

Horizontal Rollers

The horizontal idle rollers are 4½" (115mm) diameter and extend the full width of the table at infeed and outfeed ends.

Fence

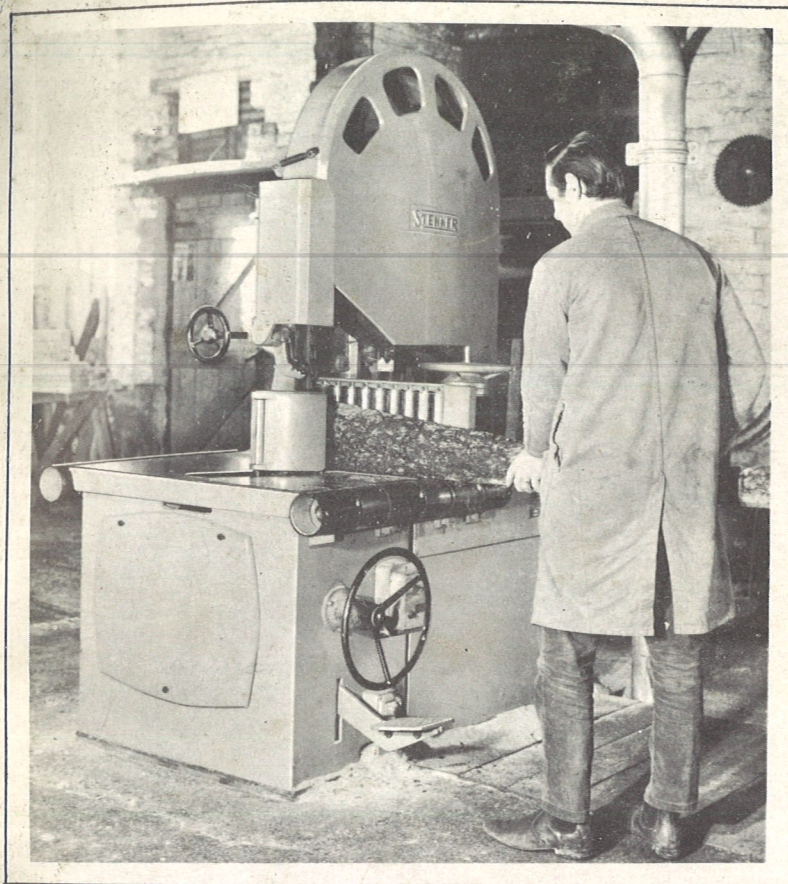
The setting fence is rack-and-pinion operated and opens 9" (229mm) from the saw line; it is robustly built and easily set by a large handwheel and long locking lever. The fence plate is fitted with ball-bearing rollers, will

cant to 45° and has horizontal and vertical adjustments. A multi-roller fence plate with closely-spaced rollers is also available as optional equipment. The fence opening is easily and accurately read on an enlarged rotating scale.

Timber Support Rollers

For handling long timbers Timber Support Rollers are recommended. These are usually supplied in pairs, one for each side of the machine and can be bolted down or left free standing.

The machine is supplied as standard with two toothed feed rollers, .75 and 15 h.p. electrical equipment and foot-operated emergency stop switch suitable for 400/440 volts, 3 phase, 50 cycles, A.C. supply. Rubber-covered feed rollers, timber support rollers, multi-roller front fence plate, totally enclosed motors and bandsaws can be supplied as optional equipment. Electrical equipment for most other current supplies can be provided; please state the details.



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Makers of Sawmilling Machinery since 1875

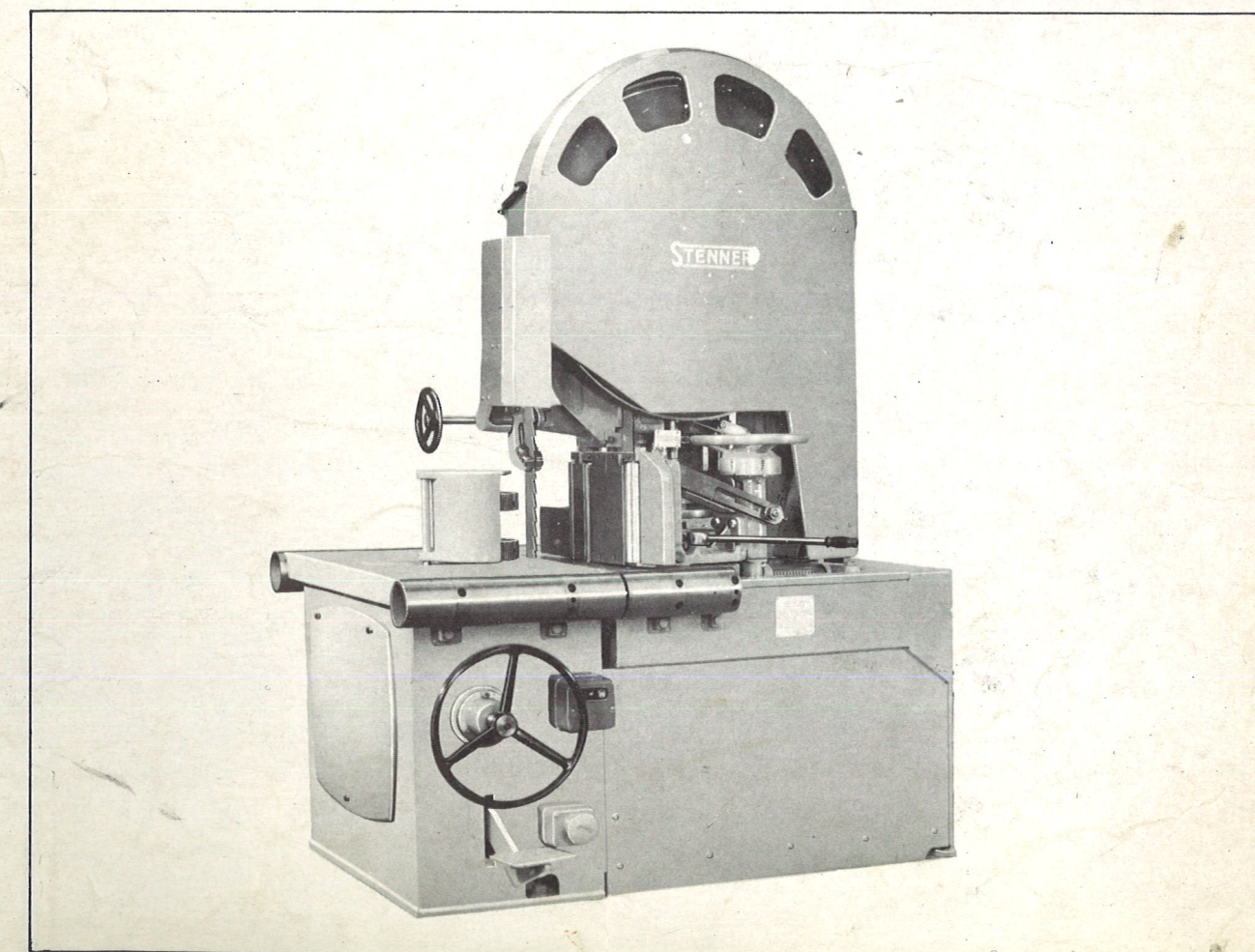


By Appointment to
Her Majesty Queen Elizabeth
Manufacturers & Suppliers
of Sawmilling Machinery

Band
Resaw

Type
VHM 36

The VHM 36 band resaw has been specially designed to meet the needs of the smaller timber merchants and builders' merchants, and for the smaller resawing jobs and short runs in large production sawmills. It is a true wide bandsaw machine with 36" (914mm) diameter, high-duty iron saw pulleys and a 3" (76mm) wide tensioned saw of thin gauge permitting a very narrow saw kerf and high timber recovery rate. Compared with a circular radial arm resaw, the VHM 36 is less wasteful and uses less power for a given class of work.



PRINCIPAL DIMENSIONS AND DATA

Diameter of saw pulleys	36"	(914mm)
Width of saw pulley face	2½"	(64mm)
Maximum width of saw	3"	(76mm)
Maximum length of saw	18' 4"	(5.587m)
Minimum length of saw	17' 8"	(5.384m)
Maximum height of top saw guide above table (Maximum depth of cut depends on the nature of the work)	16"	(406mm)
Maximum opening feed rolls to saw line	9"	(228mm)
Maximum opening fence to saw line	9"	(228mm)
Table height from floor level	2' 8"	(812mm)
Overall height from floor level	7' 2"	(2.184m)
Overall width	6' 0"	(1.829m)
Speed of saw pulleys, r.p.m., for 7,000 f.p.m. (2,133m/min.) saw speed	750	
Feed speeds: feet per minute	25, 50, 75, 100 (or 0-100)	
metres per minute	7.62, 15.24, 22.86, 30.48 (or 0-30.48)	
Horse power of main drive motor	Standard 15 To Special Order 20	
Horse power of feed motor	0.75	
Nett weight	36½ cwts.	(1854kg)
Gross weight	45 cwts.	(2286kg)
Shipping dimensions	214 cu. ft.	(6.05 Cu.m)

Stenner have a policy of constant improvement and development. It will be understood, therefore, that we must reserve the right to supply machines which differ in detail and specification from those described in this leaflet, without incurring the obligation of providing such modifications on machines previously delivered.

SPECIAL FEATURES

- 3" (76.2mm) wide tensioned saw, fully and efficiently guarded
- Saw kerf - normally under $\frac{1}{8}$ " (1.6mm) wide
- Individually adjustable lignum block saw guides
- Efficient saw and saw-pulley cleaning devices
- Feed gear driven by separate motor. Four feed speeds up to 100 f.p.m. or infinitely variable up to 100 f.p.m. (30-48 m.p.m.).
- Fully flexible radial arm, easily and quickly operated
- Horizontal idle rollers at infeed and outfeed ends of the table
- Wide capacity saw to fence and saw to vertical feed roller
- Quickly adjusted canting fence with ball-bearing rollers and easily-read indicator dial
- Hinged sawguards for rapid changes of saw
- Controls placed within easy and natural reach of the sawyer

These features, and many others common to the larger Stenner resaws, are embodied in the VHM 36 to present to the discriminating purchaser a compact, efficient resaw, economical in first cost and saw kerf wastage and requiring the simplest of foundations.

General

The VHM 36 is made as a left-hand machine, i.e. the saw pulleys rotate in an anti-clockwise direction when looking in the direction of the feed. The drive is arranged to give a saw speed of 7,000 ft. (2135m) per minute.

Machine Base and Column

The machine base is a substantial, all-steel welded fabrication, providing a rigid support for the top and bottom saw pulley units, the radial arm feed-gear, the table and the fence. The robust cast iron top column has machined slideways for the rise and fall of the top saw pulley and the top saw guide.

Saw Pulleys

The solid plate-type saw pulleys are high-duty castings machined all over and balanced; the bottom pulley being the heavier to prevent over-running. They are mounted on substantial ball and roller bearings in dust-proof housings. A tilting device is provided.

Saw and Saw Pulley Cleaning

The saw is cleaned on both sides by felt pads lubricated from an oil reservoir with a controlled drip feed; the wings of the cleaner are lightly spring loaded and both wings open for saw changing. The saw pulleys are cleaned by non-metallic weight-loaded scrapers.

Saw Straining

The top saw pulley is raised and lowered by a hand-operated raising screw. Saw strain is applied by a sensitive coil spring device with graduated indicator, ensuring constant cushioned strain.

Saw Guides

The top and bottom saw guides are lignum blocks set in pairs on each side of the saw; the blocks are readily accessible and individually adjustable. The top guide is adjustable for height and a convenient locking device is provided.

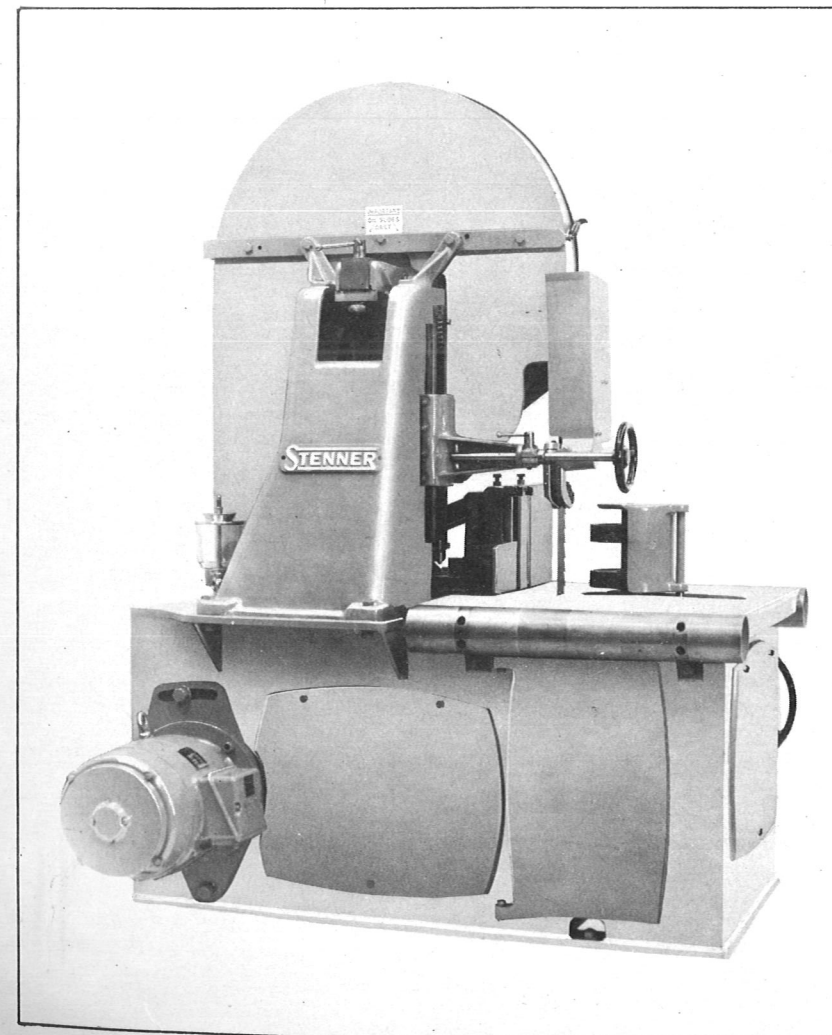
Saw Guards

Efficient guards completely enclose the saw, except the actual working depth; portions of the guards are hinged to permit quick and easy changing of the saw.



Tables

The tables are high-grade close-grained castings, accurately finished and have a working surface 33" (838mm) wide, 36" (914mm) long.



Feedgear

The feedgear is self-contained within the machine base and is driven by a separate electric motor through an enclosed worm reduction gear. Four feed speeds up to 100 ft. (30m) per minute are provided by multi-diameter vee belt pulleys; a belt tensioning device and a hinged access door permit quick feed speed changes. Alternatively, an infinitely variable feed gear system with speeds up to 100 ft. (30m) per minute is available. The drive is from a separate electric motor through a variable gearbox and up to the radial arm. A rotary knob conveniently placed for the operator on the side of the base frame gives instant control. The weight-loaded radial arm carries two 8" (203mm) diameter feed rollers with machine cut teeth which are efficiently guarded; it is opened to any desired position by depressing a foot pedal and is fully flexible over the maximum opening of 9" (229mm) from the saw line. The inward movement of the arm is restricted as required by rotating a handwheel requiring four turns only for the full opening. The feed rollers and vertical shaft are quickly detachable permitting timber over 18" (457mm) wide to be sawn; the feed rollers are vertically adjustable on the shaft for varying thickness of timber. Rubber-covered feed rollers can be supplied as optional equipment for resawing planed stock and for bevel sawing; normally one is sufficient.

Main Drive

The main drive is applied to the bottom saw pulley spindle by vee belts and pulleys from a drip-proof flange-mounted electric motor carried on a pivoted plate for belt tensioning. Totally enclosed fan-cooled motors can also be supplied. The drive is enclosed and compact.