

HOT STAMP PRINTERS



Modprint 2020A



Modprint 2020EC

Both models measure, cut and mark off-line for wire harnesses and print on most wire insulations including ETFE and TFE

FEATURES:

- Programmable printing controls
- Functions are controlled and monitored by a microprocessor-based programmable logic controller (PLC)
- Setup and batch information input via operator interface with touch screen
- Measures, cuts and marks insulated wire and cable
- Utilizes full-size, 40-character typewheels
- Prints horizontally or vertically
- Modular components provide ease of maintenance and reduced down time
- Quick-change fixture system minimizes set-up time and maximizes printing speed
- Mounts up to 28 typewheels
- Legends are set in seconds: no handling of hot type or waiting to reach operating temperature
- English measurement standard, metric optional (additional cost)
- **High voltage spark tester halts operations when an insulation fault is detected, ensuring wire quality before advancing to down-line processes (2020A model)**
- Prints on sizes from .035" to .250" OD

Modprint 2020EC & Modprint 2020A

Application: Insulated wire and cable-sizes .035" to .250" OD

Operation: Motorized pneumatic/electric; programmable logic controller (PLC)

Printing Method: Hot stamp process: full-size, 40 characters per typewheel (maximum 28 typewheels)

Printing Characteristics: Measures, cuts and marks; one-line, horizontal or vertical automatic incremental printing

Printing Area: English 1 line X 2.8" on sizes .035" to .250" OD

Metric 1 line x 71.1mm on sizes .889mm to 6.3mm OD

Hot Stamp Foil: Kingsley bulk foil in lengths up to 600'. See Kingsley Foil Data Sheets for specs.

Power & Air Requirements: 110V standard (220V available); 100 PSI / 5 CFM

Controls: All print spacing, speed and print functions controlled from PLC. Digital temperature controller with actual and set point readout. Test mark and test cycle functions, air pressure regulator, fault detector—printwheel fault, and foil out; main power and motor E-stop; safety guard with interlock switch. **Spark tester available (Model MP2020A) to test for wire insulation defects.**

Machine supplied with: Wire coiling pan; heavy duty grounded power cord

Options: Motorized de-reeler/pre-feeder; heavy duty work station cart

Required Accessories: Kingsley typewheels, wire holding fixtures and foil. See Kingsley Data Sheets for specs.

Recommended Accessories: Additional typewheels and mandrel

Dimensions: **EC Model** Height: 16" (406mm) Width: 35" (889mm) Depth: 23" (584mm)
A Model Height: 16" (406mm) **Width: 48" (1219mm)** Depth: 23" (584mm)

Weight: EC Model = 95 lbs (43kg) ; **A Model = 150 lbs (68 kg)**

Production Speed Production speed is determined by many variables. The greatest effect on production speed is the space between marks (Long Space, Short Space). Wire insulation, wire diameter, wire length, print dwell, and the quantity of wires in each batch are also factors.

Examples of Production Speed at Various Settings:



END LENGTH	SHORT SPACE	LONG SPACE	SPEED (FT/MIN)
24"	6"	12"	60
24"	3"	12"	59
24"	6"	24"	81
24"	3"	24"	79
24"	24"	24"	84
24"	12"	12"	62
24"	6"	6"	41

Once the desired length is programmed using the Length Adjust feature, the machine will hold the length to within 0.2% of the Total Length Set.

Pricing and specifications are subject to change.



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