

FLEXIBLE FLAT CABLE (FFC) TERMINATION

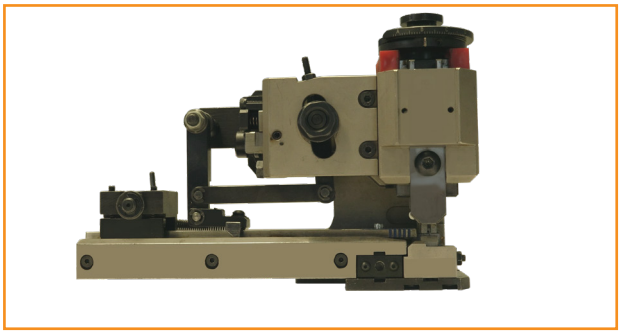
FFC BASE MACHINE MARK II

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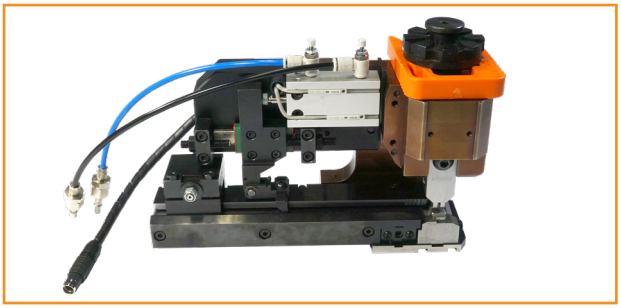
FLEXIBLE FLAT CABLE (FFC) TERMINATION MACHINE



FFC Base Machine Mark II PN 2475350-1



Applicator for FFC Terminals / Mechanical Feed



Applicator for FFC Terminals / Pneumatic Feed

The 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.

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

Compatable 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

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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.

Technical Data

Crimping 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

Optional components:

Paper winder

The 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.

Together with the FFC Applicator, the machine terminates the end of the supplied Flexible Flat Cable.

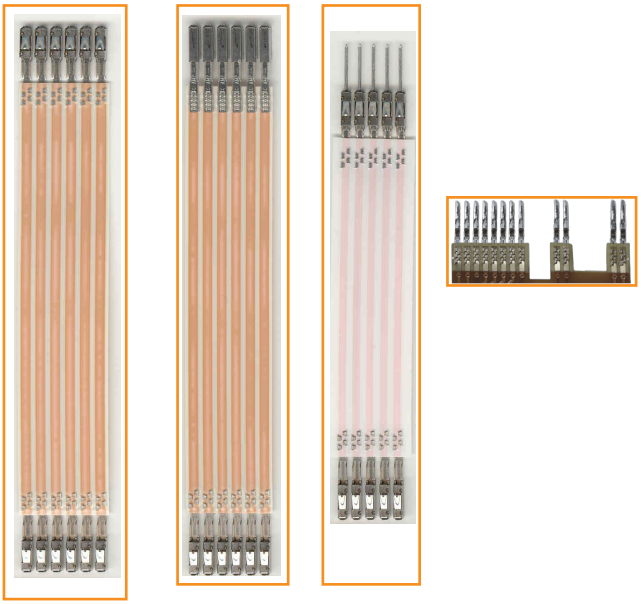
Remarks:

- The FFC Applicator is not part of the machine and has to be ordered separately.
- Only end termination of the contacts.

Base Machine PN 2475350-1

Currently available Applicators

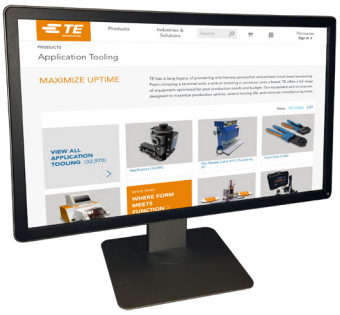
Terminals/Contacts	Mechanical Applicator	Pneumatic Applicator
FFC MQS / MQS+	5-528441-3	-
FFC Junior Timer	3-528441-7	-
FFC AMPMODU .100	5-528441-5	-
FFC AMPMODU .050	3-528441-9	-
FFC Nano MQS	3-528508-2	3-528508-7
ACTION PIN	5-528441-6	-
FFC Soldering Contact	5-528441-7	-



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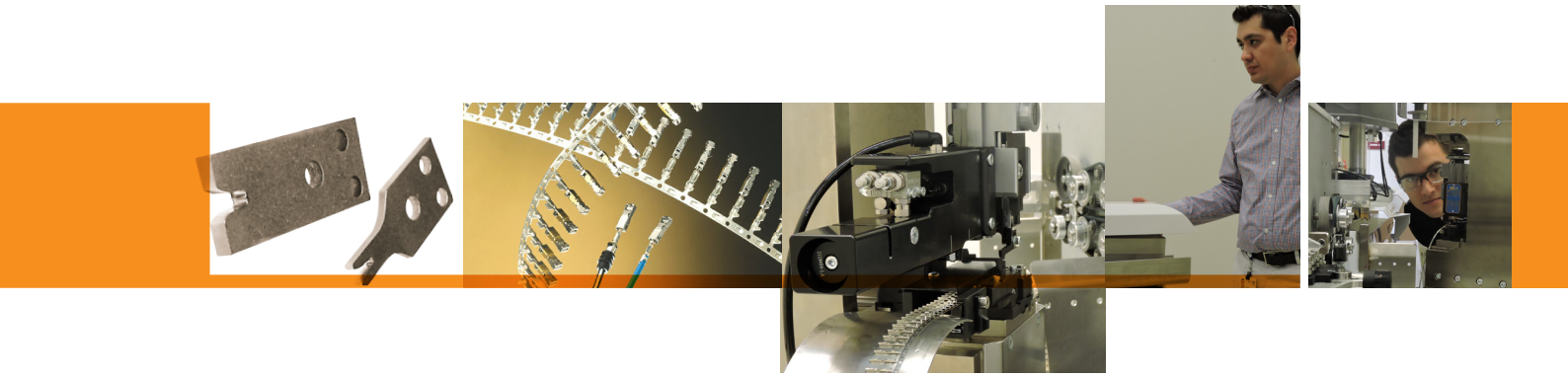
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