



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Metral 4 And 5 Row Right Angle Receptacle Insertion Tooling

All standard Metral 4 and 5 row right angle receptacles (power and signal) can be installed with the same type tooling. (Not for High Speed. Please see information on High Speed connectors.)

The top tool is a modified “flat rock” press bar.

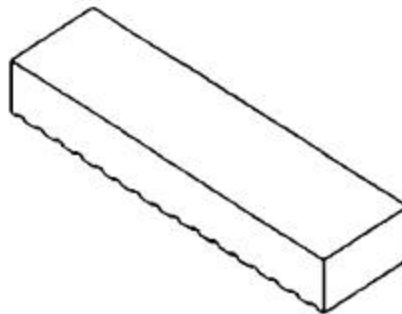
The bottom tool serves as a board support during insertion and is cleared out in the areas where the tails come through the PCB.

Top Tool Press Bar 162325-XXX

If all of the Metral modules that are to be inserted are stacked end to end you can use a standard press bar. If you have groups of Metral connectors and then a space other than an even increment of 12mm then you will need a custom top tool.

Standard Top Tools

162325-001	8 (12mm) modules
162325-002	12 (12mm) modules
162325-003	21 (12mm) modules

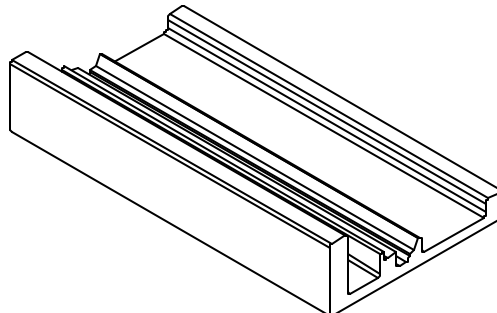


Board Supports (Bottom Tools) 162383-XXX

Some Metral users prefer to develop their own board supports or use a PCB with oversized holes. Either of these practices are acceptable but FCI also offers bottom tools for those customers who prefer factory tooling. The bottom tools can be cut to the length needed.

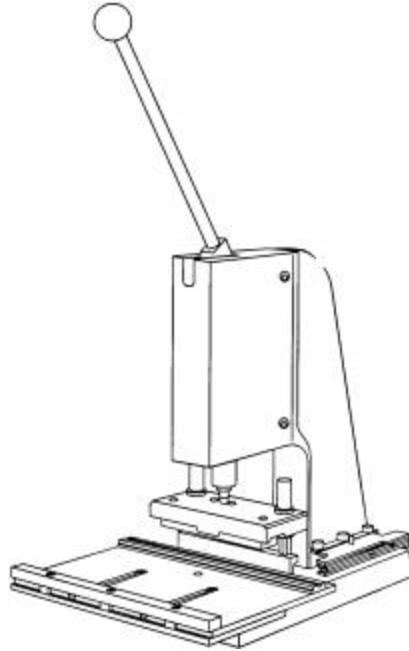
Standard bottom tools

		Length
162383-001	146.8mm	5.780 inches
162383-002	194.8mm	7.669 inches
162383-003	302.8mm	11.921 inches
162383-004	457.2mm	18.000 inches
162383-005	609.6mm	24.000 inches



MT-510 P/N 162452-001

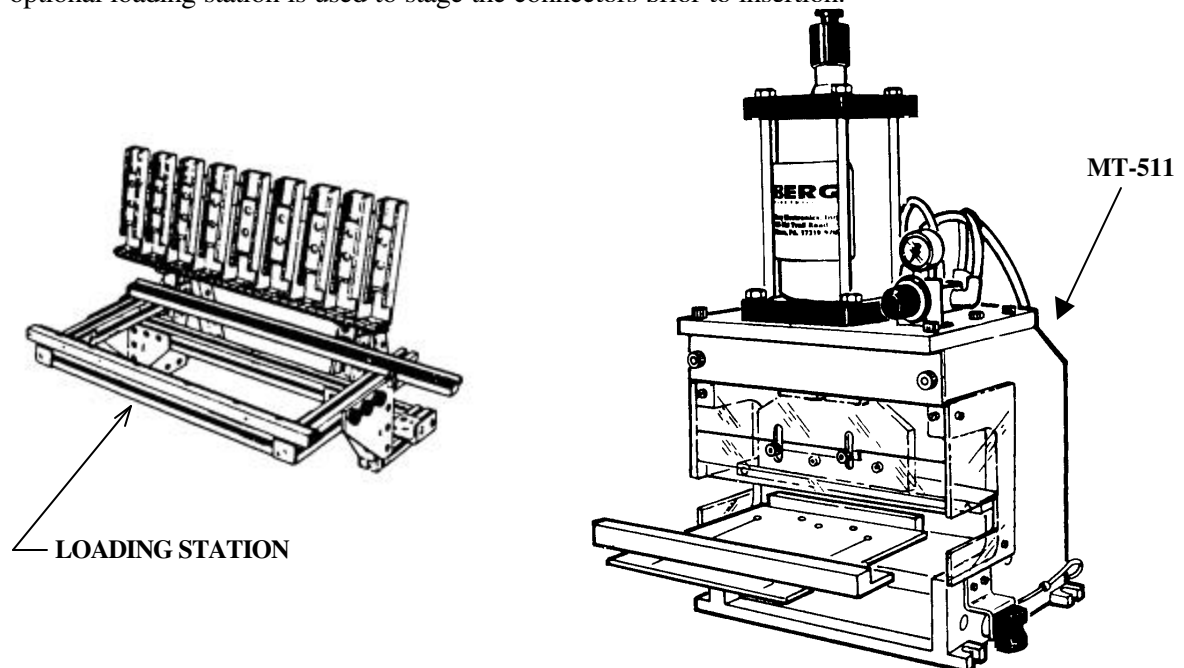
The MT-510 is a manually operated press that can insert up to 128 press fit pins in one stroke. It can also be used for solder tail parts that have press pegs. The MT-510 can be used for all standard Metral right angle receptacles and right angle headers.



MT-511 Insertion Press P/N 166380-001

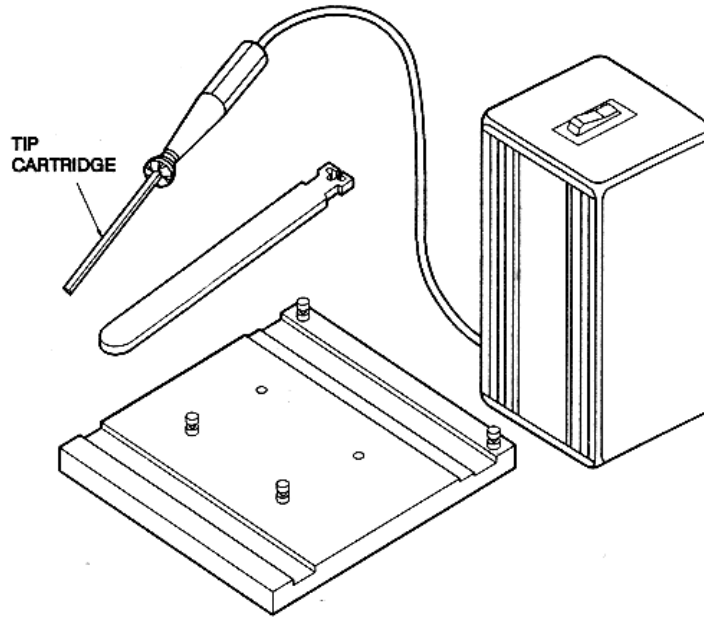
Loading Station P/N 166505-001

The MT-511 is a pneumatic machine that can terminate up to (21) 12mm modules per machine cycle. It can be used for all standard right angle receptacles and right angle headers. The optional loading station is used to stage the connectors prior to insertion.



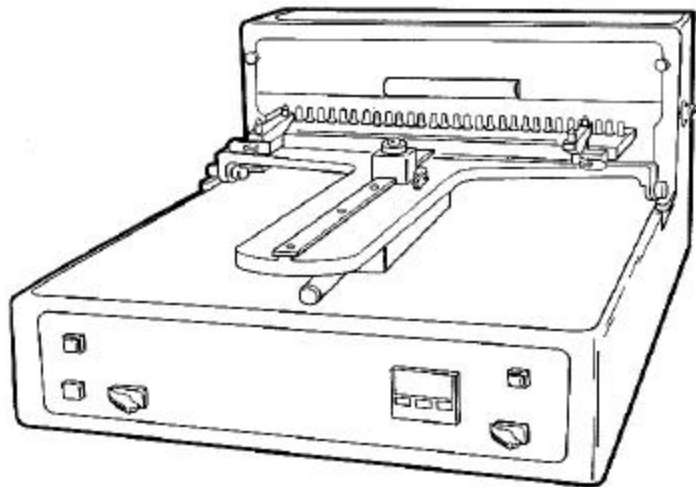
MT-120 Heat Stake Hand tool P/N 160508-001

The MT-120 is a hand held single heat stake tool.



MT-130 Multiple Heat Stake Bench Tool P/N 160509-001

The MT-130 terminates up to 32 heat stake pegs per cycle.



Final Review