

PISTORIUS

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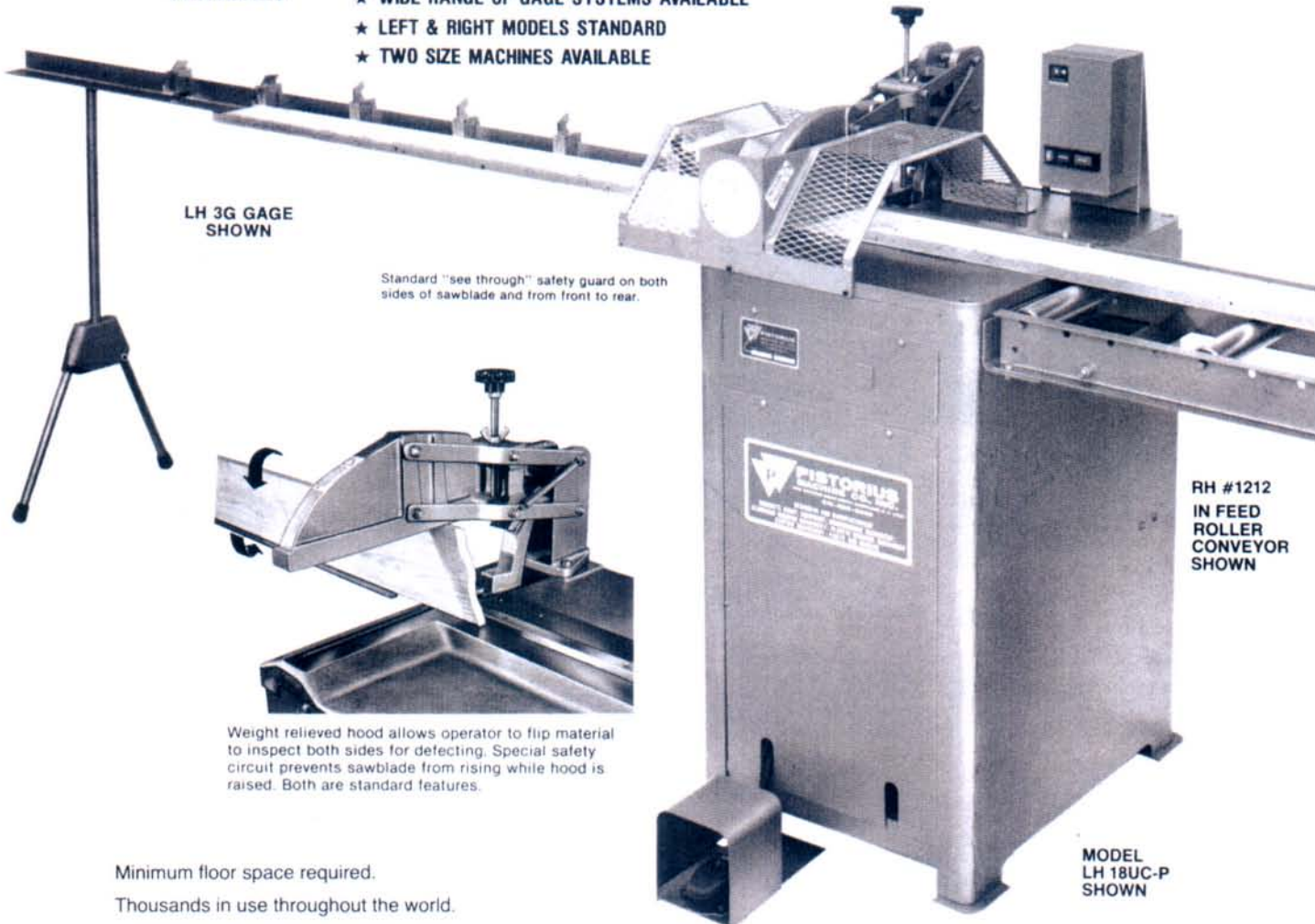


MODEL UC UNDER CUT-OFF SAW

You can't beat Pistorius Under-Cutoff Saws for over-all quality and all-around value!
Built to last . . . these saws are tough! And they're fast, (up to 120 cycles per minute).

CHECK THESE IMPORTANT PISTORIUS FEATURES

- ★ HIGH SPEED PNEUMATIC & HYDROPNEUMATIC MODELS
- ★ PROTECTIVE SEE-THROUGH GUARD ON BOTH SIDES OF SAW
- ★ SIMPLE COMPRESSED AIR OPERATION
- ★ WIDE RANGE OF GAGE SYSTEMS AVAILABLE
- ★ LEFT & RIGHT MODELS STANDARD
- ★ TWO SIZE MACHINES AVAILABLE
- ★ FLOATING BLADE GUARD
- ★ AUTOMATIC FULL LENGTH CLAMPING
- ★ INTERLOCKING SAFETY DEVICE



LH 3G GAGE
SHOWN

Standard "see through" safety guard on both sides of sawblade and from front to rear.

Weight relieved hood allows operator to flip material to inspect both sides for defecting. Special safety circuit prevents sawblade from rising while hood is raised. Both are standard features.

RH #1212
IN FEED
ROLLER
CONVEYOR
SHOWN

MODEL
LH 18UC-P
SHOWN

Minimum floor space required.

Thousands in use throughout the world.

Pistorius Models 16UC and 18UC are designed to fill basic cross cutting requirements for rough sizing and defecting applications. Ideal for large or small plants, the machine is designed with simplicity in mind, for a minimum investment and minimum maintenance.

Ideal for use in many applications such as furniture, louver doors, cabinets, pallets, clocks, finger joint systems, novelties, wood product manufacturers, millwork manufacturers, sash & door plants, dimension plants, etc. . . .

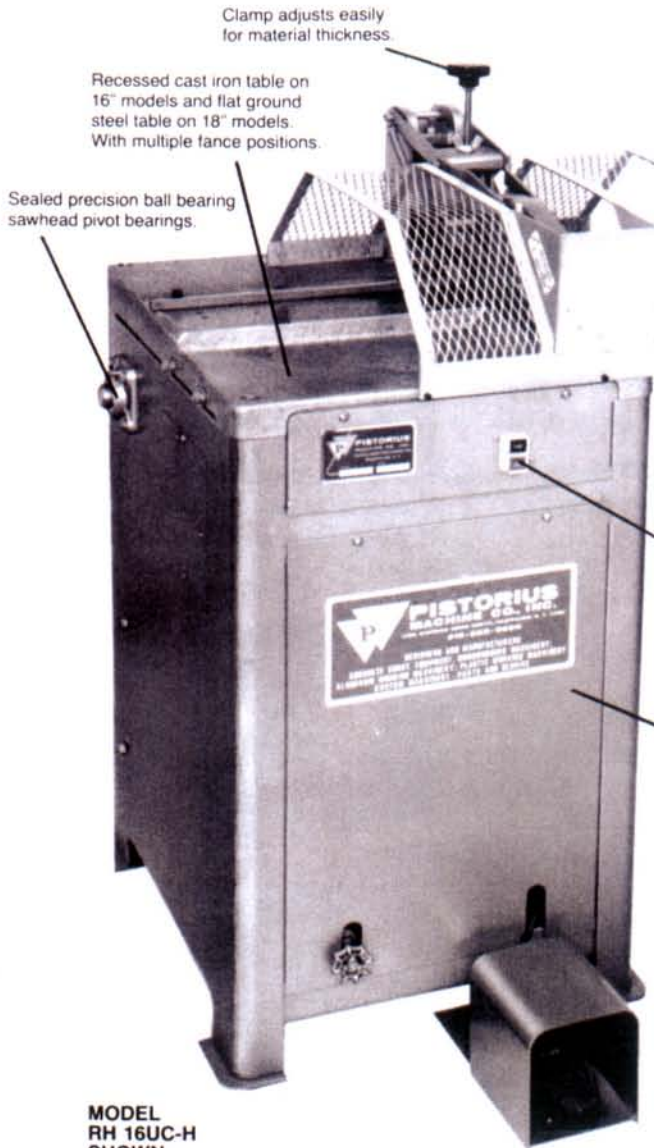
For square or rectangular materials. Material may be stacked up to capacity of machine, either wide or high.

For cutting plastic and aluminum shapes, it may be necessary to provide additional support fixturing. A wide range of optional accessories are available to job match machine to specific applications.

Fully variable speed control on saw cut. No clutches, brakes, flywheels, etc.

STANDARD FEATURES OF HYDROPNEUMATIC MODELS

SMOOTH ACTING HYDROPNEUMATIC MODELS HAVE BEEN DESIGNED TO OFFER A HIGH DEGREE OF BLADE CONTROL FOR HIGH QUALITY CUTTING PERFORMANCE



MODEL RH 16UC-H SHOWN

Clamp adjusts easily for material thickness.

Recessed cast iron table on 16" models and flat ground steel table on 18" models. With multiple fence positions.

Sealed precision ball bearing sawhead pivot bearings.

Perforated metal safety guard shown is provided as standard equipment. Special mounting screws used to help prevent operator removal.

Built in interlocking safety device, designed to help prevent operator injuries. Blade cannot expose itself to the operator if blade guard is lifted to its maximum height.

Full width floating blade guard is weight relieved for inspection of both sides of material in defect cutting. (See insert front cover)

HYDROPNEUMATIC MODELS 16UC-H & 18UC-H

Combined oil tight push-button starter controls located in convenient position.

Easy access to all working parts through front, rear and side openings. Quick and simple blade change..

Heavy duty 1 1/4" pillow block ball bearings with 8" spread between bearings. "Pop out" type bearing inserts preserves alignment when replacing bearings. Grease fittings provided.

Heavy duty, precision spindle assembly, 1 1/4" shaft with 1" arbor and 4" diameter flanges.

Dampening bumpers help overcome machine vibration and ensure smooth cycling.

Sawdust exhaust duct, 4" OD on all models provided as standard.

Hydraulic drive cylinder and downstroke cushioning cylinder.

Heavy duty 1/4" thick steel cabinet.

Double ultra vee belt drive on 16" models and triple drive on 18" models. Motor slots provided for belt tensioning.

Heavy duty, constant torque, totally enclosed, fan cooled saw motor. Optional 7 1/2, 10 horsepower and special electric motors also available.

Combined incoming air line pressure regulator with gage and filter supplied as standard.

Nema size 1 magnetic starter mounted in Nema 12 dust tight enclosure with strain relief dust tight fittings.

Fast, smooth, controlled air hydraulic feed. Ideally suited for cutting plastic laminated materials.

Speed changes made quickly and easily via gate valve located on the front of the machine. Infinitely adjustable from 0 to 120 cycles per minute.

Simple, electro-pneumatic control circuit operated via footswitch. When machine is turned off, no part of machine will respond to operation of the footswitch. Footswitch may be moved to suit operator.

STANDARD FEATURES OF STRAIGHT PNEUMATIC MODELS

ECONOMICAL PNEUMATIC MODELS ARE SPECIFICALLY ENGINEERED TO PROVIDE RELIABILITY AND HIGH PERFORMANCE THROUGH A COMBINATION OF DESIGN SIMPLICITY AND VERSATILITY IN OPTIONAL ACCESSORIES.

Nema 1 magnetic starter mounted in Nema 1 enclosure with pushbutton on/off controls.

Clamp adjusts easily for material thickness.

Perforated metal safety guard shown is provided as standard equipment. Special mounting screws used to help prevent operator removal.

Sealed precision ball bearing sawhead pivot bearings.

Built in interlocking safety device, designed to help prevent operator injuries. Blade cannot expose itself to the operator if blade guard is lifted to its maximum height.

Recessed cast iron table on 16" models and flat ground steel table on 18" models.

Full width floating blade guard is weight relieved for inspection of both sides of material in defect cutting. (See insert front cover)

STRAIGHT PNEUMATIC MODELS 16UC-P & 18UC-P

Easy access to all working parts through front, rear and side openings. Quick and simple blade change.

Heavy duty 1 1/4" pillow block ball bearings with 8" spread between bearings. "Pop out" type bearing inserts preserves alignment when replacing bearings. Grease fittings provided.

Dampening bumpers help overcome machine vibrations and ensure smooth cycling.

**MODEL
LH 18UC-P
SHOWN**

Heavy duty, precision spindle assembly, 1 1/4" shaft with 1" arbor and 4" diameter flanges.

Double ultra vee belt drive on 16" models and triple drive on 18" models. Motor slots provided for belt tensioning.

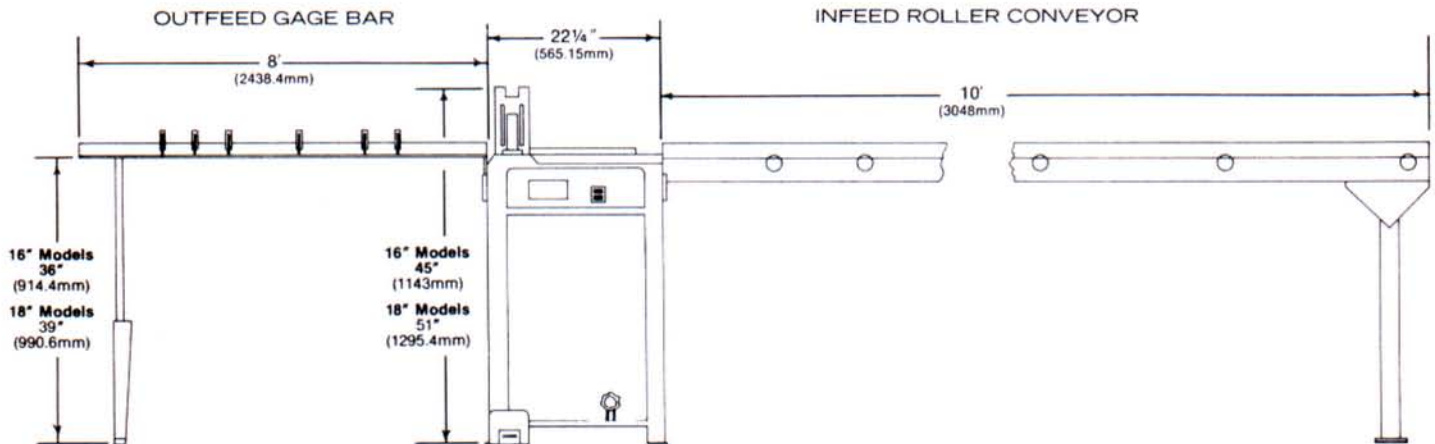
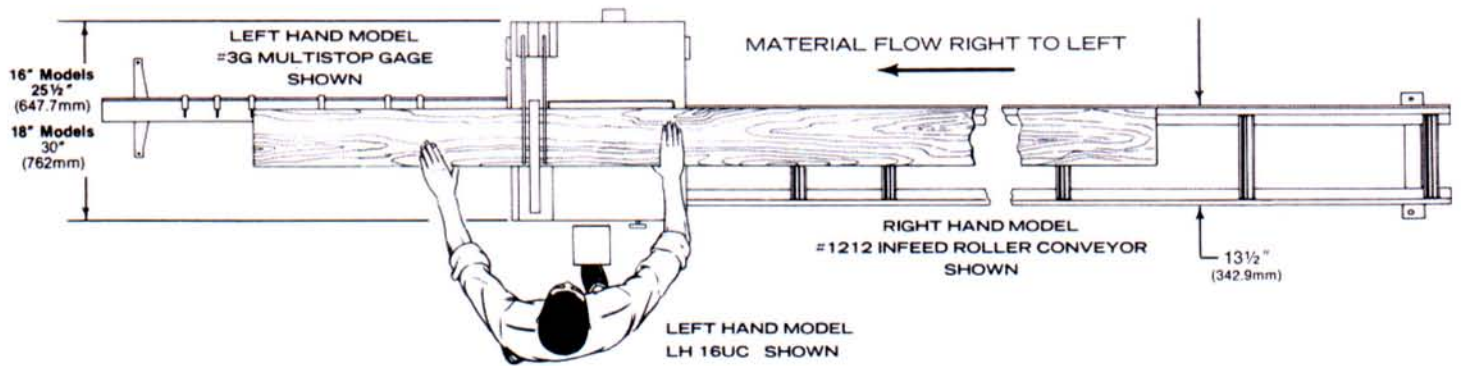
Dual adjustable flow valves regulate up and down speed of saw.

Heavy duty constant torque, totally enclosed, fan cooled saw motor. Optional 7 1/2, 10 horsepower and special electric motors also available.

Heavy duty 1/4" thick steel cabinet.

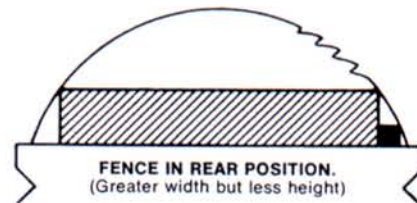
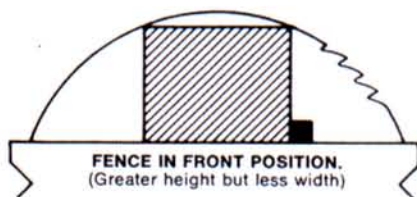
Optional air filter, pressure regulator, lubricator with pressure gage.

Guarded spring return footpedal. Saw will come up only as long as pedal is held down. As soon as pedal is released saw returns to original safety position.

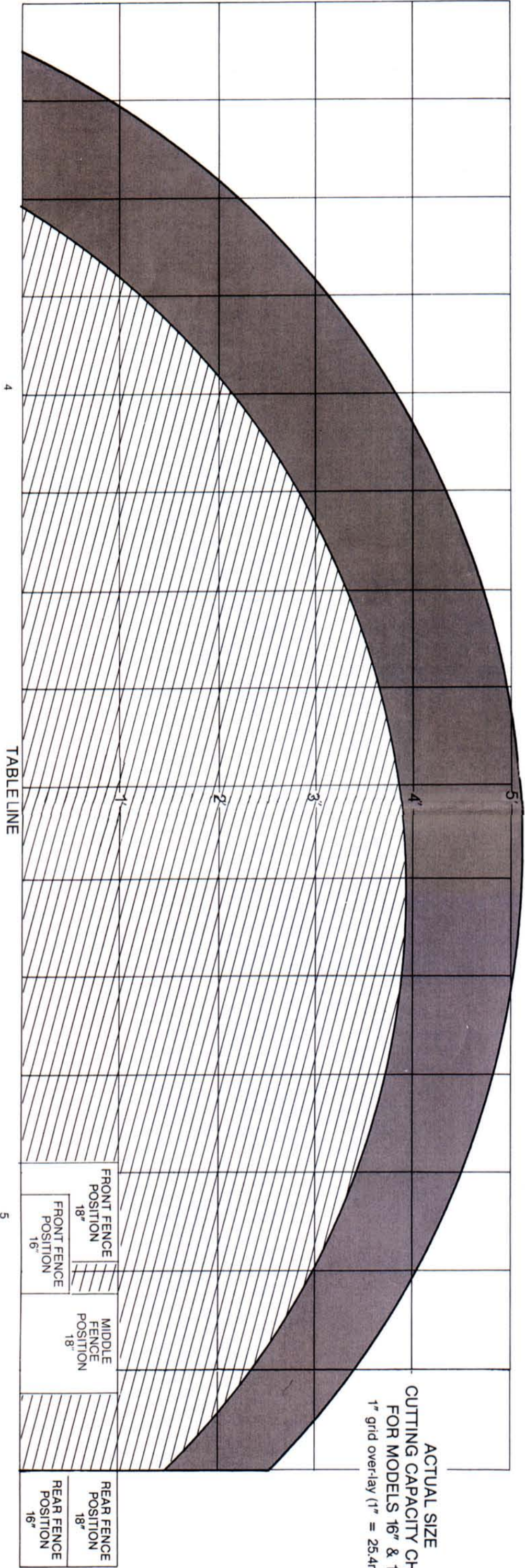


To determine the model machine best suited to your cutting requirements, place a crosssection or full size tracing of the material to be cut on the chart with one edge on the fence line and the other edge on the table line. The two arcs represent the maximum cutting capacity of the sawblades on the 16" & 18" UC under cut-off saw. The area under the smaller arc is the cutting capacity of the Model 16" UC while the area under the larger arc is the cutting capacity of the Model 18" UC. **Remember that the cutting chart is full size and represents what the machine with a full size sawblade will cut.**

Since the sawblade has a radius the blade will cut a greater height toward the center of its arc of movement. Therefore two fence positions are provided so that maximum utilization of the machine can be realized. The use of the front & rear fence positions is shown graphically below.



**ACTUAL SIZE
CUTTING CAPACITY CHART
FOR MODELS 16" & 18"**
1" grid over-lay (1" = 25.4mm)



FRONT FENCE POSITION 18"	MIDDLE FENCE POSITION 18"	REAR FENCE POSITION 18"
FRONT FENCE POSITION 16"		REAR FENCE POSITION 16"

4

TABLE LINE

5

SPECIFICATIONS FOR 16" MODELS

Model 16UC-P 16UC-H

- Motor** — 5 horsepower, 230/460 volt, 3 phase, 50/60 cycle, 3450 RPM, totally enclosed fan cooled, constant torque motor. When run at 50 cycles RPM is reduced to 2950.
- Amps** —
- | |
|--|
| 5HP — 208 volts, 3 phase, 60 cycle — 15.50 |
| 5HP — 230 volts, 3 phase, 60 cycle — 13.50 |
| 5HP — 380 volts, 3 phase, 50 cycle — 8.20 |
| 5HP — 460 volts, 3 phase, 60 cycle — 6.76 |
| 5HP — 575 volts, 3 phase, 60 cycle — 5.41 |
| 7½ HP — 208 volts, 3 phase, 60 cycle — 22.40 |
| 7½ HP — 230 volts, 3 phase, 60 cycle — 19.50 |
| 7½ HP — 380 volts, 3 phase, 50 cycle — 11.80 |
| 7½ HP — 460 volts, 3 phase, 60 cycle — 9.79 |
| 7½ HP — 575 volts, 3 phase, 60 cycle — 7.80 |

Switch

- Pneumatic** — Nema size 1 magnetic starter in Nema 1 enclosure with built in start/stop controls.
- Hydropneumatic** — Nema size 1 magnetic starter in Nema 12 dust tight enclosure with remote oil tight push button controls. Supplied with 8' power cord with plug.

Arbor — 1" (25.4mm)

Blade Capacity — 16" OD (406.4mm) (sawblade not included)

Sawdust Exhaust

- Pneumatic** — One 4" outlet. Requires approx. 500 CFM. (optional)
- Hydropneumatic** — One 4" OD outlet. Requires approx. 500 CFM.

Air Consumption — 14.48 SCFM at 80 PSI based on 80 cycles per min.
(¾" minimum air line) (.410 l/min) (5.5 bar)

Air Pressure — 80 PSI (5.5 bar)

Weight	— Model 16UC-H	Model 16UC-P
crated (domestic)	664 lbs (300kg)	614 lbs (278kg)
crated (export)	689 lbs (312kg)	639 lbs (289kg)
uncrated	589 lbs (267kg)	539 lbs (244kg)

Table Height — 36" (914.4mm)
(w/o skids)

Actuation

- Pneumatic** — Air valve, fully guarded, foot operated, spring return.
- Hydropneumatic** — Electrical foot pedal, fully guarded, operating single solenoid, spring return valve
- Production Rate** — Up to 120 cycles per minute with infinite speed adjustment. Actual production rate varies with requirements of specific application.

SPECIFICATIONS FOR 18" MODELS

Model 18UC-P 18UC-H

- 7½ horsepower, 230/460 volt, 3 phase, 50/60 cycle, 3450 RPM, totally enclosed fan cooled, constant torque motor. When run at 50 cycles RPM is reduced to 2950.
-
- | |
|--|
| 7½ HP — 208 volts, 3 phase, 60 cycle — 22.40 |
| 7½ HP — 230 volts, 3 phase, 60 cycle — 19.50 |
| 7½ HP — 380 volts, 3 phase, 50 cycle — 11.80 |
| 7½ HP — 460 volts, 3 phase, 60 cycle — 9.79 |
| 7½ HP — 575 volts, 3 phase, 60 cycle — 7.80 |
| 10HP — 208 volts, 3 phase, 60 cycle — 29.80 |
| 10HP — 230 volts, 3 phase, 60 cycle — 25.40 |
| 10HP — 380 volts, 2 phase, 50 cycle — 15.40 |
| 10HP — 460 volts, 3 phase, 60 cycle — 12.70 |
| 10HP — 575 volts, 3 phase, 60 cycle — 10.10 |

— Nema size 1 magnetic starter in Nema 1 enclosure with built in start/stop controls.

— Nema size 1 magnetic starter in Nema 12 dust tight enclosure with remote oil tight push button controls. Supplied with 8' power cord with plug.

— Nema size 2 for 10 HP. 208 & 230 volt.

— 1" (25.4mm)

— 18" OD (457.2mm) (sawblade not included)

— One 4" outlet. Requires approx. 500 CFM. (optional)

— One 4" outlet. Requires approx. 500 CFM.

— 16.89 SCFM at 80 PSI based on 80 cycles/minute
(.478 l/min) (5.5 bar)

— 80 PSI (5.5 bar)

— Model 18UC-H	Model 18UC-P
765 lbs (347kg)	715 lbs (324kg)
790 lbs (358kg)	740 lbs (336kg)
690 lbs (313kg)	640 lbs (290kg)

— 39" (990.6mm)

— Air valve, fully guarded, foot operated, spring return.

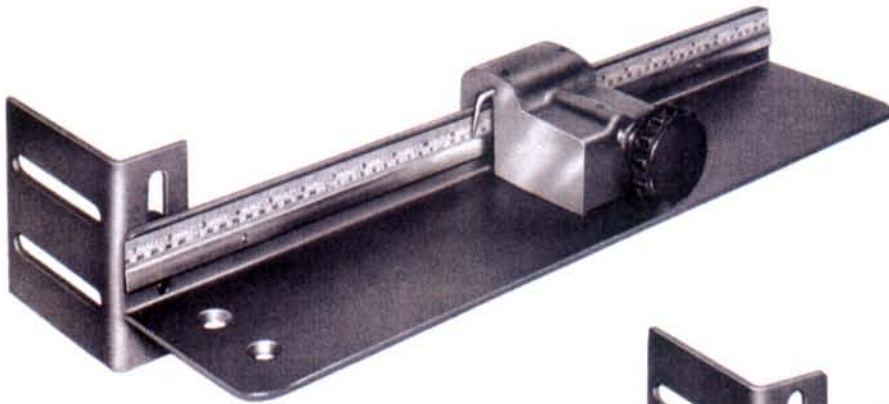
— Electrical foot pedal, fully guarded, operating single solenoid, spring return valve

— Up to 120 cycles per minute with infinite speed adjustment. Actual production rate varies with requirements of specific application.

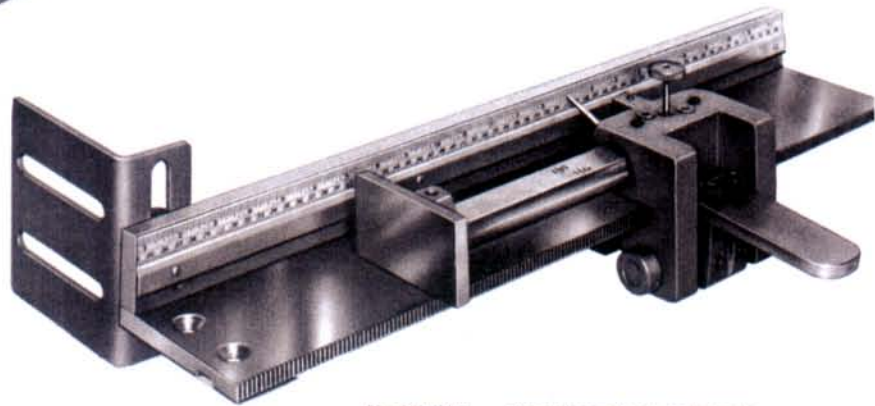
Subject to specification and engineering changes without notice.

ACCURGAGES

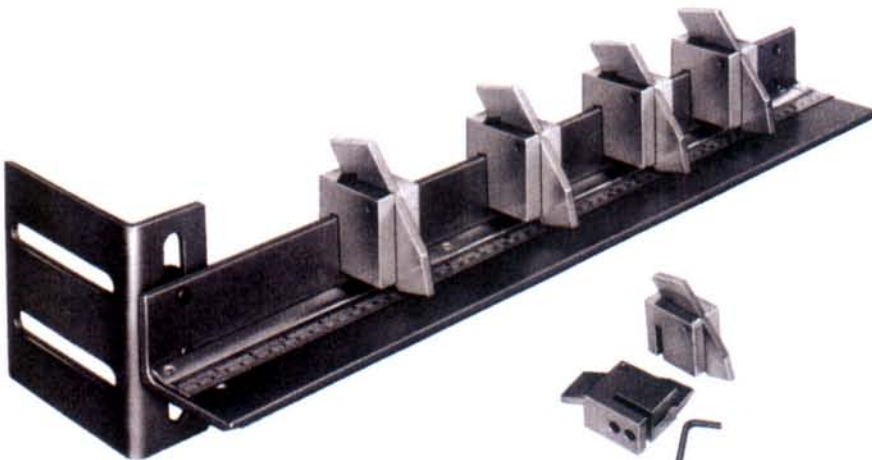
Fast goof-proof gages for everyday operations with unskilled labor. Suitable for use in a large variety of operations involving single or multiple stop arrangements.



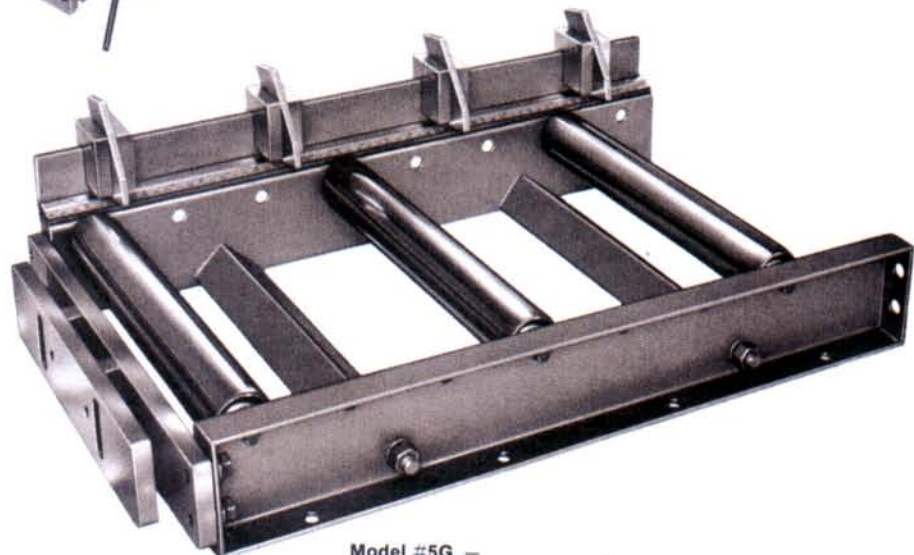
Model #1G —
A general purpose clamp-on stop, suitable where there are few size changes. Minimum length cut 6".



Model #2G — Precision milled rack teeth permit fast accurate size changes. Minimum length cut 2". Also available with metric calibration.

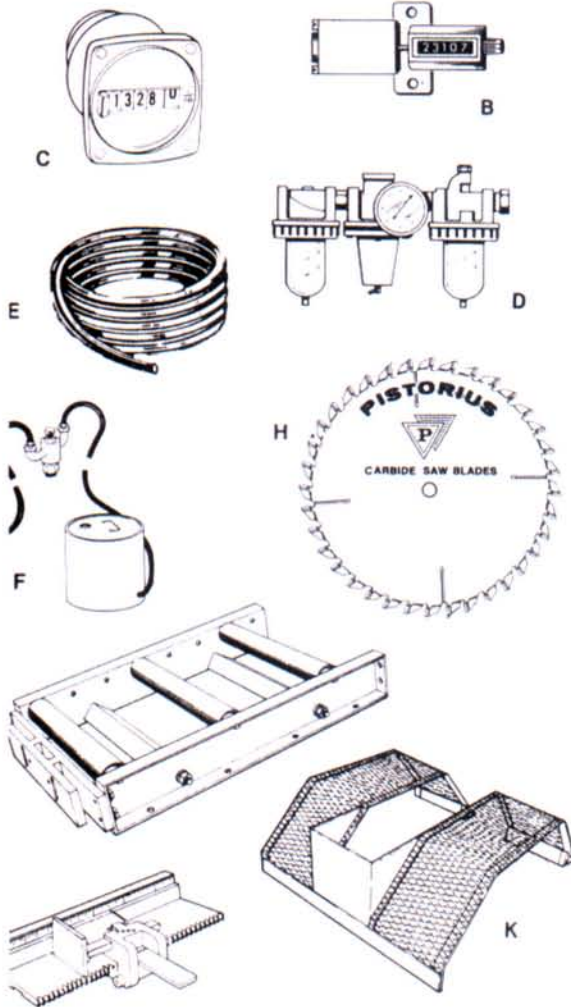


Model #3G —
For selective use of multiple preset clamp-on stops. Minimum length cut 6". Stops available in $\frac{7}{8}$ " or $\frac{1}{4}$ " width.



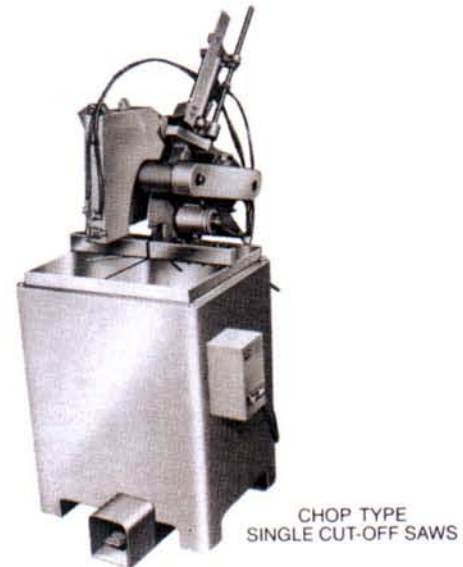
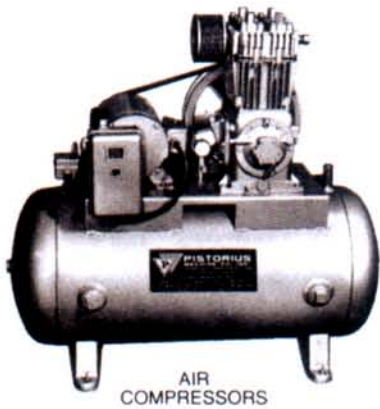
Model #5G —
An effective combination of our roller conveyor combined with the #3G gage. Minimum length cut $5\frac{1}{2}$ ". Rollers supplied standard on 12" increments.

OPTIONAL ACCESSORIES



- MOTORS** — replaces standard motor
- 5 horsepower, 208, 380, 575 volt
 - 7½ horsepower, 208, 230, 460, 380, 575 volt
 - 10 horsepower, 208, 230, 460, 380, 575 volt
-
- A** Motors — replaces standard motor
-
- B** Pneumatic stroke counter with digital display. Resets to zero.
-
- C** Elapsed time indicators are ideal for implementing preventative maintenance programs.
-
- D** Filter, oiler, regulator installed on machine for the best protection of your air components. Pneumatic models only.
-
- E** Industrial pneumatic hose.
-
- F** Spray mist system with 1 gallon reservoir. Used for cutting aluminum and plastic.
-
- G** Sawdust exhaust ducts. Flexible rubber exhaust hose. (not shown).
-
- H** Carbide sawblades for the ultimate in cutting performance.
-
- I** Phenolic chip breaker to help prevent tearout on laminated items. (not shown).
-
- J** Infeed roller conveyors for ease in handling bulky materials.
-
- K** Safety guard (available for earlier models).
-
- L** Accurgages are available in a variety of models with single or multiple stop arrangements. (See Page 7).

ALSO AVAILABLE



IMPORTANT NOTICE TO PURCHASER AND USER

All material contained herein is based on tests and information we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use or the inability to use the product described herein. Manufacturer offers inspection by buyer and user of product prior to shipment from factory with adequate notice. Before using, user shall solely determine the suitability of the product for his intended use and user assumes all risk and liability whatsoever in connection with strict compliance with all Federal, State and Local health and safety ordinances to its intended use.



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