FLEXIBLE FLAT CABLE (FFC) TERMINATION

FFC BASE MACHINE MARK II
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

**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.
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.

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<th>Mechanical Applicator</th>
<th>Pneumatic Applicator</th>
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<td>FFC Soldering Contact</td>
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Let's Connect
Learn more about our comprehensive line of tooling solutions at tooling.te.com.

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