250-A CALIBRATION PROBE, WITH CALIBRATION CERTIFICATE
PN 2234991-1	STANDARD HEATING ELEMENT, FOR 65mm PRODUCTS
PN 2234991-2	SPECIAL (TYPE 4) HEATING ELEMENT, FOR 75mm PRODUCTS
PN 1-2376800-4	RBK-X1C CE, W/ AIR COOLING
PN (TBD)	CUSTOMIZED MES (PN AND PRICE DEPENDING ON PROJECT)

CALIBRATION TOOLS	
PN 1-2389761-2	HANDHELD BARCODE SCANNER, WIRED
PN 288869-000	120V – 230V STEP UP TRANSFORMER, WITH US MAINS AC CORD
PN 1-2234800-1	COMMUNICATION CABLE, RS-232-C
PN 9-2375314-7	COMMUNICATION CABLE WITH NON-CE INTERFACE, RS-232-C

Connect With Us

Our tooling is supported by an established, experienced and responsive field service organization. TE Connectivity field engineers are located worldwide and are available to assist with on-site and remote service; selection and installation of new equipment; training; and technical support. Service agreements are available to provide protection and support for all your application tooling equipment.

Contact Us

Phone: Americas 1-800-722-1111

EMEA 49-6151-607-1518

APAC 86-021-3325-9030

Tooling Portfolio: tooling.te.com

Field Service: te.com/fieldservice

te.com

NanoMQS, TE Connectivity, TE Connectivity (logo) and Every Connection Counts are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

©2023 TE Connectivity. All Rights Reserved.

12/23 Original