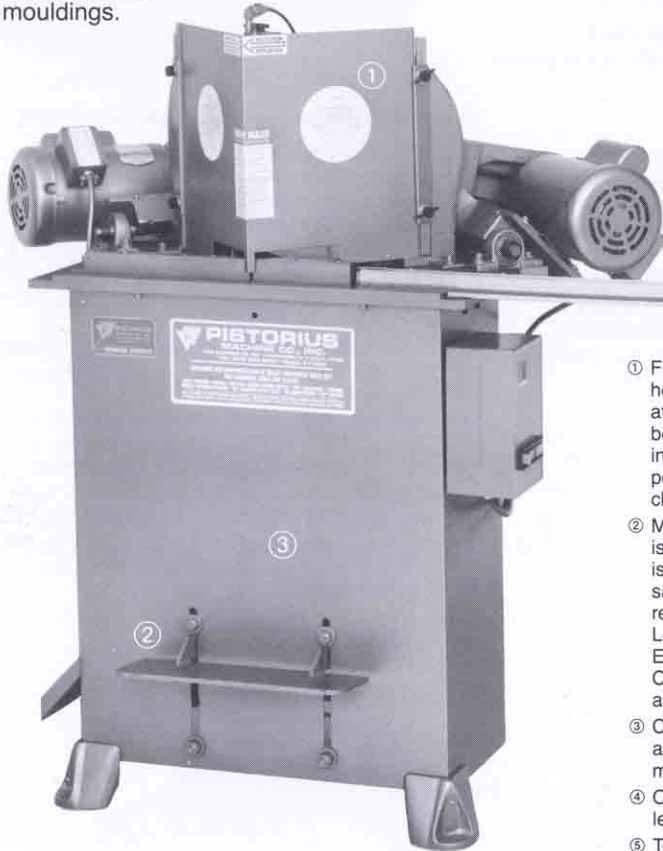


PRECISION DOUBLE MITER CUT-OFF SAWS

MODELS EMN-12 AND EMN-14, FOOT OPERATED PRECISION DOUBLE MITER CUT-OFF SAWS

Extremely versatile. Sawblades will cut nearly any material in one cycle of the sawheads, not repeated chopper-like passes. Each cut is a finish cut suitable for assembly. No material supports are necessary since no pressure is exerted against the work piece. Will easily cut any flat shape, and with fixturing will handle small reverses and shell-type mouldings.



- ⑦ Sawhead chamber adjustment.
- ⑧ Optional precision made, job matched carbide sawblades to suit your specific applications. See page 7.
- ⑨ Precision ground 1" steel plate work table.
- ⑩ Optional Mittersize™ gage shown is designed to provide rabbet measurements for picture frames. Many other gages are available. See pages 12 to 15 for further details.

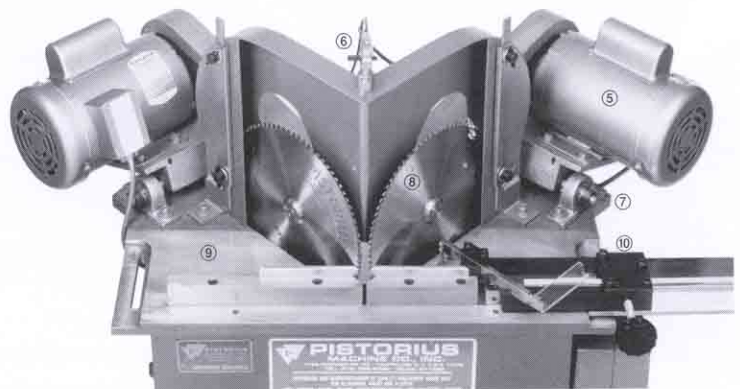
Pistorius machines are built to last. Extra heavy duty cast iron and steel construction throughout. Beautiful, precision miters. Generally will cut chip-free compo or jesso covered ornate mouldings and high-pressure laminated mouldings. Machine will provide equally good cutting performance on aluminum, wood and plastic extrusions.

FEATURES

- 230 volt, 1 phase electrics standard. No expensive electrical installation required.
- Simple and effortless to use. Unskilled men or women become quite efficient and accomplished in operating this machine.
- Side scrap discharge chute keeps scrap away from operator. Simple disposal into container.
- Machine is virtually maintenance free, eliminating costly downtime. Keeping blades sharp is your only requirement for continuous trouble-free operation.
- Complete line of gages and quality carbide sawblades available.
- No compressed air required.

MODEL EMN-12 shown with optional #7G Mittersize™ gage and optional spray mist system.

- ① Front safety guard is constructed of heavy gage steel for maximum operator protection. Machine should never be operated without the safety guard installed and adjusted to its lowest position. Safety guard is removable to change sawblades.
- ② Manual operation via footpedal which is only 12" off the floor. Only 7" of travel is necessary to complete stroke of sawblades. No heavy pressure is required, sawblades do all the work. Leaves hands free to hold material. Easy to regulate speed of cutting. Counterbalanced sawheads return automatically.
- ③ Cabinet type stand, improves appearance and helps keep dust to a minimum.
- ④ Optional "foot" for adjustable support leg, allows bolting to floor if desired.
- ⑤ Totally enclosed fan cooled ball bearing motors.
- ⑥ Optional sawblade lubrication system for lubricating sawblades when cutting aluminum. System requires an external source of compressed air.



Shown with front safety guard removed for illustration purposes.

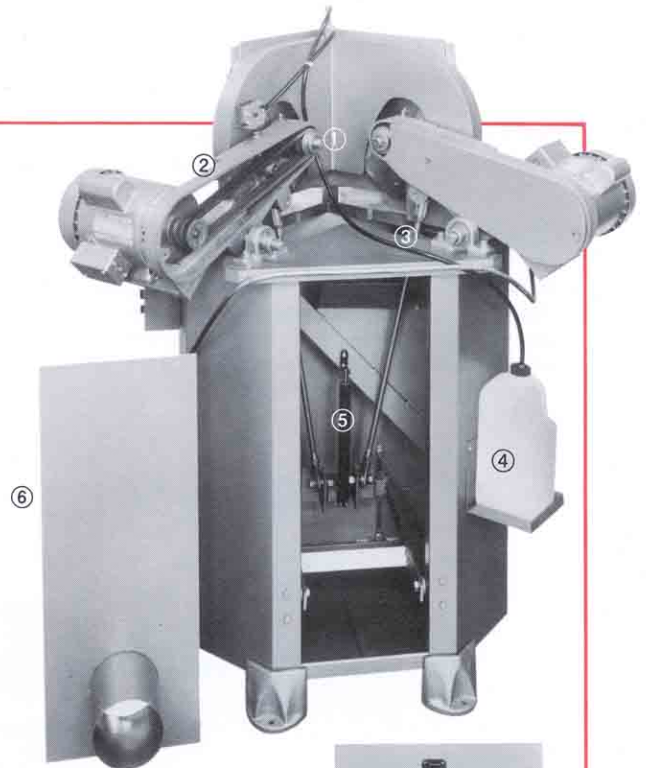
Offers big machine production at a price that even the smallest shops can afford.

TYPICAL USES

- Custom picture frames
- Aluminum store fronts
- Silk screen frames
- Do-it-yourself frame shops
- Custom sign shops
- Replacement windows and doors
- Occupational training schools
- Bath & shower enclosures
- Sheltered workshops
- Glass & mirror shops
- Patio-porch & deck enclosures
- Woodworking shops
- Display manufacturers
- Custom craft hobby shops

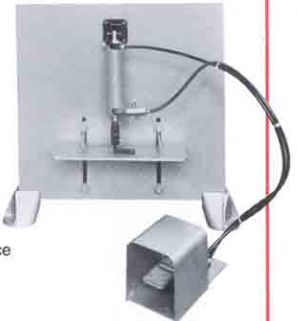
- ① Precision ball bearing spindle driven by a single Poly-Vee belt and matching pulleys. Poly-Vee belts run smooth and quiet. High quality cuts require minimum vibration. Spindle bearings are available in cartridge form and are simple to remove and replace if necessary.
- ② Shown with belt guard removed for illustration purposes. Machine should never be operated with any guards removed.
- ③ Interconnected link arms assure simultaneous cutting and are provided with self aligning bearings at both ends.
- ④ One gallon translucent bottle for optional Venturi Type spray mist system.
- ⑤ Adjustable flow hydraulic cylinder controls speed of sawhead return.
- ⑥ Optional sawdust exhaust duct is provided with a single 5" outlet. For proper dust collection a minimum of 850 CFM air volume is required.

For further information on dust collection devices see Pistorius bulletins V & TC, illustrating and describing low cost vac units and high efficiency centrifugal separators.

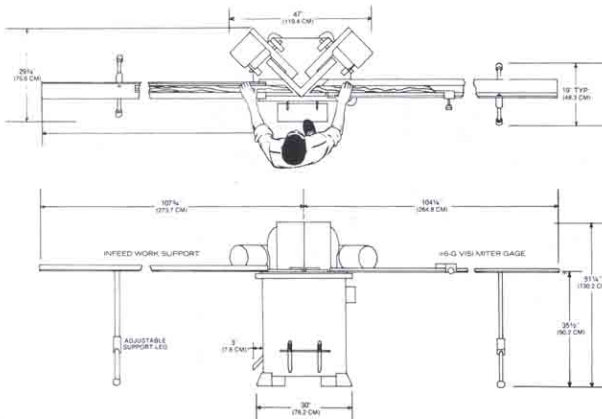
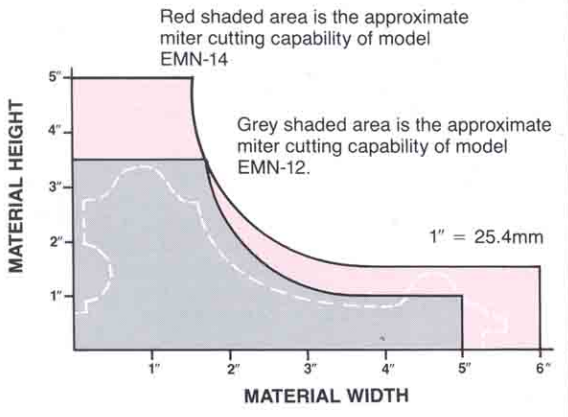


MODEL EMN-12 shown with optional spray mist system.

Optional pneumatic power feed kit includes air cylinder with mounting clevis, flow control hoses, fittings and foot pedal. Requires an external source of compressed air. Unit can be factory installed, or simply installed at a later time by drilling six clearance holes in the cabinet and foot treadle.



Cutting capacity chart for models EMN-12 and EMN-14. The chart illustrates the actual miter cutting capacity for varying heights and widths of material.



SPECIFICATIONS

| MODEL | EMN-12 | EMN-14 |
|--|--|-------------------|
| Miter Cutting Capacity | See cutting capacity chart | |
| Standard Motor | 1 Horsepower | 2 Horsepower |
| Electrics | 208/230 volt, 1 phase, 60 cycle, 3450 RPM, totally enclosed, fan cooled, capacitor start induction run motor. When run at 50 Hz, motor RPM is reduced to 2950. | |
| Amps (total) | | |
| 208 / 1 / 60 | 14.3 | 26.4 |
| 230 / 1 / 60* | 13.0 | 24.0 |
| 208 / 3 / 60 | 7.1 | 12.3 |
| 230 / 3 / 60 | 6.4 | 11.2 |
| 460 / 3 / 60 | 3.2 | 5.6 |
| 220 / 1 / 50 | 12.2 | 22.4 |
| 575 / 2 / 60 | 2.6 | 4.5 |
| 380 / 3 / 50 | 3.4 | 6.8 |
| 240 / 3 / 50 | 5.6 | 11.2 |
| 415 / 3 / 50 | 1.6 | 3.2 |
| *Standard motor supplied with machine. | | |
| Switch | Pushbutton manual starter with under voltage protection, functions to start, stop and protect the motors against overload. | |
| Drive | Single poly-vee belt with matching pulleys on motors & spindles. | |
| Arbor | 5/8" (15.88mm standard) | |
| Sawblade Capacity (sawblade is not included) | 12" | 14" |
| Sawdust Exhaust | One 5" OD (127mm) outlet requires approximately 850 CFM. | |
| Air Consumption (with optional air feed kit) | .72 CFM at 65 PSI based on 15 cycles per minute (1/4" air line minimum.) | |
| Air Pressure | 65 PSI (4.5 bar) only needed for air operated options. | |
| Weight (without accessories) | | |
| Crated (domestic) | 410 lbs. (186 kg) | 505 lbs. (229 kg) |
| Crated (export) | 435 lbs. (198 kg) | 530 lbs. (241 kg) |
| Uncrated | 310 lbs. (141 kg) | 405 lbs. (184 kg) |
| Table Height (from floor & without skids) | 35 1/2" (902mm) | 36" (914mm) |
| Actuation | Manual footpedal with counterbalanced automatic return with hydraulic dampening. | |
| Production Rate | Actual production rates vary with material profile, type of material and size of frame being cut. Cutting cycle time is typically 4 to 6 seconds. | |