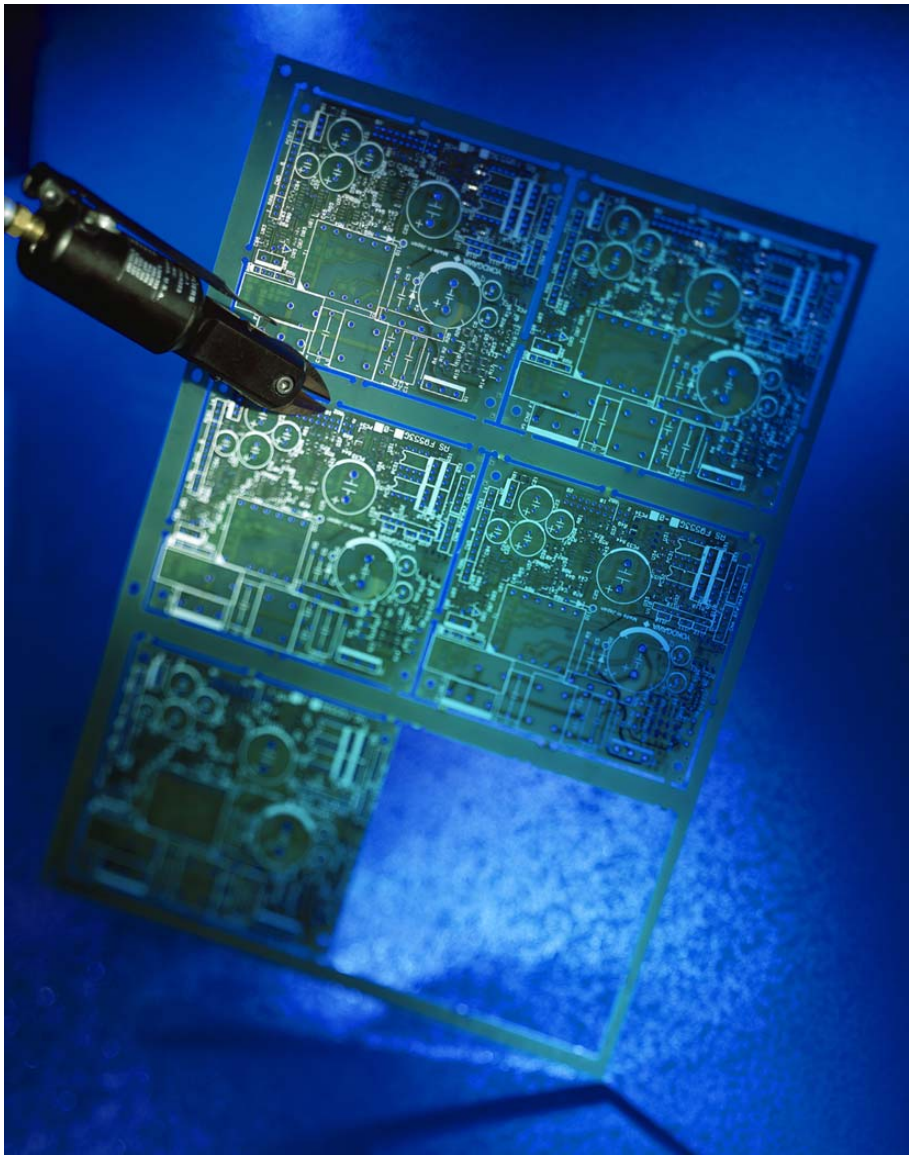




Electronics

Wire Cutting
Lead Forming
Wire Bending



www.simonds-inc.com
[view: www.youtube.com/simondsinc](http://www.youtube.com/simondsinc)



For over thirty years Simonds Inc. has been the acknowledged leader in ergonomic air-powered and hydraulic tools.

Manufacturing from a small town in Massachusetts, this family owned business has distributors all around the world, selling to end users in the injection molding, automotive and aircraft industries. Simonds tools are designed to meet the demanding specifications of the plastics industry and can be mounted either on robots or stationary work stations. Hand held tools are ergonomic in design, helping to reduce injuries due to repetitive motion, along with increasing shop production.

Simonds engineers design specialty cutting blades for work that requires different openings, tighter fits, special angles. All tools are designed with the end users safety, comfort and end product needs in mind.

MISSION STATEMENT

- > TO OWN THE PNEUMATIC/HYDRAULIC HAND TOOL BUSINESS, THROUGH THE USE OF ERGONOMIC DESIGNS AND ADVANCED ENGINEERING
- > TO PROVIDE SOLUTIONS TO THE CUTTING, CRIMPING AND DEGATING PROBLEMS OF THE INDUSTRIES.
- > TO PROVIDE THE FINEST PNEUMATIC HAND TOOLS AS MEASURED BY OUR CUSTOMERS, ASSOCIATES AND SUPPLIERS.

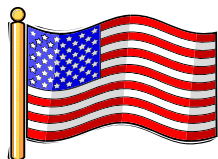
Call Simonds Inc. For A Distributor Near You

Toll Free—866-764-3235 Fax—866-678-5765

sales@simonds-inc.com

WARRANTY

Simonds power packs are warranted to be free from defects in materials and workmanship for a period of one year, barring alterations, abuse or misuse. All products returned for warranty repair must be sent to Simonds, Inc., Southbridge, MA at end users expense, where it will be repaired or replaced at the company's discretion



MADE WITH PRIDE IN THE U.S.A.

Squeeze-Eze™ Power Packs and Jaws

BEND-EZE™ Cut and Bend Tool

Air-powered cut and bend tool which cuts components on P.C. boards 1/16" above the surface and bends them over tight to the board.

The tool is small (5 1/2" long x 1 1/4" diameter) and lightweight (8oz.). Constructed of durable aluminum. Maximum inlet air pressure is 80 psi.

Seven interchangeable cut and bend heads are available for different diameter components with 20°, 30° or 45° working angles. Heads are made from hardened tool steel and are easily replaceable. There are also four heads available for shorter layover (1/32" max. layover) in 20°, 30° and 45° angles.

Special bend only models are also available. Consult factory for details. Cut and Bend Heads sold separate from power packs.

BP-1 With Optional 4HG20 Head



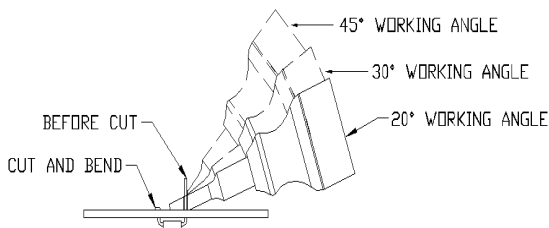
CUT AND BEND HEADS



| PRODUCT NUMBER | WIRE SIZE | WORK ANGLE |
|----------------|-------------|------------|
| 4H-20 | 0.010-0.028 | 20° |
| 4H-30 | 0.010-0.028 | 30° |
| 4H-45 | 0.010-0.028 | 45° |
| 4H4-20 | 0.020-0.038 | 20° |
| 4H4-30 | 0.020-0.038 | 30° |
| 4H4-45 | 0.020-0.038 | 45° |
| 4HG-20 | 0.030-0.050 | 20° |

SHORT LAYOVER CUT AND BEND HEADS

| PRODUCT NUMBER | WIRE SIZE | WORK ANGLE |
|----------------|-------------|------------|
| 4H4-20-SL | 0.010-0.038 | 20° |
| 4H4-30-SL | 0.010-0.038 | 30° |
| 4H4-45-SL | 0.010-0.038 | 45° |
| 4HG-20-AR | 0.030-0.050 | 20° |



SQUEEZE-EZE™ POWER PACKS



MSP-1 Miniature Squeeze-Eze™

This miniature power pack is for use with the cutting, crimping and bending jaws found below. The tool is small (5" long x 1 1/4" diameter) and can be operated at air pressures of 60-80 psi, producing 100 lbs. of end cutting force. A built-in adjusting screw controls the opening of the jaw sets. Jaw sets sold separate. See selection below.

MSP-1 with Optional Jaw

SMCC-1 \ SMCC-1SR



| | |
|------------------|-----------------|
| Max. Soft Wire | 0.03" (0.76 mm) |
| Rise | 0.03" (0.76 mm) |
| Angle | 35° |
| Length of Cut | 0.09" (2.2 mm) |
| Max. Tip Opening | 0.11" (2.7 mm) |

Cut and Crimp Style (SMCC and MVCC)

These jaws shear soft wire at a specified "rise" distance above the working surface and flatten the rise so it is mechanically secure before soldering. Jaws identified by the suffix "SR" do not include the crimp feature. Special order on "SR" can be furnished to cut and rise distances from 0.030 to 0.060 inch (0.076 to 1.522 mm).

SMCC-1SR and SMCC-2SR made as specials only

MVCC-1



| | |
|------------------|-----------------|
| Max. Soft Wire | 0.03" (0.76 mm) |
| Rise | 0.03" (0.76 mm) |
| Angle | 90° |
| Length of Cut | 0.09" (2.2 mm) |
| Max. Tip Opening | 0.13" (3.3 mm) |

SMCC-2 \ SMCC-2SR



| | |
|------------------|-----------------|
| Max. Soft Wire | 0.03" (0.76 mm) |
| Rise | 0.03" (0.76 mm) |
| Angle | 35° |
| Length of Cut | 0.25" (6.4 mm) |
| Max. Tip Opening | 0.12" (3 mm) |

Cut and Bend Type (MCB)

When a cut and bend is preferred to a cut and crimp operation, selection of the MCB jaw will prove satisfactory. These jaws are interchangeable in the MSP-1 tool. For shear only MCB-SR with standard or selected height is available.

MCB -SR



| | |
|-----------------|-----------------|
| Max. Wire | 0.03" (0.76 mm) |
| Cut Height | 0.04" (1.01 mm) |
| Variable Height | 0.03" to 0.12" |

Note: Made as special only

MCB-1 \ MCB-2



| | |
|-----------------|-----------------|
| Max. Wire MCB-1 | 0.02" (0.50 mm) |
| Cut Height | 0.04" (1.1 mm) |
| Layover | 0.05" (1.27 mm) |
| Max. Wire MCB-2 | 0.01" to 0.30" |
| Cut Height | 0.06" (1.5 mm) |

Dyke-Type (MCD)

All jaws are secured in the housing by a shouldered pivot screw with recessed hex head and can be reversed to facilitate right or left handed use. Jaw sets are removable for repeated re-sharpening. "CH" indicates case hardened jaw sets.

MCD-1CH \ MCD-11CH



| | |
|------------------|------------------|
| Max. Soft Wire | 0.03" (0.76 mm) |
| Semi-Flush Rise | 0.007" (0.1 mm) |
| Angle | 15° |
| Length of Cut | 0.43" (10.92 mm) |
| Max. Tip Opening | 0.15" (3.81 mm) |

MFS-1CH



| |
|---|
| Filament Shears |
| For cutting fine wire, nickel ribbon or soft wire of any metal up to 0.09" diameter (2.4 mm). Max. tip opening 0.16" (4 mm) |

MCD-2CH \ MCD-21CH



| | |
|------------------|-----------------|
| Max. Soft Wire | 0.30" (0.76 mm) |
| Semi-Flush Rise | 0.007" (0.1 mm) |
| Angle | 35° |
| Length of Cut | 0.31" (8 mm) |
| Max. Tip Opening | 0.15" (3.81 mm) |

MSJ-1



| |
|--|
| Blank Jaws (unhardened) |
| For use as holding pliers or can be machined and hardened to suit special requirements. Jaws are 0.25" thick (6.4 mm). Max. tip opening 0.16" (4 mm) |

SQUEEZE-EZE™ POWER PACKS



SP-01P with Optional Jaw

SP-01P Squeeze-Eze™ Power Pack

This is one of our most powerful tools in the electronics group (575 lbs. force @ 80 psi), designed to be used with jaw sets listed below. The tool is small (5 1/2" long x 1 1/2" diameter) lightweight (11 oz.) and can be operated at air pressures of 60 - 100 psi. A built in adjusting screw controls the opening of the jaw sets. All power packs sold less jaws, order separate.

A foot operated model is available (SP-01PF) which includes two (2) 5 foot air hoses and hex key for use with optional A-202-1 bench stand. An optional four way footswitch is available (Model 107)

SP-02P Squeeze-Eze™ Power Pack

SP-02P is designed to use the identical jaw sets as the SP-01P, but delivers considerably more power for tougher applications. Made of durable aluminum, the tool is small (5 1/2" long x 1 3/4" diameter), Lightweight (13 oz.) and can be operated at air pressures of 60-100 psi. SP-02P (850 lbs. of cutting force) can cut up to 0.10" soft steel wire.

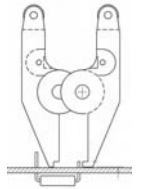
A foot operated model, as shown, (SP-02PF) includes two (2) 5 foot air hoses and hex key for use with our optional work station or A-202-2 bench stand. An optional four way footswitch is available (Model #107).

SP-02PF with Optional Jaw



Cut and Crimp Style Jaws

These jaws shear soft wire at a specified "rise" distance above the working surface and flatten the rise so it is mechanically secure before soldering. Jaws identified by the suffix "SR" do not include the crimp feature. Special order on "SR" can be furnished to cut and rise distances from 0.03" to 0.06" (0.76 to 1.5 mm).



Note: MCC-1SR AND MCC-2SR made as specials only.

CC-1



| | |
|-------------------------|-----------------|
| Max. Soft Wire | 0.05" (1.27 mm) |
| Rise | 0.04" (1.1 mm) |
| Angle | 45° |
| Length of Cut | 0.37" (9.39 mm) |
| Max. Tip Opening | 0.15" (3.81 mm) |

MCC-1 \ MCC-1SR



| | |
|-------------------------|-----------------|
| Max. Soft Wire | 0.03" (0.76 mm) |
| Rise | 0.03" (0.76 mm) |
| Angle | 45° |
| Length of Cut | 0.12" (3.04 mm) |
| Max. Tip Opening | 0.20" (5.08 mm) |

MCC-2 \ MCC-2SR



| | |
|-------------------------|-----------------|
| Max. Soft Wire | 0.03" (0.76 mm) |
| Rise | 0.03" (0.76 mm) |
| Angle | 90° |
| Length of Cut | 0.12" (3.04 mm) |
| Max. Tip Opening | 0.25" (6.35 mm) |

SJ-1A



For use as a holding pliers or can be machined to suit special requirements for cutting, crimping or holding. Jaws are 0.30" (7.62 mm) thick. Max. tip opening 0.39" (9.90 mm)

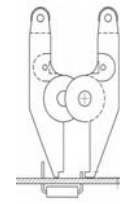
HCC-1



| | |
|-------------------------|-----------------|
| Max. Soft Wire | 0.06" (1.52 mm) |
| Rise | 0.04" (1.02 mm) |
| Angle | 45° |
| Length of Cut | 0.19" (4.8 mm) |
| Max. Tip Opening | 0.10" (2 mm) |

Most Simonds jaws are available with carbide inserts. Please consult factory for pricing and availability.

SQUEEZE-EZE™ JAWS (cont.) For use with SP-01P or SP-02P Power Packs



Rendering of cut and crimp style jaws.

0.04 Rise Wire After Cut

Dyke Type Jaws

These jaws are for cutting wires flush or semi-flush. All jaws are secured in the housing by a shouldered pivot-screw with recessed hex head and can be reversed to facilitate right or left handed use. "CH" indicates case hardened jaw sets. As with all Simonds jaw sets, they may be factory re-sharpened for extended life and lower

CD-1CH \ CD-11CH



| | |
|------------------------------|-----------------|
| Max. Soft Wire | 0.06" (1.5 mm) |
| Semi-Flush Cut-CD-1CH | .007" (0.18 mm) |
| Flush Cut-CD-11 | .007" (0.18 mm) |
| Angle | 45° |
| Length of Cut | 0.43" (11 mm) |
| Max. Tip Opening | 0.20" (5 mm) |

CD-3CH \ CD-31CH



| | |
|------------------------------|-----------------|
| Max. Wire | 0.05" (1.2 mm) |
| Semi-Flush Cut-CD-3CH | .007" (0.18 mm) |
| Flush Cut-CD-31CH | .007" (0.18 mm) |
| Angle | 15° |
| Length of Cut | 0.83" (21 mm) |
| Max. Tip Opening | 0.30" (7.63 mm) |

CD-4CH



| | |
|-------------------------|-----------------|
| Max. Soft Wire | 0.08" (2 mm) |
| Semi-Flush Cut | Center Cut |
| Angle | N/A |
| Length of Cut | 0.50" (12.7 mm) |
| Max. Tip Opening | 0.19" (4.8 mm) |

CD-6



| | |
|-------------------------|----------------------|
| Plastic Only | 0.187" (4.75 mm) |
| Full Flush Cut | Tapered Outside Edge |
| Angle | 15° |
| Length of Cut | 0.875" (22.22 mm) |
| Max. Tip Opening | 0.484" (12.25 mm) |

CD-7



| | |
|-------------------------|------------------|
| Max. Soft Wire | 0.05" (1.2 MM) |
| Semi-Flush Cut | 0.007" (0.18 mm) |
| Angle | 15° |
| Length of Cut | 0.83" (21 mm) |
| Max. Tip Opening | 0.30" (7.63 mm) |

HMCC-1



| | |
|-------------------------|-----------------|
| Soft Copper Wire | .031" (0.78 mm) |
| Rise | .041" (1.04 mm) |
| Angle | 45° |
| Length of Cut | 0.13" (3.3 mm) |
| Max. Tip Opening | 0.20" (5 mm) |

FS-1CH/FS-1-Carbide



Filament shears for cutting fine wire, nickel ribbon or soft wire of any metal up to 0.13" diameter (3.3 mm). Jaws are 0.75" (19 mm) long. Maximum tip opening 0.21" (5.3 mm)

PC-311F



| | |
|-------------------------|------------------|
| PC Tab Cutter | 0.05" (1.27 mm) |
| Flush Cut | |
| Angle | 25° |
| Length of Cut | 0.45" (11.45 mm) |
| Max. Tip Opening | 0.26" (6.60 mm) |

CRIMPING TOOLS

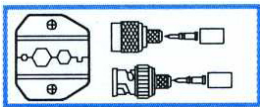
UC-90 Universal Crimp Tool Outfit

Our universal crimp tool is a complete system, including SP-004F power pack, universal crimp jaw with housing, (dies sold separate), bench stand and footswitch. Fourteen optional, interchangeable crimping die sets (shown below) are available for processing connectors in applications such as COAX, Stranded Wire, Hex-style and Open/Closed Barrel. The UC-90 can accommodate optional power packs up to our SP-008F for added crimping pressures. The optional locator shelf (UC-L) is available to assist in uniform crimping.



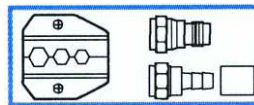
UC-L

UC-L
Optional **Locator Shelf** to assist in uniform crimping and safety.



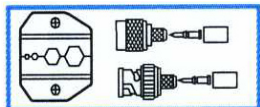
UC-50-1

UC-50-1
RG-58, RG-59/62, BNC/TNC Coax Connectors,
(Hex, 0.255 [6.48 mm], 0.213 [5.41 mm],
0.068 [1.73 mm])



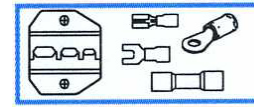
UC-50-7

UC-50-7
F-Type CATV RG-59, RG-6 Connectors, (Hex
0.350 [8.89 mm], 0.320 [8.13], 0.255 [6.48
mm])



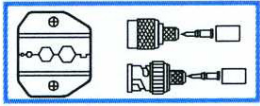
UC-50-2

UC-50-2
RG-59, RG-6 and 8281 50 and 75 OHM cables
(Hex 0.324 [8.23 mm], 0.255 [6.48 mm], 0.068
[1.73 mm] 0.042 [1.07 mm])



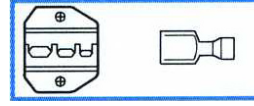
UC-50-8

UC-50-8
22-10 AWG (0.324 mm²–5.261 mm²) insulated
terminals/color coded nests



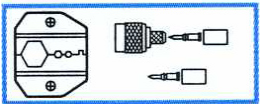
UC-50-3

UC-50-3
RG-58, RG-174 and RG-8218 for both 50 and
75 OHM cables (Hex 0.213 [5.41 mm], 0.178
[4.52 mm], 0.068 [1.73 mm], 0.042 [1.07 mm])



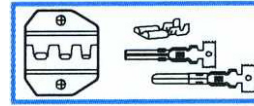
UC-50-9

UC-50-9
Fully insulated quick disconnect terminals with
thinner wire barrels 22-10 AWG (0.324 mm²–
5.261 mm²)



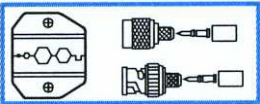
UC-50-4

UC-50-4
N-Series and RG-8/11 Connectors. (Hex 0.429
[10.90 mm], 0.100 [2.54 mm], 0.80 [2.03 mm])



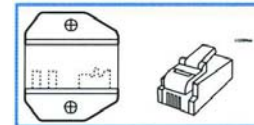
UC-50-10

UC-50-10
22-12 AWG (0.324 mm²–3.3 mm²) Non
Insulated Open Barrel Connectors, Commercial
Type



UC-50-5

UC-50-5
Plenum and Non-Plenum Thin wire Cables,
RG-58 and 59 (Hex 0.213 [5.41 mm], 0.190
[4.83 mm], 0.068 [1.73 mm], 0.042 [1.07 mm])



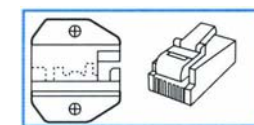
UC-50-12

UC-50-12
Universal RJ-11 Die for two, four and six
position modular plugs



UC-50-6

UC-50-6
22-8 AWG (.3mm²–8 mm²) Non-Insulated
Terminals



UC-50-13

UC-50-13
RJ-45 Die for eight-position die set for keyed or
non-keyed modular plugs (excluding AMP)

CRIMPING TOOLS



**CM-3
Jaw and Housing**

Crimp-Master™

The CM-3 Crimp-Master™ (Shown with optional CM3-2 insert) secures solder less terminals to solid or stranded, bare or insulated wire, to meet most requirements of several MIL specifications. It fits on to our SP-002 to SP-005 Power Packs (based on power required for crimp), and features a durable aluminum housing with hardened tool steel jaws. Most crimping performed with “F” style power packs (consult your distributor). Optional inserts can handle from #22 to #8 AWG wire.

| Power Pack | SP-002 | SP-003 | SP-004 | SP-005 |
|------------|--------|--------|--------|--------|
| Force—lbs. | 1800 | 2000 | 2400 | 3500 |
| Force—kgs | 815 | 910 | 1090 | 1590 |

Inlet air pressure of 80 psi will develop approximately the crimping forces shown using the corresponding power pack.



**SP-004
Power Pack (Ordered separate)**

CMX-99 Insert



Crimping Specifications

| | |
|--------------------|----------|
| Wire Gauge | 14 to 22 |
| Terminal Bare Wire | YES |
| Insulated Wire | |

CM3-2 Insert



Crimping Specifications

| | |
|--------------------|-----------------------|
| Wire Gauge | 12 to 16 |
| Terminal Bare Wire | N/A |
| Insulated Wire | Red & Blue Identifier |

CM3-3 Insert



Crimping Specifications

| | |
|--------------------|-------------------|
| Wire Gauge | 8 to 16 |
| Terminal Bare Wire | N/A |
| Insulated Wire | Yellow Identifier |

CM3-4 Insert



Crimping Specifications

| | |
|--------------------|----------|
| Wire Gauge | Wire Cap |
| Terminal Bare Wire | N/A |
| Insulated Wire | 14 to 22 |



Simonds Inc. has made guards for some of our tools as specials. Above is a SG-3 made for the B-38/B-32 jaws. There is also available SG-1 and SG-2 retractable guards. **Consult with factory for your guard needs.**

COAX CABLE STRIPPING TOOL—PTX-819

For 0.54” diameter cable, 1 7/16” strip

This is just one of the tools that we make special for a specific company or problem. This tool is designed to remove the copper sheathing that is under the plastic coating and over the coax insulation. The tool slides the scored copper off with ease, reducing operator fatigue. This can be viewed on [youtube.com/simondsinc](https://www.youtube.com/simondsinc)



All Simonds jaws can be factory re-sharpened for longer life and reduced production costs. Special jaws may be manufactured for special operations. Consult your local distributor.

COMPONENT LEAD PROCESSORS



CLP-274 Component Lead Processor

The Model 274 is a semi-automatic lead processing tool. The CLP-274 features optional interchangeable dies (shown below) and can process up to 1200 pieces an hour. The tool operates at 40-60 psi using the included foot switch. Component lead processor dies are available in two styles: Trimming and Forming. The forming dies feature our lock-in capability, allowing the component to be spaced-off the P.C. board and locked-in, eliminating the need for swaging or trace-pads. Trimming dies simply cut off to various lengths.

Power pack is made of aluminum. Unit is 3" high x 5 3/4" long x 3 1/2" wide and weighs 1 pound. Die sets are oil-hardened tool steel 1" wide x 2" long.

| Blank Die Set | | | | |
|--------------------------------|---|--|--|-------------------------|
| CLP-000 | Unhardened Blank Die Set / 1 each 1/32", 1/16", 3/32" | | Total Die Thickness .257" | |
| Lead Processor Transistor Dies | | | | |
| CLP-020 | Universal Transistor Trimming | | .100 (2.54) Bolt Circle .200 (5.08) Bolt Circle .300 (7.62) Bolt Circle | .200" .035" |
| CLP-021 | Trim, Stand-Off and Lock-In Die T0 5 (2.36) 3/32" above board (1.57) 1/16" board (1.98) 5/64" below board | | .200 (5.08) Bolt Circle | .235" .040" |
| CLP-022 | T0 3 to T0 5 Spread, Trim and Lock-In Die (3.96) 3/32" above board (1.57) 1/16" board (1.98) 5/64" below board | | .200 (5.08) Bolt Circle | .325" .040" |
| CLP-024 | T0 3 to T0 5 Spread and Trim Die Length increments of 1/32" (.81) (9.52) 3/8" max. length | | .100 (2.54) Bolt Circle .200 (5.08) Bolt Circle | .225" .040" |
| Lead Processor Transistor Dies | | | | |
| CLP-040 | Universal Capacitor Trimming Die with hole spacing in increments of .050 (1.27) from .100 (2.54) to .900 (22.86) | | Any center less than 1.00 (25.4) and any length in increments of 1/32" to 3/8" | .200" .035" |
| CLP-041 | Capacitor Trim and Lock-In Die Also for resistor cut and lock-in | | .025 (.66) lead diameters: 1/4"-3/8"-1/2"-5/8"-3/4" (6.35-9.52-12.7-15.87-19.05) Centers | .235" .043" |
| CLP-042 | Trimming of Any In-Line Leads — power transistors, S.C.R.'s and TRIAC's | | Any center less than .900 (22.86) | .225" Slot Width .060" |
| Lead Processor I.C. Dies | | | | |
| CLP-060 | 8 Lead I.C. Square Trimming Die | | .200 (5.08) Square | .225" Hole Dia .035" |
| CLP-061 | 8 Lead I.C. Round Trimming Die Height in 1/32" (.81) increments; Max. 3/8" (9.52) | | .200 (5.08) Bolt Circle | .200" .035" |
| CLP-062 | 16 Lead Dual In-Line Trimming Die* *For Uncut Opposite Corner Leads, Specify Special Blade | | .100 (2.54) Centers | .093" .035" |
| CLP-064 | 8 Lead I.C. Spreading Die Height in 1/32" (.81) increments; Max. 3/8" (9.52) Changes bolt circle from .200 to .300 | | .300 (7.62) Bolt Circle | .225" .035" |
| CLP-065 | 10 Lead I.C. Trimming Die | | .300 (7.62) Bolt Circle | .225" .035" |

COMPONENT LEAD PROCESSOR

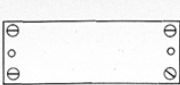
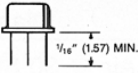
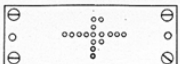
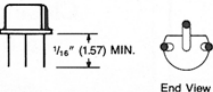

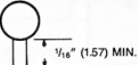
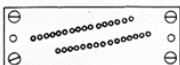
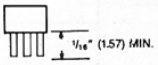
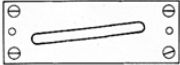
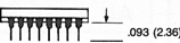
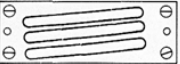
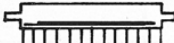
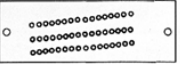

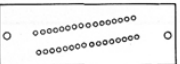


CLP-2000 Component Lead Processor

The CLP-2000 is a larger, more powerful version of our CLP-274. Featuring our SP-002 power pack, which delivers 176 lbs. of thrust, the CLP-2000 has a full 1 1/2" stroke. Designed for semi-automatic parts processing, the unit can trim up to 1000 pieces per hour. Recommended air pressure is 60-80 psi. The unit is operated off of a foot switch, which is supplied.

The CLP-2000 features interchangeable steel die sets (sold separately). Dies are oil hardened tool steel 1 3/4" wide x 5 1/4" long. Standard trimming dies are shown below. Special made die sets and larger units (up to 7" width) are available upon request. Contact Simonds engineering department for quote.

Unit dimensions are 3" high x 8" long x 5 1/4" wide and weighs 4 1/2 lbs.

| Blank Die Set | | | |
|--------------------------------|---|--|---|
| CLP-2001 | Unhardened Blank Die Set / 1 each 1/16", 3/32", 1/8" | | Total Die Thickness .280"  |
| Lead Processor Transistor Dies | | | |
| CLP-2002 | Universal Transistor Trimming  | .100 (2.54) Bolt Circle .200 (5.08) Bolt Circle .300 (7.62) Bolt Circle .400 (10.00) Bolt Circle | .093"  Hole Dia. .046" |
| CLP-2003 | Spread and Trim Die Length increments of 1/16" (1.57) to a maximum of 3/8" (9.52) length.  | .100 (2.54) Bolt Circle .200 (5.08) Bolt Circle .300 (7.62) Bolt Circle | .250"  Hole Dia. .046" |
| Lead Processor Capacitor Dies | | | |
| CLP-2004 | Universal Capacitor Trimming Die with hole spacing in increments of .050 (1.27) from .100 (2.54) to 4.00 (100.00)  | Hole diamter .0035" Any center less than 4.00" (100.00) and any lead diameter less than .045" (1.13) | .093"  Hole Dia. .046" |
| CLP-2005 | Trimming of any in-line lead: diodes, TRIAC's, S.C.R.'s, etc.  | Any center less than 4.00" (100.00) slot width .062" (1.55) | .186"  Slot Width .062" |
| Lead Processor I.C. Dies | | | |
| CLP-2006 | Dual In-Line Trimming Die  | .100 (2.54) Centers .300 (7.62) Centers .600 (15.00) Centers 4.00" Slot Length | .186"  Slot Width .062" |
| Lead Processor Connector Dies | | | |
| CLP-2007 | Universal Trimming of any Connector up to 4.00" (100.00)  | .100 (2.54) Centers .200 (5.08) Centers .300 (7.62) Centers .050 Pin Spacing | .093"  Hole Dia. .046" |
| CLP-2008 | Specialty Connector Trimming Die for any Odd Style Connector  | As requested up to 4.00" (100.00) length | .093"  Any Spec |

ERGONOMIC WORK STATIONS AND HOLDERS

Simonds line of ergonomic support systems is for use with any power pack or jaw set combination. Helping to relieve the strain and fatigue of hefting a power pack all day, these systems will help improve productivity while eliminating injuries through ergonomic design. The optional tool balancer and tool harness is made for holding the power pack and jaw set in a horizontal position



Optional tool balancer and harness shown in picture sold separate

WS-2000 ERGONOMIC WORK STATION

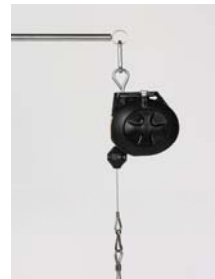
The WS-2000 Ergonomic work station is a sturdy support system for use with any of the power packs in our product line. This heavy duty work station features a 36" horizontal, 180° boom, attached to a 48" vertical column with a base that mounts easily to bench tops. The boom can be adjusted vertically higher or lower on the column to suit your specific application.

Also included with the WS-2000 is a balancer trolley. This heavy-duty trolley is of ball bearing construction and can support up to 30 pounds, allowing more free space in the work place. The **Optional** tool balancers and tool harness (shown in picture) will support all weights of Simonds tools.

The **WS-2000 and A-202 Series** of work stations and bench stands are designed to be mounted on tables or work stations by either bolting through holes provided or by using Simonds part number BC-1 bench clamp.

The A-202 series of bench stands allows the tool to be rotated easily to position the tool for optimum cutting. The bench stand is further designed to be easily integrated onto robotic arms or moving work stations.

TOOL BALANCER AND TOOL HARNESS



Tool Balancer

| TB-1 | TB-2 | TB-3 |
|--------|--------|---------|
| 1 lbs. | 5 lbs. | 11 lbs. |

Supports to weight shown

Tool Harness

| TH-1 | TH-2 |
|---------------------|---------------------|
| Use w/SP-01P-SP-02P | Use w/SP-002—SP-008 |

Simonds Inc. manufactures all tools to exacting standards. All tools are engineered to help reduce repetitive motion disorders, relieve operator fatigue and increase production on the line. High quality of materials used in the manufacture of Simonds Inc. tools reduces down time and lowers maintenance costs.

A-202 SERIES BENCH STAND

| ITEM NUMBER | USE WITH POWER PACK # |
|-------------|-----------------------|
| A-202-1 | SP-01F and SP-001F |
| A-202-2 | SP-02F and SP-002F |
| A-202-3 | SP-003F |
| A-202-4 | SP-004F-SP-005F |
| A-202-6 | SP-006F |
| A-202-8 | SP-008F |



ACCESSORIES



103

FOOT SWITCHES

For use with all power packs with "F" suffix.
(i.e. SP-002F)



107



AIR HOSES

5,7,10,15 Foot w\two 1/8" npt fittings

5,7,10,15 Foot w\one 1/8" npt and one 1/4" npt fitting

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