



FLEXIBLE FLAT CABLE (FFC) TERMINATION MACHINE - MARK II

Product Brochure

FLEXIBLE FLAT CABLE (FFC) TERMINATION MACHINE - MARK II

TE Connectivity's (TE) termination machine is an electrical driven semi-automatic assembly machine that uses different applicators to terminate reel-feed FFC terminals to manually supplied FFC cables. The machine terminates a predefined number of contacts to the supplied cable end. Individual conductor positions can be skipped during the assembly sequence.

Key Features

- Alignment of the cable is effected in the machine
- Number of pins can be programmed
- Pitches between 1.27 mm and 5.08 mm can be programmed
- Individual wire positions can be skipped
- Operator friendly interface via touch screen
- Interchangeable applicators available for different products
- Quick change of the applicator

Industries

- Automotive
- Industrial & Commercial Transportation
- Aerospace Defense & Marine
- Data Communications

Applications

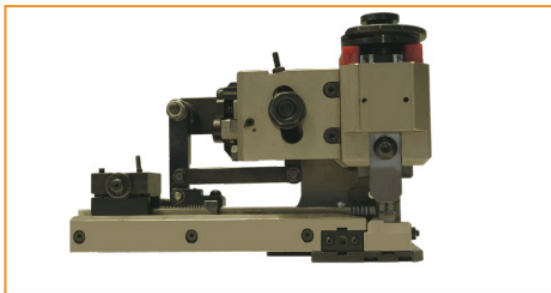
- Management systems Power Battery
- Management systems for Storage Battery
- Flat Cable Harness

Compatible TE Connectivity Products

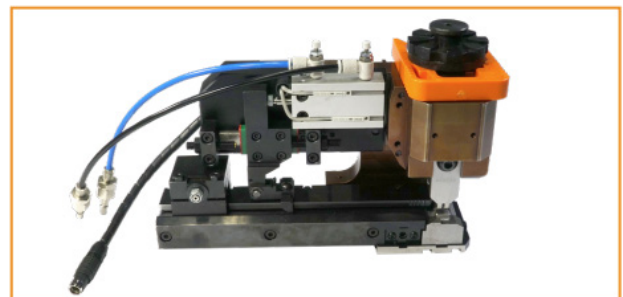
- FFC MQS and MQS+ terminals
- FFC Junior Timer terminals
- FFC AMPMODU .100 terminals
- FFC AMPMODU .050 terminals
- FFC Card Edge terminals
- ACTION PIN terminals
- FFC soldering terminals
- FFC Nano MQS terminals

Options for Harnessing

- Flexible Flat Cable (FFC)
- Flexible Printed Circuit (FPC)
- Processable widths are depending on the number
- of connector positions and on the foil contour.
- Possible number of crimps:
 - Pitch 5.08 mm = 18 crimps
 - Pitch 2.54 mm = 37 crimps
 - Pitch 1.80 mm = 52 crimps
 - Pitch 1.27 mm = 74 crimps
- Other pitches upon request



Applicator for FFC Terminals / Mechanical Feed



Applicator for FFC Terminals / Pneumatic Feed

Technical Details

Technical Specifications	
Crimp Force	15 kN
Press Stroke	40 mm [1.56 in]
Weight	100 kg
Reel Diameter	610 mm [24 in]
Power Supply	230/240 V, 50 Hz
Compressed Air Supply	6 bars
Crimping Rate	Approx. 3 contacts/sec
Dimensions of machine with reel (H x W x D)	1200 x 1200 x 600 mm

Requirements for Processing FFC and FPC

Foil length	Min. 50 mm
Foil stop Necessary for foil pitch	< 4 x 2.54 mm

Requirements for correct Sensor Function

Min. 25 mm straight conductor length
Foil must be transparent

Remark:

A quote can be given only after test and qualification of the foil to be terminated.

Compatible Terminals/Contacts

Terminals/Contacts	Mechanical Applicator	Pneumatic Applicator
FFC MQS / MQS+	5-528441-3	-
FFC Junior Timer	3-528441-7	-
FFC AMPMODU .100	5-528441-5	-
FFC AMPMODU .050	3-528441-9	-
FFC NanoMQS	3-528508-2	3-528508-7
ACTION PIN	5-528441-6	-
FFC Soldering Contact	5-528441-7	-

Ordering Information

Specifications	
PN 2475350-1	BASE MACHINE MARK II
Wide Range	APPLICATOR/ TERMINAL

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

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Tooling Portfolio: tooling.te.com

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