

**Tooling**

**Hand Assembly Tools**



- Hand Tool – ideal for maintenance, repair or prototyping.
- Low Volume

**Hand Tool MRT**

Part No.	Connector Spacing
MRT-100F	.100" (2.54mm)
MRT-156F	.156" (3.96 mm)



- Terminates discrete wire into end and through connectors.
- Operator friendly
- Robust construction
- Low Volume

**Manual Tool MMIT**

Part No.	Connector Spacing	Weight
MMIT-100F	.100" (2.54 mm)	.3 lbs. (0.15 kg)
MMIT-156F	.156" (3.96 mm)	.3 lbs. (0.15 kg)



- Lightweight – easy to use.
- Automatically indexes to next circuit position.
- Medium Volume

**Manual Tool MCT**

Part No.	Description	Weight
MCT*	Manual Hand Tool	.6 lbs. (0.28 kg)

\* For use with interchangeable nose sections – CTD.  
Order nose sections separately. (See page 18)

**Tooling**

**Hand Assembly Tools**



- Operates on 85 PSI air pressure.
- Includes filter regulator and hose.

**Pneumatic Tool PCT**

Part No.	Description	Weight
PCT*	Pneumatic Hand Tool	.7 lbs. (0.31 kg)
PCT BM*	Bench Mount with Foot Pedal	5.0 lbs. (2.25 kg)

\* For use with interchangeable nose sections – CTD.  
Order nose sections separately.



- For End connectors – type CE, CEH, CEP
- For single wire.
- For use with discrete wire.
- Use with MCT, PCT or PCTBM Tools.

**Interchangeable Nose Section CTD**

Part No.	Spacing	Tool
CTD-100F	.100" (2.54 mm)	MCT, PCT
CTD-156F	.156" (3.96 mm)	MCT, PCT

**Tooling**

**Termination Tools**



- for use with discrete wire
- controlled cycle head automatically indexes to next circuit position
- connectors can be loaded at any point in feed track
- operated by foot pedal

**Manual Tool**

Part No.	Description
ECT	Motor, track and foot pedal
ECT-100F	.100" (2.54 mm) termination nose and track insert
ECT-156F	.156" (3.96 mm) termination nose and track insert



- automatic track fed machine
- connectors are loaded onto the track and automatically fed into termination area
- for MAS-CON end connectors with 2.54 mm spacing
- quick termination of flat cable
- operated by foot pedal
- Operates on 85 PSI air

**Manual Tool**

Spacing	.100" (2.54 mm)
Part No.	CTM28F-100FA



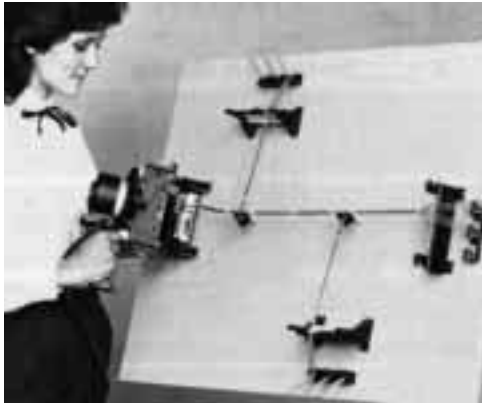
- for use with MAS-CON End connectors on reels
- connectors on reels are automatically fed into the termination apress
- supplied with foot pedal and hose assembly
- Operates on 85 PSI air

**Pneumatic Reel Fed Tool CTM**

Spacing	.100" (2.54 mm)	.156" (3.96 mm)
Part No.	CTM28F-100FR	CTM24F-156FR

**Tooling**

**On-Board Harness System for High Volume Requirements**



Connectors in 2.54 mm and 3.96 mm spacing. Lightest tool in the industry. Connectors are snapped into the fixtures, the harness is constructed by inserting wires into retention fingers of each circuit, apply the PPHT tool to each fixture and mass terminate in one operation. For use with discrete wire and flat cable applications.

**Pneumatic harness board hand tool for MAS-CON End and Through – PPHT**

Part No.	Spacing	Description	Color	Weight
PPHT-100F	.100" (2.54 mm)	Pneumatic Hand Tool	Red	2.9 lbs (1.3 kg)
PPHT-156F	.156" (3.96 mm)		White	2.9 lbs (1.3 kg)



Harness board fixtures hold connectors in place and provide locking posts for the PPHT tool during termination. The two piece fixture/base concept provides maximum utilization of your harness system investment.

- FE** – End Connector, cuts off wire flush
- FT** – Through Connector, no cut off
- FC** – Through Connector, selection cut off

**Harness Board Fixtures**

Description	for End connectors cut off		For Through connectors no cut off		For Through connectors select cut off	
	.100" (2.54 mm)	.156" (3.96 mm)	.100" (2.54 mm)	.156" (3.96 mm)	.100" (2.54 mm)	.156" (3.96 mm)
Fixture with base	<b>PPHT-100FE</b>	<b>PPHT-156FE</b>	<b>PPHT-100FT</b>	<b>PPHT-156FT</b>	<b>PPHT-100FC</b>	<b>PPHT-156FC</b>



Extra bases (two provided with each fixture). Boards can be prepared with these low cost bases in place and stored. Each board is then ready for instant installation of fixtures to meet current production requirements.

**Bases for Mounting Fixtures**

Part Number	Packaging Qty
<b>CP11029C01</b>	1 each