molex

TM-4000 Universal Crimp Press

The TM-4000™ Universal Crimp Press is the only industry-standard, bench-top press on the market that terminates large lug products up to 4 AWG, resulting in lower overall applied costs

The Molex TM-4000 Universal Crimp Press provides an effective method of applying a wide range of side- and rear-feed terminals to heavy-gauge wires. The TM-4000 press is an inexpensive, electrically controlled, direct-drive press designed for midvolume, semi-automatic bench-top operations.

The industry standard TM-4000 Universal Crimp Press will accept the most common industry-standard applicators in the market place. In addition, this crimp press accepts any Molex applicator, including air-feed applicators that process terminals mounted on Mylar* tape. This flexibility reduces tooling costs and provides production flexibility.

The Molex TM-4000 Universal Crimp Press can be used with the new Molex Tape Crimp Module (Order Number 64016-2000). This will allow crimping Molex tape-mounted terminals with the use of the current ATP-201 and ATP-301 crimping die sets. The Molex Tape Crimp Module has replaced the current Molex ATP-201 press (Order Number 19047-0001) and the Molex ATP-301 press (Order Number 19228-0030).

TM-4000 Crimp Press with a Molex air-feed applicator that processes producton Mylar* tape

FEATURES AND ADVANTAGES

Provides 3.5 metric ton-force (7000 lbf, 31 kN) of crimp force or tape-mounted terminals up to 4 AWG which lowers customer's overall applied costs

Accepts Molex FineAdjust™ and Mini-Mac™ applicators with side and rear feeds; accepts most industry-standard applicators which reduces tooling costs and provides production flexibility and increases customer quality results through the use of a consistent machine

Can be used with Molex Tape Module (64016-2000) allowing for use of current ATP-201 and ATP-301 die sets in an industrystandard press to minimize customers existing tooling investment

Shut-height adjustment cam is pre-set to industry standard 135.80mm (5.346") accepts industry-standard applicators and allows for adjustment to hit the crimp-height target

Meets OSHA safety and noise requirements and is CE approved which reduces risk of injury

TM-4000 has two safety interlock switches attached which prevent the press from cycling if guard is open or when the press is being hand cycled
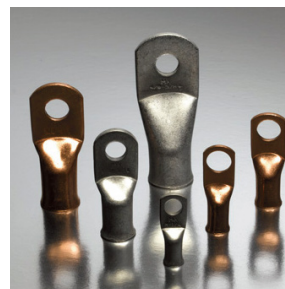
MARKETS AND APPLICATIONS

Automotive Market

Industrial Market

Commercial Market

Contract Manufacturers

Design/Engineering Facilities

Molex Large 4 AWG Lug Products (supplied on Mylar tape)

Mini-Fit Plus HCS™ Example of a Molex terminal suited for crimpingwith the TM-4000

TM-4000 Universal Crimp Press

SPECIFICATIONS

Reference Information

Use With: FineAdjust™ and Mini-Mac™ applicators plus the Molex Tape Crimp Module (64016-2000)

Electrical

240V AC/50/60Hz

Mechanical

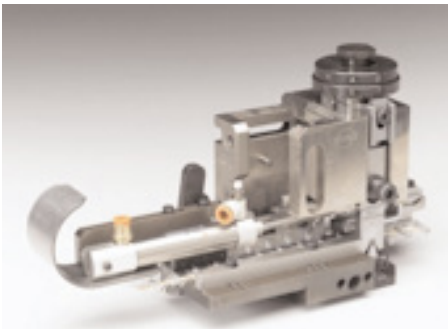Air Pressure: 75.80 PSI min. (5.2 BAR)
Air Flow: 3.2 SCFM min.
Production Rate: 2,400 terminations per hour max. (dependent upon operator skill, product selection and wire length)

UNIVERSAL PRESS QUICK REFERENCE

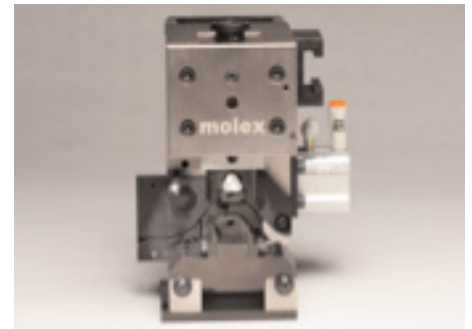| Order No.	Press	Voltage and Frequency	Wire Gauge	Metric ton-force
63801-7200	TM-3000™	120V AC; 50 or 60Hz	Up to 10 AWG	2
63801-7300	TM-3000™	240V AC; 50 or 60Hz	Up to 10 AWG	2
63801-7600	TM-4000™	240V AC; 50 or 60Hz	Up to 4 AWG	3.5

IMAGE EXAMPLES OF APPLICATORS USED WITH THE TM-4000

Air-Feed Applicator
Order Number: 63885-1000

Standard Applicator
Order Number: 63900-2600

Tape-Crimp Module
Order Number: 64016-2000

ORDERING INFORMATION

Order No.	Use with	Largest Product Range	Used in
63801-7600	240V AC 50 or 60Hz	4 through 30 AWG	TM-4000

www.molex.com/link/tm4000.html