

**ORDERING INFORMATION**

*Preferred Version in the US*



**Application Tooling  
Crimp Tooling for C-Grid SL™  
Crimp Tooling Molex US**

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 <sup>2</sup> )	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 <sup>2</sup> )	Insulation Diameter
	Hand Crimper	Extraction Tool	Insertion Tool	Mini-Mac	Mini-Mac Spare Tooling	TM-144*		
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 <sup>2</sup> )	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

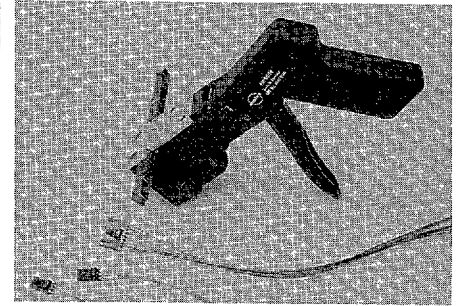
- Terminates C-Grid SL 70107, 70400 and 70475 product
- Full cycle ratchet
- Automatic indexing to next position after insertion of discrete wire
- Built-in release mechanism
- Does not break off carrier strip
- Does not insert terminals into connector
- Snaps onto standard pistol
- For low volume, prototype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

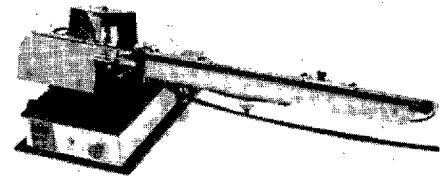
### Features

- 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

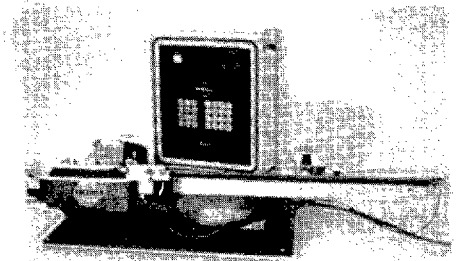
### Features

- 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

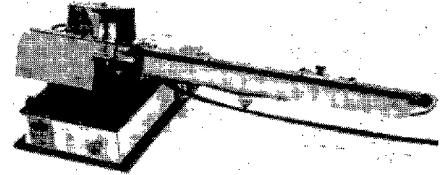
## Specifications

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

## FEATURES AND SPECIFICATIONS

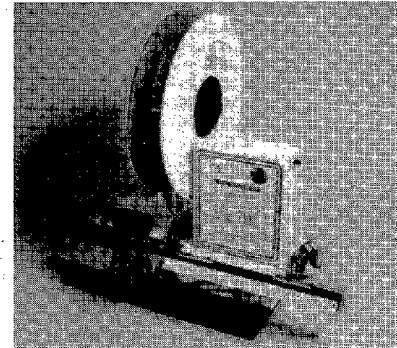
## Features

- 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

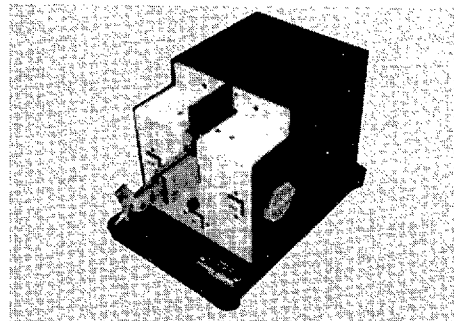
## Specifications

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

## FEATURES AND SPECIFICATIONS

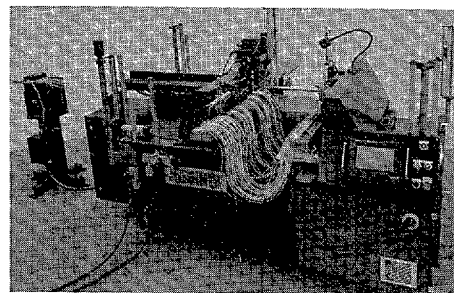
## Features

- 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

## FEATURES

- Manually operated
- Interchangeable nests included for various header types

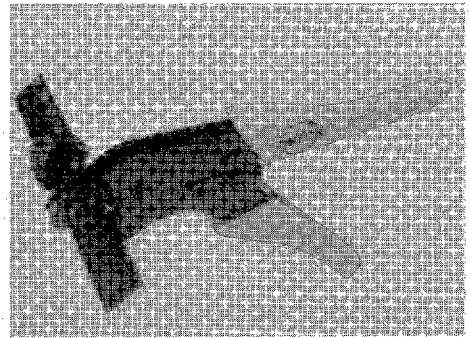


# Application Tooling Header Cutting Tools For C-Grid SL™

## 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	



## 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

