PRODUCT SPECIFICATION

1. SCOPE

1.1. Content

This specification covers the capabilities, requirements, and general method of operation and performance for the AMP-O-MATIC* stripper/crimper model II, side feed machine, PN 854040-1

1.2. Equipment Function

A bench type semi-automatic machine that accepts interchangeable applicators which will strip and crimp 1 wire completely with each manually actuated machine cycle.

2. APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

2.1. AMP Specifications

A. 114-35000: Application Specification
B. IS 7424 IS Sheet
C. CM-5807: Customer Manual
D. Additional Application Specifications and Instruction Sheets May Apply for the Specific Terminals and Applicator Being Used

2.2. National Standards and Regulations

A. OSHA 29CFR1910: Occupational Safety and Health Administration Safety and Health Standards
B. ANSI/NFPA 70: National Electrical Code
C. ANSI/NFPA 79: Electrical Standard for Industrial Machinery
D. ANSI Z 244.1: American National Standard for Personnel Protection

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Product Code: 1667

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0	Release per ECN M-2839	fR	7/2 91	PAGE 1 OF 4	TITLE MACHINE, AMP-O-MATIC, SIDE FEED, MODEL II, STRIPPER/ CRIMPER		
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3. REQUIREMENTS

3.1. Input

A. Various reeled, side feed, open barreled terminals including, but not limited to: AMPLIMITE*, AMPMODU*, Locking Clip, MATE-N-LOK*, Multimate and Twin Leaf terminals.

B. Discrete wires or jacketed cable from 14 AWG to 32 AWG. Wire insulation may be .003 to .050 inch of polyvinylchloride, polyethylene, polytetrafluoroethylene, polypropylene or similar material.

NOTE: Most 30 and 32 AWG wires must be run in hand mode for good results.

C. Minimum jacketed cable breakout is .8 inch for typical 24 AWG, 25 conductor cable. Breakout will increase with wire size and number of conductors

3.2. Output

A. Dimensional, size limits, and tolerances

(1) Application specification 114-35000
(2) Applicable Application for particular product being run

B. Average acceptable finished assemblies per hour

(1) 1000/hour for 24 AWG jacketed cable with prepared 1 inch breakout
(2) 1400/hour for discrete wire

C. Factors affecting rate

(1) Operator dexterity
(2) Machine speed adjustments
(3) Wire size and configuration
(4) Run mode selection (hand or auto)

D. Average setup time for product/material change

(1) Without a tooling change required, 5 minutes
(2) With a tooling change required, 10 minutes

E. Average time to replace expendable part, 5 - 10 minutes

F. Tool/machine cycle time, approximately 2 seconds

3.3. Physical

A. Dimensions from operator's station

(1) Width:16 inches
(2) Depth:22 inches
(3) Height:35 inches (without reel)

B. Weight: 150 pounds

C. Mounting, bench

D. Pneumatic Controls

(1) Operator's

(a) ON/OFF lockout valve
(b) Foot operated valve
(c) Handmode/Automode selector knob
(d) Optional automatic wire sensor

(2) Interlocks, front door

E. Actuating Power

Pneumatics and pneumatically driven linkage

F. Functional Sequence

(1) Product processing sequence

(a) Wire manually positioned in the target area
(b) Machine grips the wire
(c) Machine strips the wire
(d) Applicator crimps wire into pre-position terminal
(e) Machine returns to original condition

(2) Input and output devices

Optional crimp quality monitor available

(3) Completed product disposition

Removed manually by operator

(4) Scrap/packaging disposal

Terminal carrier strip chopped up and dropped into tray; wire insulation remnants blown out by air blast

G. Optional additional equipment

"Contour" style stripping blades, PN 854064

3.4. Production Operation

A. Physical environment

Complies with NFPA 79 for temperature, altitude, humidity, and transportation and storage.

B. Operator

(1) Number/machine. Frequency of attendance: 1 operator fulltime
(2) Work center description, 28 to 30 inch high bench with adjustable chair recommended

C. Setup and Maintenance

(1) Technical knowledge, pneumatics
(2) Separate equipment requirements, applicators(which include regular strip blades) are product specific and are ordered separately

3.5. Utilities

A. Air consumption 80 psi minimum, 3.5 scfm maximum

B. Electrical Supply

117 vac, .1 ampere maximum, 1 phase, 60 Hertz

3.6. Transportation

A. Shipping Container

(1). Length: 28 inches

(2). Width: 24 inches

(3). Height: 34 inches

B. Gross weight: 175 pounds

3.7. Design

A. Conforms to following codes and regulations: OSHA (29CFR1910), NEC (NFPA70), Industrial Machinery (NFPA79), ZMS (ANSI Z 244.1).

B. AMP Incorporated Safety and Health Manual

C. Noise level 88.5 dba maximum, measured on slow response scale at operator's position. OSHA maximum for no personal protection equipment for an 8 hour period is 90 dba.

D. Electrical components UL Listed