



WOOD

BULLETIN No. 103

TYPE GH and RH

**high speed
band saws**

tannewitz

New ideas, new concepts, combined with the Tannewitz pioneering spirit, blend precision engineering and sales action into the new look of Tannewitz.

Tannewitz originated and pioneered the manufacture of high speed band saws. Each year product improvement and product knowledge have added to the quality and function of each Tannewitz product. Today, many Tannewitz high speed band saws are custom-planned and custom-produced for special wood cutting operations. When you are considering the purchase of a band saw, talk first to Tannewitz. You are assured quick action, full explanation, and demonstration of benefits to fill your needs. Fast service during installation, fast service on repairs, and fast service to solution of your problems is the new trade mark of Tannewitz.

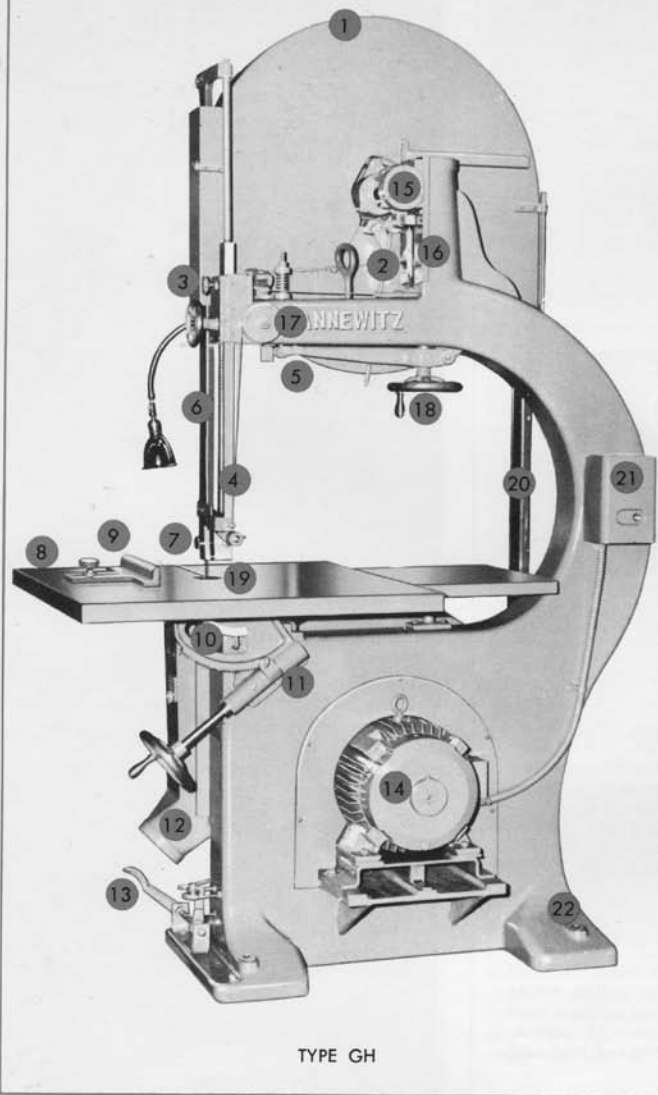
Tannewitz high speed saw superiority is demonstrated by the many Tannewitz customers all over the world. They know. Most have used Tannewitz band saws exclusively for many years. Why don't you look at the best . . . Tannewitz.

- PRECISION CONSTRUCTION
- RUGGED DURABILITY
- TROUBLE FREE OPERATION
- OPERATOR SAFETY
- ENCLOSED GUARDS

Strength and rigidity in a band saw frame is of utmost importance.

It is here that maximum control of vibration and smoothness of operation is centered. Each Tannewitz high speed band saw is extraordinarily strong and rigid for heavy duty. In Tannewitz high speed band saws the frame is an exceptionally heavy casting, $\frac{3}{8}$ " to 1" thick. The gooseneck design represents the shortest distance between the main frame and upper wheel bearing, consequently, this is the strongest, stiffest type of construction conceivable. The integral cast feet are extra wide to assure machine stability eliminating the need of bolting it down.

Because of the solid quality precision construction and attention to details, Tannewitz high speed band saws have increased production in some wood cutting plants up to 100%. In the majority of plants using Tannewitz high speed band saws the cut is smoother, less cleaning up is required for the finished product and the feeding is very nearly effortless. The majority of important features built into each Tannewitz high speed band saw are patented. Consequently, this exclusiveness of fine features allows you to have the best when you own a Tannewitz.



1. Tannewitz precision rigid steel wheels with metal-backed demountable tires. Fully enclosed.
2. Blade tracking lever.
3. Hand lock.
4. Gear adjusted ground guide post.
5. Blade spring tension lever and indicator.
6. Enclosed steel blade guard.
7. Tannewitz patented all steel dust proof ball bearing guides above and below.
8. Front edge of table machined.
9. Rip gauge.
10. Tongue and grooved trunnion with graduated tilting indicator.
11. Worm and gear table tilting with positive lock.
12. Tannewitz exclusive siphon dust discharge system.
13. Tannewitz synchronized two-wheel brakes — automatic power shut off.
14. Interchangeable NEMA frame B.B. motors, 5 to 15 H.P.
15. Oversize ball bearings and shafts.
16. Large hand fitted wheel ways.
17. Spring counter balance.
18. Tension handwheel.
19. Round aluminum throat plate — removable.
20. Enclosed steel blade guard.
21. Magnetic starter with overload and under voltage protection.
22. Extra wide rigid feet.

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THE TANNEWITZ PRECISION BAND SAW WHEEL with Speedi-change Tire



Each Speedi-change tire is a combination of steel mesh reinforced rubber, and a pre-formed steel base. This complete tire is accurately sized for a press fit on the rim of a Tannewitz band saw wheel. Each rim is machined to furnish a perfect seat for the tire. The rim is held rigid by the twin disc construction of the Tannewitz wheel. Internally welded channel irons support the twin discs between the hub and the rim. This solid quality construction makes each Tannewitz precision band saw wheel a vital part in smooth cutting performance.

TRUE RUNNING WHEELS

For vibrationless operation, smooth cutting, and economy of saw blades, wheel construction must be perfectly balanced and run absolutely true at all times under all conditions.

Tannewitz wheels and Speedi-change tires are unsurpassed in smooth performance. Tannewitz wheels are all dynamically balanced and though not frequently called on to do so, will sustain a speed of 1800 R. P. M. without the slightest danger.

NO STRAIN

The upper wheel is mounted on oversize ball bearings. It can be quickly adjusted for proper alignment by means of a conveniently located tracking lever. It is supported by a pivoted spring tension device which prevents undue strain on the saw blade, absorbing the shock caused by the starting of a cut or pinching the blade. Consequently, blades as small as $\frac{1}{10}$ " may be used without undue danger of breaking. A pointer and scale indicate the proper tension for various width blades. Upper wheel may be raised or lowered 7 inches. This unusually large range permits the greatest possible economy of saw blades. Large hand-wheel actuates the heavy lead screw for easy operation. The ways are hand fitted for precision alignment.

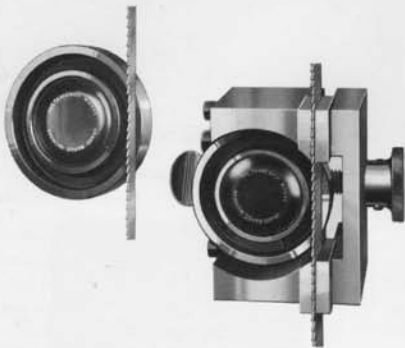
Lower wheel is mounted directly on motor arbor on standard Tannewitz GH high speed band saws.

OPERATOR SAFETY

Except at the cutting point the saw blades and Tannewitz wheels are completely enclosed. No severe air currents can annoy the operator. The steel guards are unbreakable. Tannewitz wheel guards swing wide on sturdy hinges providing quick accessibility to wheels and saw blades. The doors are heavily ribbed, rigid and vibration-proof. Two wheel brakes operated by foot treadle stops wheels instantly for operator safety.

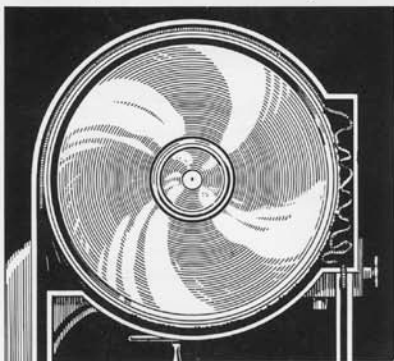
TANNEWITZ ALL STEEL DOUBLE LIFE GUIDES

The body of the Tannewitz "double-life" guides are machined from one piece of unbreakable steel. The jaws are hardened tool steel and designed to make them reversible when slight wear eventually occurs. The wheel is mounted on dust-proof ball bearings and may be quickly adjusted and securely locked into position. Guides for above and below the cutting table are standard equipment with each Tannewitz high speed band saw.



OPTIONAL AUTOMATIC ELECTRO-HYDRAULIC BRAKES

On ordinary band saw machines this is what happens when a saw blade breaks. Tannewitz has developed a solution to this problem. New optional electro-hydraulic brakes are a self-stopping device. When the tension on the saw blade releases, the motor shuts off automatically while the two wheel brakes stop the wheels immediately.



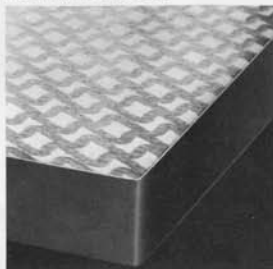
TANNEWITZ GEARED GUIDE POST



CONTRAST THIS TO THIS

The Tannewitz guide post may be adjusted up and down. Many adjustments are frequently made in a single day. A spring counter-balance offsets the weight of the guide post. This, with the geared knob, makes adjustments effortless and more accurate. Danger to operator is greatly reduced when he must make cutting adjustments.

TANNEWITZ TABLE



This precision ground table measures 36" wide by 37" long. Exclusive Tannewitz table top configuration relieves work drag. It is a thick casting, double ribbed around the edges to prevent warping, and mounted to assure absolute rigidity. It may be tilted through any of the various angles up to 45 degrees to the right and 5 degrees to the left. This is done by a dust proof worm and gear tilting mechanism, which has a lock for positive holding at any angle. Graduated segment and pointer plainly and accurately indicate the angle.

TANNEWITZ SIPHON DUST DISCHARGE



Built into each Tannewitz high speed band saw is an exclusive dust removal system. This pneumatic siphon action removes the dust from under the table and discharges it into the factory system. This exclusive Tannewitz design controls the dust. Dust from peak large volume production cutting is handled easily and efficiently.

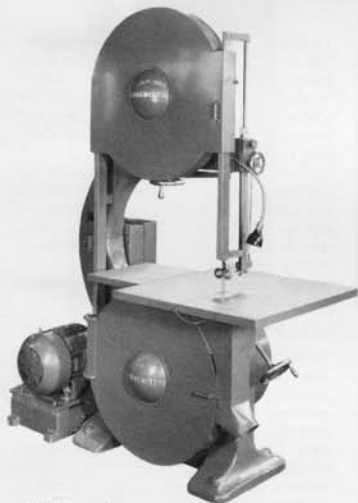
MAGNETIC PUSH BUTTON CONTROL

Each Tannewitz high speed band saw comes complete with magnetic starter, overload and undervoltage protection. The separate P.B. control is conveniently mounted on the front of the band saw column. The brake toggle shuts the motor off when the brakes are applied.

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VARIOUS TANNEWITZ HIGH SPEED BAND SAWS

While the GH36 Tannewitz high speed band saw is the standard for the wood-working industry, there are times when special work loads or problems must be met with other models. Tannewitz has on many occasions come up with the answer by providing customers with lower speeds or band saws with a larger throat capacity. These models are similar with the standard GH36 in Tannewitz solid quality features.



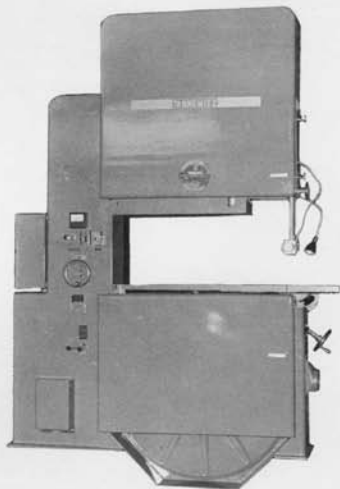
TYPE G-1

Sturdy, dependable belt drive machine for speeds not obtainable with direct motor drive. 36" throat. Any single blade speed from 1000 to 8000 FPM. Same Tannewitz quality as GH36 machine.



TYPE RH-42

Designed for special applications where larger throat area is needed. Cast iron base. 42" cutting throat capacity. Direct motor drive or belt drive.



TYPE SINE

For specific big production jobs where a 52" cutting clearance is needed. Steel base. Big. Rugged.

TANNEWITZ TILTING ARBOR SAW BENCHES AND SANDING MACHINES

While the prime business of Tannawitz is the design and manufacture of high speed band saws, a complimentary field of tilting arbor saw benches, and sanding machines are also made by Tannawitz. Each is constructed with Tannawitz precision, rugged durability and trouble-free operation. Each unit is made with minute attention to detail by superior craftsmen who have years of saw manufacturing experience. Each of the machines shown on this page carries the full Tannawitz guarantee. Ask for more information on any of these machines.

Model XJ

Here is a new concept in mitering efficiency. Quality in every detail. Moderately priced. Built to give a lifetime of trouble-free performance. Various table sizes for all types of work. Ask for Bulletin 111.

Model XJSH

New style XJSH saw bench has hydraulically operated saw raising and tilting mechanism. Operator can adjust machine rapidly by push button controls. Automatic-type safety guard. Ask for Bulletin XJSH.

Model GHNE

The finest in quality with new modern styling. Automatic brakes. Heavy steel welded frame. Column mounted blade tension. Ask for Bulletin 116.

SANDING MACHINES

Model 250RP

The wide belt two head sander for sizing and finishing all types of sanding jobs up to 50 inches wide. Belt Conveyor speeds up to 60 F.P.M.

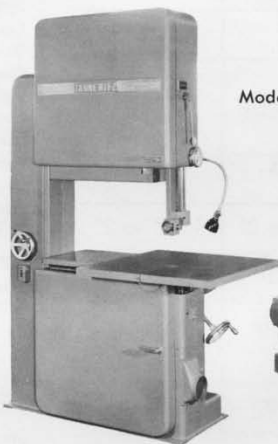
Model 1000 CDB

The automatic thru feed polishing machine that prepares your wood for your ultimate finish requirements.



Model XJ

Model XJSH



Model GHNE



Model 250RP



Model 1000 CDB

tannawitz

specifications

	TYPE GH	TYPE RH
Throat Capacity	35½"	41½"
Work Thickness	20"	21"
Horsepower	5	5
Blade Speed F.P.M.	8400	7800
Wheel Diameter	36"	42"
Upper Wheel Adjustment	7"	7"
Blade Length Max.	19'9"	22'
Blade Width	1/16" to 2"	1/16" to 2"
Table Size	36" x 37"	36" x 37"
Table Tilt	45° right 5° left	45° right 5° left
Auxiliary Table	16" x 19"	16" x 19"
Table Height	41"	41"
Brakes, both wheels	Mechanical	Mechanical
Floor Space	37" x 65"	37" x 73"
Overall Height	104"	108"
Net Weight, Lbs.	2900	3150
Crated Weight, Lbs.	3200	3500
Boxed Weight, Lbs.	3600	4000

STANDARD EQUIPMENT

Heavy Cast Iron Frame.
Precision Ground Tilting Main Table.
Precision Ground Auxiliary Table.
Tannewitz Balanced Steel Disc Wheels.
Tannewitz Speedi-change Tires.
Totally Enclosed Wheel Guards.
Fully Enclosed Blade Guards.
Totally Enclosed NEMA Frame B.B. Motor.
Magnetic Motor Control With O/L and Under Voltage Protection and Separate Push Button Station.
Synchronized Two Wheel Mechanical Brakes.
Counter-balanced, Gear Adjusted Guide Post.
Blade Tracking Control.
Blade Tension Control and Indicator.
Siphon Dust Discharge.
Tannewitz All Steel Guides.
Work Light.
Saw Blade.
Single Face Rip Fence.
Lubricant and Gun.
Instruction Manual.

OPTIONAL EQUIPMENT

Direct Motor Drive GH36" and RH42" Using 600, 700, 900 R.P.M. Motors. 5, 7½, 10 H.P.
Belt Drive Models G-1 36" and R-1 42" Any Single Speed. 1000 to 8000 Blade F.P.M. 5, 7½, 10, 15 H.P. Motors.
Steel Frame in Place of Cast Iron for Any Model.
32" Work Thickness Capacity With Cast Iron Frame for GH up to 55" Capacity With Steel Frame for GH or RH.
61" x 38" Non-tilting Table for GH or G-1 Models.
67" x 38" Non-tilting Table for RH or R-1 Models.
32" x 34" Table With Hydraulic Powered 13" Stroke.
Automatic Electro Hydraulic Brakes. (Add Suffix E to Model No.)
Super Rigid Wheels, Heavy Duty Shafts and Bearings.
Carbide Faced Guide Jaws.
3 Roller Type Guides.
Cut-off and Mitering Attachment.
Circle Cutting Attachment.
Double Faced Rip Fence—Front Rail Mounted.
Resaw Attachment for Hand Feeding.
Powered Resaw Feed Attachment With 8" Pads and Roller Fence.
Blade Welder With Shear and Grinder.
Motors and Electrical Equipment to Meet All Electrical Codes.
Special Paint.

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DIVISION OF WEIMAN COMPANY, INC.

3940 Clay Avenue, S.W., Grand Rapids, Michigan 49508 • Phone: 616-538-9200