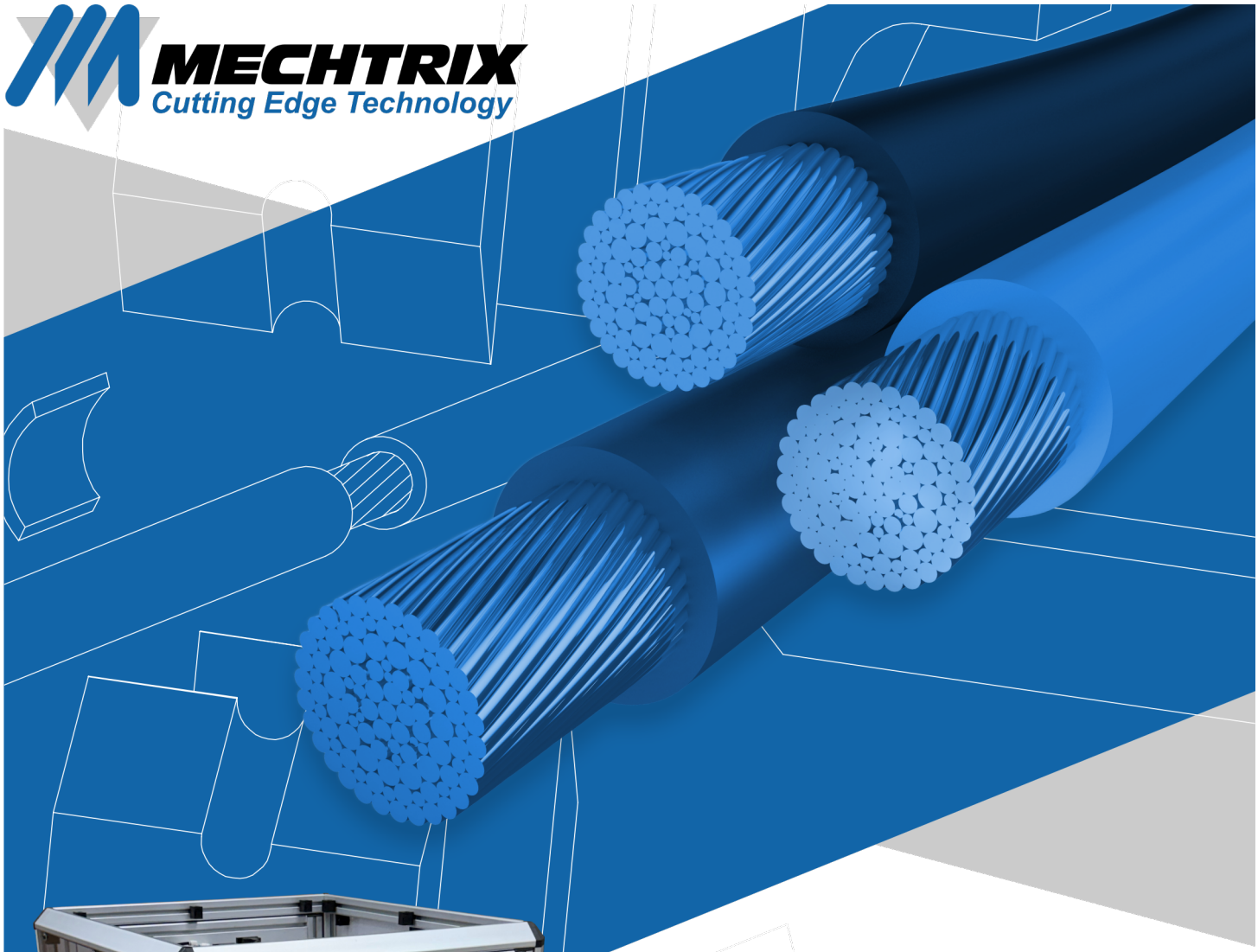
MECHTRIX
Cutting Edge Technology





MX-5175 Center Stripper

The **Mechtrix MX-5175 Heavy Duty Center Stripping Machine** removes a preset length of insulation from along the length of an insulated wire. The MX-5175 is designed to process wire gauges from 1.5mm^2 to 95mm^2 (14AWG to 2/0AWG). The standard MX-5175 is designed to remove a window of insulation of 13mm to 50mm (0.512” to 2.0”).

When a circuit design requires wires to be mechanically or ultrasonically spliced or joined together, the MX-5175 can instantly double the production output of your wire processing system. Proven as the optimum method for preparing circuits for splicing applications, center stripping reduces the number of discrete wires in a harness while maximizing the electro/mechanical characteristics of the wire splice and harness.

MX-5175 Heavy Duty Center Stripping Machine

OPERATION

The MX-5175 Heavy Duty Center Stripping Machine is interfaced with the wire processing machine via a communication cable. The MX-5175 is then activated with a simple closed contact signal from the wire procesing machine indicating that the wire has stopped moving and is in position to be center stripped. Center stripping with the MX-5175 can occur during the wire feed cycle as many times as needed or after the feed cycle, during the cut/strip/termination cycle when the wire is already stopped, for the shortest possible cycle time.

APPLICATION RANGE

Wire Specification Range:

Conductor Diameter:	2.0 - 12mm 0.079 - 0.472”
Insulation: Diameter:	up to 15.8mm up to 0.620”

Center Stripping Width Range:

Minimum:	13mm 0.512”
Maximum:	50mm 2.0”
Maximum Cycle Time:	1.2 seconds
Maximum Process Speed:	3000 per hour

MACHINE REQUIREMENTS

Air:

2.9CFM @ 80psi @ 3000/hr

Electrical:

100 - 240VAC, 50 - 60Hz (Auto Switching)

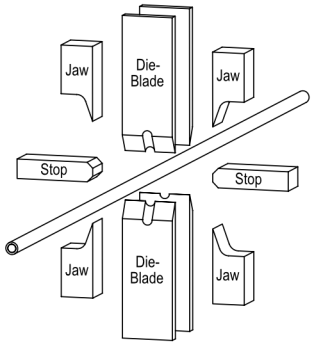
Floor Space:

1118mm long x 813mm wide x 1220mm high
44” long x 32” wide x 48” high

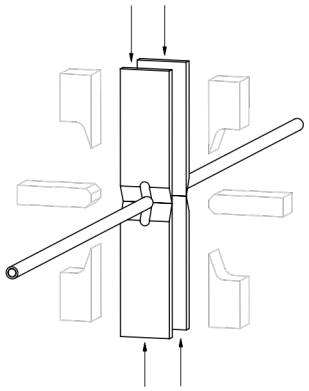
Weight:

130kg
285lbs

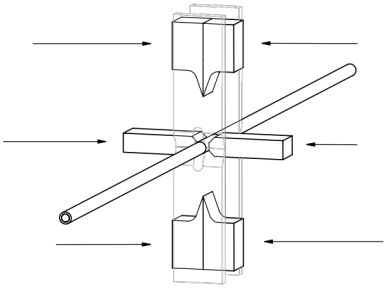
PROCESS



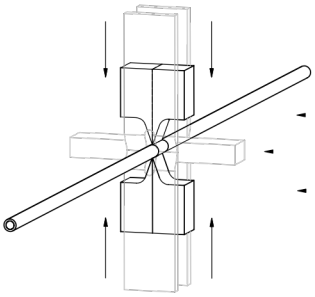
STEP 1: Initial position, jaws are open and back, die-blades are open.



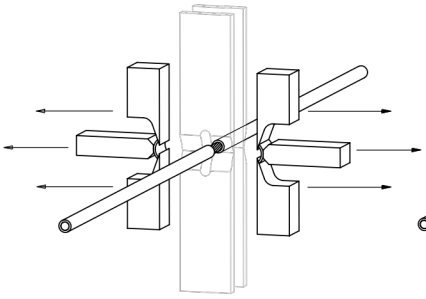
STEP 2: Die-blades close cutting the insulation around the conductor thereby defining the “notch” length.



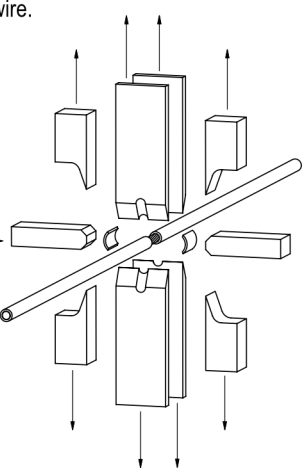
STEP 3: Jaws move together and the stops center the insulation in the tooling.



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.