



Presses	
Description	Order No.
TM-44 Press without Mini-Mac (220V)	11-09-2074
TM-42 Press without Dies (110V)	69002-5001
TM-144 Press and Stripper without Mini-Mac (220V)	11-09-2073
TM-7 Press without Mini-Mac (110V)	11-05-0043
TM-7 Press without Mini-Mac (220V)	11-05-0046

Terminal Series	Order No.											Wire Gauge AWG (mm ²)	Insulation Diameter
	Hand Crimper	Extraction Tool	Insertion Tool	Terminator Die	Terminator Die Spare Tooling	FineAdjust Applicator	FineAdjust Spare Tooling	Mini-Mac	Mini-Mac Spare Tooling	TM-144	TM-80		
70021	11-01-0209	11-03-0036	11-02-0022	11-40-2288	11-40-3288	63820-4000	63820-4070		11-18-3205		11-09-2072	24-30 (0.20-0.05)	1.52 (.060) max.
70021	11-01-0208	11-03-0036	11-02-0022	11-40-2087	11-40-3087	63820-4100	63820-4170		11-18-3016			22-24 (0.35-0.20)	1.63 (.064) max.
70058	11-01-0209	11-03-0036	11-02-0022	11-40-2283	11-40-3284	63820-2000	63820-2070		11-18-3204		11-09-2079	24-30 (0.20-0.05)	1.52 (.060) max.
70058	11-01-0208	11-03-0036	11-02-0022	11-40-2090	11-40-3090	63820-2100	63820-2170		11-18-3019	11-09-2102	11-09-2101	22-24 (0.35-0.20)	1.63 (.064) max.
71851	11-01-0209	11-03-0036	11-02-0022	11-40-2283	11-40-3284	63820-2000	63820-2070		11-18-3204		11-09-2079	24-30 (0.20-0.05)	1.52 (.060) max.
71851	11-01-0208	11-03-0036	11-02-0022	11-40-2090	11-40-3090	63820-2100	63820-2170		11-18-3019	11-09-2102	11-09-2101	22-24 (0.35-0.20)	1.63 (.064) max.

ORDERING INFORMATION

Preferred Version in Europe — Not Available in the US

Crimp Tooling Molex Europe

Terminal Series No.	Order No.							Wire Gauge AWG (mm ²)	Insulation Diameter
	Hand Crimper	Extraction Tool	Insertion Tool	Mini-Mac	Mini-Mac Spare Tooling	TM-144*	TM-80		
70021				69037-1149	69037-2149			24-30 (0.20-0.05)	1.52 (.060) max.
70021				69037-1150	69037-2150			22-24 (0.35-0.20)	1.63 (.064) max.
70058				69037-1146	69037-2146			24-30 (0.20-0.05)	1.52 (.060) max.
70058				69037-1148	69037-2148			22-24 (0.35-0.20)	1.63 (.064) max.
71851				69037-1146	69037-2146			24-30 (0.20-0.05)	1.52 (.060) max.
71851				69037-1148	69037-2148			22-24 (0.35-0.20)	1.63 (.064) max.

* Includes Mini-Mac

ORDERING INFORMATION

Preferred Version in Japan — Not Available in the US

Crimp Tooling Molex Japan

Presses	
Description	Order No.
Press for Crimp Die	M15
Press for Modular Crimp Die	M15A
Mini Press for Modular Crimp Die	57177-4000

Terminal Series No.	Order No.					Wire Gauge AWG (mm ²)	Insulation Diameter
	Hand Crimper	Extraction Tool	Insertion Tool	Modular Crimp Die	Crimp Die		
70021-0004 70021-0006	57036-5000* 57037-5000†	57033-6000	57033-6000	57017-3000		24-28 (0.20-0.08)	1.52 (.060) max.
70021-0021 70021-0023	57036-5000†	57033-6000	57033-6000	57017-3000		24-30 (0.20-0.05)	1.40 (.055) max.
70058-0004 70058-0006	57036-5000* 57037-5000†	57033-6000‡ 57093-6000**	57033-6000	57014-3000		24-28 (0.20-0.08)	1.15 (.045) max.
70058-0022 70058-0024	57036-5000†	57033-6000‡ 57093-6000**	57033-6000	57014-3000		30-34 (0.05-0.02)	0.90 (.035) max.

* 24 to 26 AWG Insulation Diameter 1.60mm max.

† 24 to 30 AWG Insulation Diameter 1.60mm max.

‡ 22 to 24 AWG Insulation Diameter 1.60mm max.

§ Applies except for No. 51008 housing

** Applies only for No. 51008 housing



FEATURES AND SPECIFICATIONS

Features

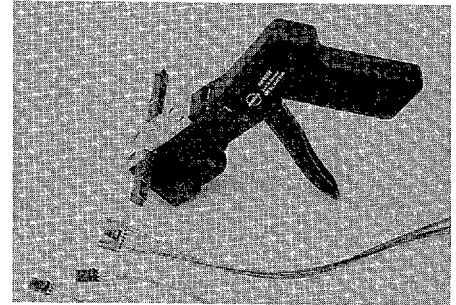
- Terminates C-Grid SL 70107, 70400 and 70475 product
- Full cycle ratchet
- Automatic indexing to next position after insertion of discrete wire
- Built-in release mechanism
- Does not break off carrier strip
- Does not insert terminals into connector
- Snaps onto standard pistol
- For low volume, prototype and field repair

Specifications

Rate: Up to 300 terminations per hour, dependent on operator speed and application (terminal insertion and carrier break off is not included in rate)
Wire Diameter: Discrete wire only, 0.053" diameter max.

Application Tooling Insulation Displacement Technology Tooling For C-Grid SL™

Discrete Wire Terminator Handgun



ORDERING INFORMATION

Description	Order No.	Use with Molex Connector
Hand Tool Handle	11-21-5194	
Module for .100" Connectors	11-31-7597	70400, 70475
Module for .100" Connectors	62100-0300	70107

FEATURES AND SPECIFICATIONS

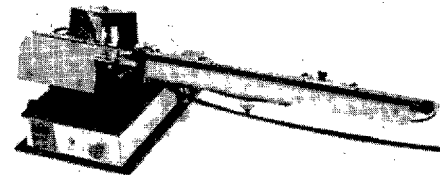
Features

- Terminates C-Grid SL 70400 and 70475 product
- Connectors are fed from preloaded tubes or reels; no manual handling
- Automatically inserts terminals into connector
- Automatic carrier removal system
- Simple setting for different circuit sizes
- Electronic controller for machine operation
- Foot pedal operated

Specifications

Size: Width—965mm (38")
Depth—585mm (23")
Height—686mm (27")
Weight: 47kg (103 lb)
Pneumatics: Pressure—5 BAR (80psig)
Consumption—14L per minute (0.5 CFM)
Electrical: Voltage—120V, 60 Hz or 220V, 50 Hz
Current—2.0A at 120 or 1.0A at 220
Insulation Diameter: 0.80 to 1.35mm (.032 to .053")
Rate: Up to 550 assemblies per hour, dependent on operator speed and application

Semi-Automatic Ribbon Cable Terminators Hawk Series



ORDERING INFORMATION

Description	Order No.	Use with Molex Connector
Ribbon Cable Terminator (Tube Feed)	11-20-0908	70400, 70475
Ribbon Cable Terminator (Reel Feed)	11-20-0939	70400, 70475

Note: "H" version currently not available in tubes

FEATURES AND SPECIFICATIONS

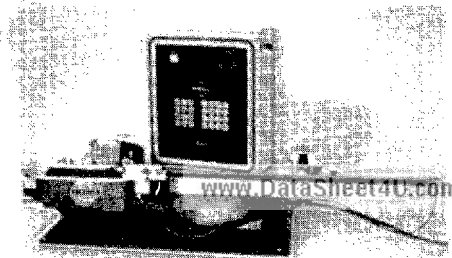
Features

- Terminates C-Grid SL 70400 and 70475 product
- Connectors are fed from preloaded tubes; no manual handling
- Automatically inserts terminals into connector
- Automatic carrier removal system
- Simple setting for different circuit sizes
- Programmable setting for running voids
- Display prompting operator for wire color sequence
- Electronic controller for machine operation
- Foot pedal operated

Specifications

Size: Width—965mm (38")
Depth—457mm (18")
Height—432mm (17")
Weight: 47kg (103 lb)
Pneumatics: Pressure—5 BAR (80psig)
Consumption—14L per minute (0.5 CFM)
Electrical: Voltage—120V, 60 Hz or 220V, 50 Hz
Current—2.0A at 120 or 1.0A at 220
Insulation Diameter: 0.80 to 1.35mm (.032 to .053")
Rate: Up to 1000 terminations per hour, dependent on operator speed and application

Semi-Automatic Discrete Wire Terminators Hawk Series



ORDERING INFORMATION

Description	Order No.	Use with Molex Connector
Discrete Wire Terminator (Tube Feed)	11-20-1305	70400, 70475

Note: "H" version currently not available in tubes

FEATURES AND SPECIFICATIONS**Features**

- Terminates C-Grid SL 70400 and 70475 product
- Connectors are fed from preloaded tubes; no manual handling
- Automatically inserts terminals into connector
- Manual carrier removal system (secondary off machine)
- Simple setting for different circuit sizes
- Electronic controller for machine operation
- Foot pedal operated

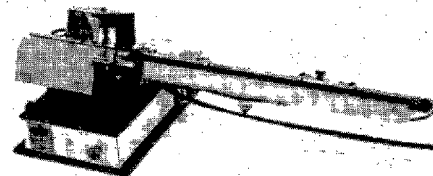
Specifications

Size: Width—990mm (39")
 Depth—508mm (20")
 Height—356mm (14")
 Weight: 47kg (103 lb)
 Pneumatics: Pressure—5 BAR (80psig)
 Consumption—14L per minute (0.5 CFM)
 Electrical: Voltage—120V, 60 Hz or 220V, 50 Hz
 Current—2.0A at 120 or 1.0A at 220
 Insulation Diameter: 0.80 to 1.35mm (.032 to .053")
 Rate: Up to 800 terminations per hour, dependent on operator speed and application



Application Tooling Insulation Displacement Technology Tooling For C-Grid SL™

Semi-Automatic Discrete Wire Terminators Hawk Series

**ORDERING INFORMATION**

Description	Order No.	Use with Molex Connector
Discrete Wire Terminator (Tube Feed)	11-20-0949	70400, 70475

Note: "H" version currently not available in tubes, use reel

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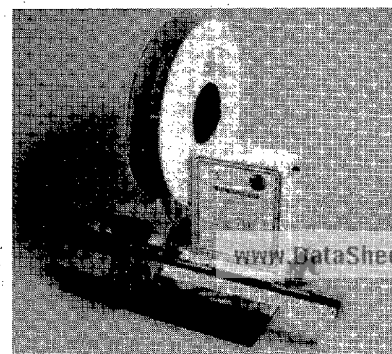
FEATURES AND SPECIFICATIONS**Features**

- Terminates C-Grid SL 70400 and 70475 product
- Connectors are fed from welded film reels; no manual handling
- Automatically inserts terminals into connector
- Automatic carrier removal system
- Simple setting for different circuit sizes
- Programmable setting for running voids
- Display prompting operator for wire color sequence
- Electronic controller for machine operation
- Foot pedal operated

Specifications

Size: Width—965mm (38")
 Depth—584mm (23")
 Height—686mm (27")
 Weight: 47kg (103 lb)
 Pneumatics: Pressure—5 BAR (80psig)
 Consumption—14L per minute (0.5 CFM)
 Electrical: Voltage—120V, 60 Hz or 220V, 50 Hz
 Current—2.0A at 120 or 1.0A at 220
 Insulation Diameter: 0.80 to 1.35mm (.032 to .053")
 Rate: Up to 1000 terminations per hour, dependent on operator speed and application

Semi-Automatic Discrete Wire Terminators

**ORDERING INFORMATION**

Description	Order No.	Use with Molex Connector
Discrete Wire Terminator (Reel Feed)	11-20-1331	70400, 70475

Note: "H" version currently not available in tubes



FEATURES AND SPECIFICATIONS

Features

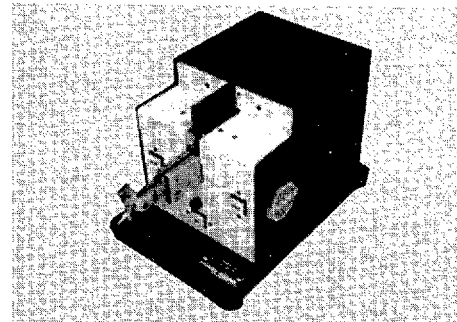
- Semi-automatic, electric
- Voiding capabilities
- Terminates Version A through F, 70451 Series
- Terminates 2 wires at once, and automatically seats terminals to complete assembly

Specifications

Size: Width—254mm (10")
 Depth—480mm (19")
 Height—267mm (10.5")
 Weight: 21.8kg (48 lb)
 Electrical: 120V AC, 60 Hz
 Rate: Up to 1400 terminations per hour, dependent on operator speed and application

Application Tooling Insulation Displacement Technology Tooling For C-Grid SL™

Electric Terminator for Dual Row 70451 Connector



ORDERING INFORMATION

Description	Order No.	Connector
Electric Press	11-20-0917	70451 Series

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FEATURES AND SPECIFICATIONS

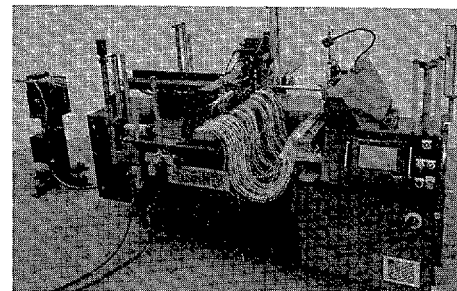
Features

- Terminates C-Grid SL 70400 and 70475 product
- Fully automatic mass terminating machines for high volume applications (minimum estimated annual usage of 10 million terminations)
- Double end having single ended harness capabilities without strip
- Full strip for discrete wire
- Strip and retain for cable
- Single ended harness capability with strip (38mm/1.5" max.) (harness length of 76mm/3" min. to 610mm/24" max.)
- Discrete wire with variable wire length capability (harness length of 152mm/6" min. to 2400mm/95" max.)
- Up to 64 terminations per cycle, dependent on circuit size
- Terminal insertion into connector
- Carrier break off

Specifications

Pneumatics: Pressure—5 BAR (80psig)
 Consumption—142L per minute (5 CFM)
 Electrical: Voltage—220V AC, 50 Hz or 240V AC, 60 Hz
 Current—40.0A (dependent on wire feed options)
 Rate: 300 cycles per hour average, dependent on harness length

62000-0000 Series Automatic Harness Assembly Machines



ORDERING INFORMATION

Description	Order No.	Use with Molex Connector
Fully Automatic Mass Terminator for Discrete Wire and Ribbon Cable	Contact factory	70400, 70475

Note: Due to the special nature of these machines contact factory for information related to specific harness requirements

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FEATURES

- Manually operated
- Interchangeable nests included for various header types

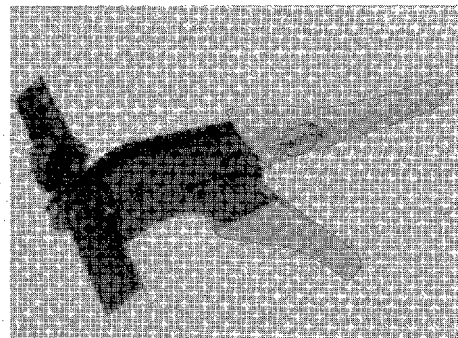


Application Tooling Header Cutting Tools For C-Grid SL™

Hand Cutting Tool

ORDERING INFORMATION

Description	Order No.	Header Series
Tool Assembly	69008-0350	8624, 42375, 42377, 70203, 70216, 70260, 70268, 70287, 70289, 70345, 70524
Replacement Blade—Upper	69008-0078	



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FEATURES

- Bench tool for 2.54mm (.100") pitch header cutting to length
- Incorporates a graduated slideway and stop for presetting of required header length; maximum length of header that can be cut is 40 position

ORDERING INFORMATION

Description	Order No.	Header Series
Tool Assembly	11-20-1230	8624, 42375, 42377, 70203, 70216, 70260, 70268, 70287, 70289, 70345, 70524
Replacement Blade—Upper	11-32-4306	
Replacement Blade—Lower	11-32-4307	

Bench Cutting Tool

