



MX-5050 Center Stripping Machine

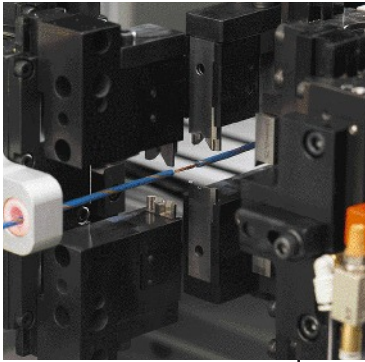
■ APPLICATION:

The Mechtrix MX-5050 Center Stripping Machine will remove a preset length of insulation from along the length of an insulated wire. The machine is designed to process wire gages from 0.5mm² to 8mm² (20 AWG to 8 AWG). The standard MX-5050 Machine is designed to remove a "window" of insulation from 8mm to 25mm long (0.315" to 1.0"). A special short center strip version of the machine can be ordered that will remove a smaller "window" of insulation from 5mm to 10mm long (0.196" to 0.394").

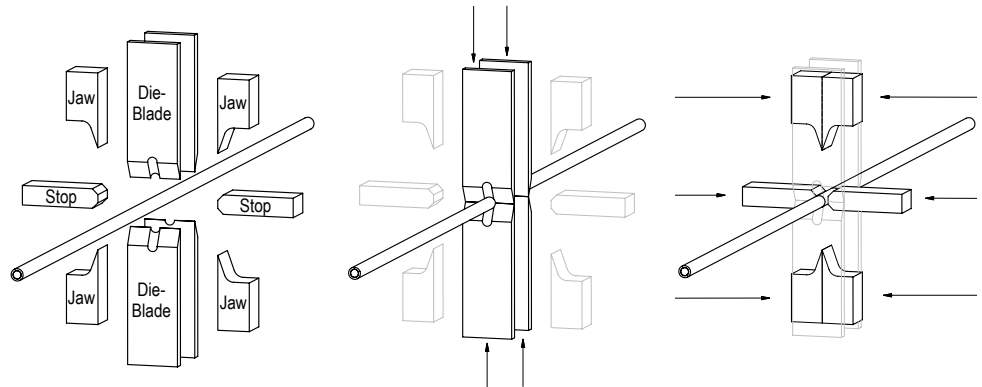
When a circuit design requires wires to be sliced or joined together, the MX-5050 can instantly double the production output of your wire processing system. Proven as the optimum method for splicing wires, center stripping reduces the number of discrete wires in a harness while simultaneously improving the electro/mechanical characteristics of the splice and harness.

The MX-5050 machine is electronically interfaced with the wire processing machine via a communication cable and is activated with a simple closed contact signal from the wire processing machine indicating that the wire has stopped moving and is in position. This can occur during the wire feed cycle as many times as required or, for the shortest possible cycle time, after the feed cycle during the cut/strip/termination cycle when the wire is already stopped. The maximum number of center strips per hour is 3500.





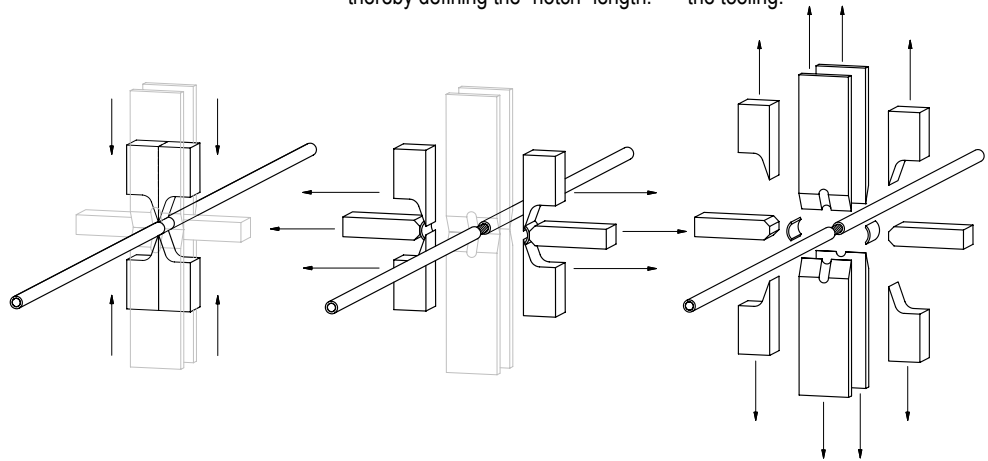
PROCESS: MX-5050 Center Stripping Machine



STEP 1: Initial position, jaws are open and back, die-blades are open.

STEP 2: Die-blades close cutting the insulation around the conductor thereby defining the "notch" length.

STEP 3: Jaws move together and the stops center the insulation in the tooling.



STEP 4: Jaws close slitting the insulation in half. The die-blades move apart separating the insulation slug from the rest of the wire.

STEP 5: Jaws move back removing the halved sections of insulation.

STEP 6: Jaws open. Halved insulation section is removed from the tooling by air blow-off.

APPLICATION RANGE:

Wire Specification Range:

Conductor Diameter: 0.8 – 4.3mm
0.031 – 0.170"
Insulation Diameter: 1.2 – 6.6mm
0.047 – 0.260"

Center Stripping Width Range:

Minimum: 8.5mm
0.315"
Maximum: 25mm
1.0"

Machine Cycle Time:

Maximum: 1.03 seconds

Process Speed:

Maximum: 3500 per hour

MACHINE REQUIREMENTS:

Air:

2.3CFM @ 80 p.s.i. @3500/hr.

Electrical:

100 to 240VAC, 50 to 60Hz (Auto switching)

Floor Space:

1070mm wide x 865mm deep x 1360mm high
42" wide x 34" deep x 53.5" high

Weight:

73 kg
160 lbs