

SINGLE END TENONING & SCRIBING MACHINE

TYPE 'B.X.A.'

Dominion



Available with 3, 4 or 5 Heads
Admitting Timber up to 14" x 6" (356mm x 152mm)

WMA
MEMBER



Dominion

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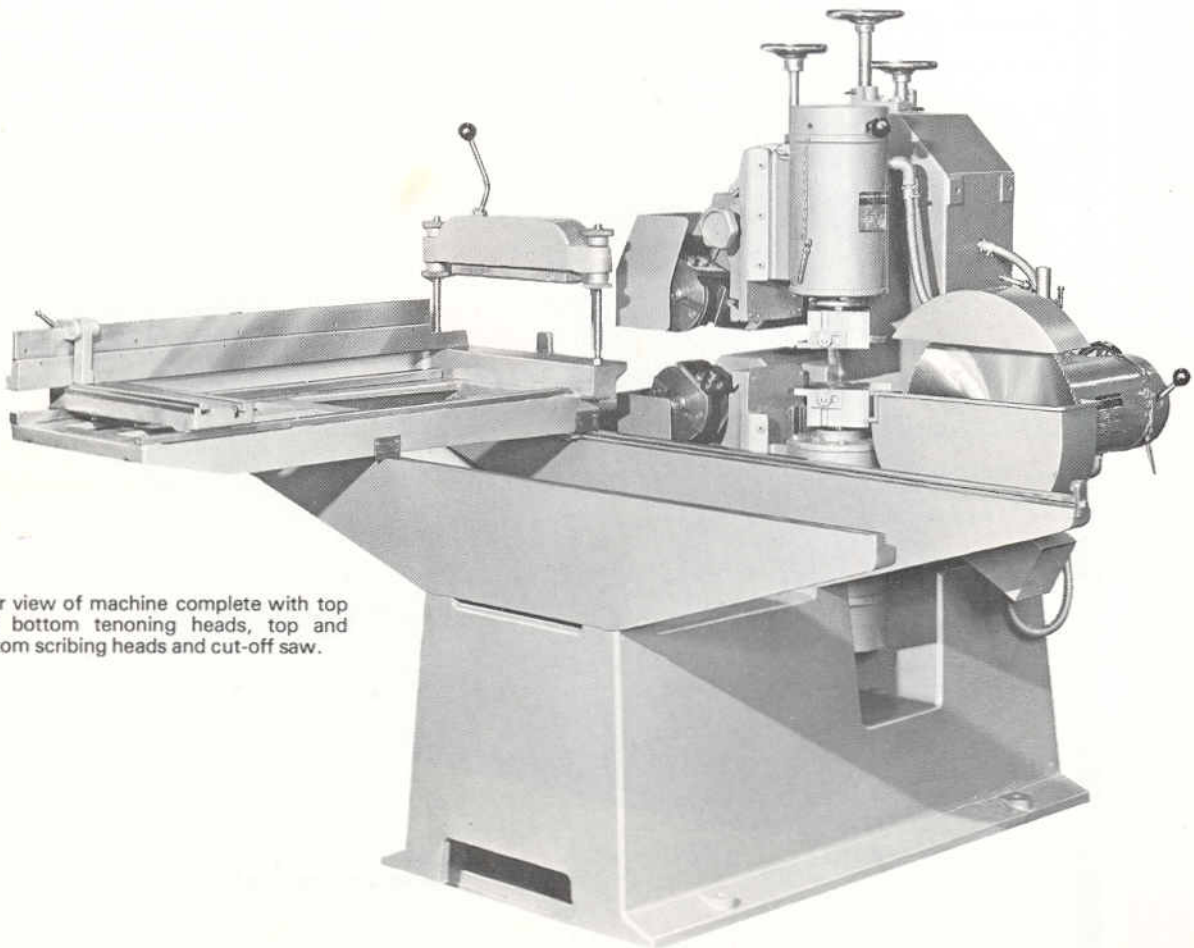
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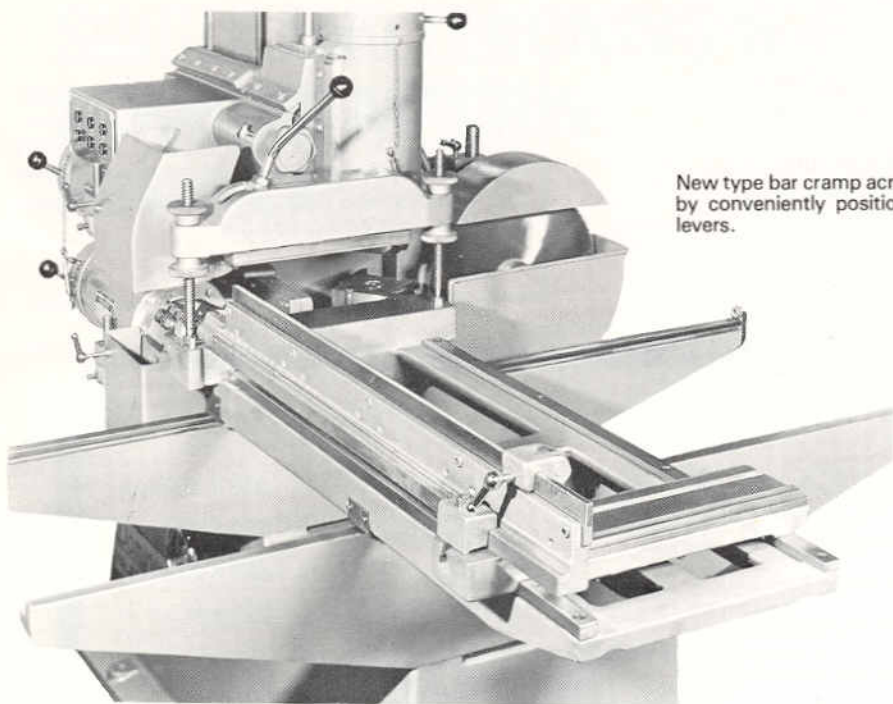
Modern in design, rigid in construction and combining all the latest developments gained from over 50 years experience in building top quality woodworking machines, the latest "B.X.A." Single End Tenoner fully lives up to the Dominion reputation for reliability and exceptional value. Capable of single or double tenoning, top and bottom scribing, crosscutting and trenching, the machine is built to give many years of trouble free service.

HEAVY CONSTRUCTION

The base and main column of the machine are made up of two heavy cored castings built to provide maximum rigidity and eliminate vibration. The table rails are again heavy duty castings, precision ground and designed to give rigid support to the sliding table, ensuring constant accuracy when the machine is in operation.



Rear view of machine complete with top and bottom tenoning heads, top and bottom scribing heads and cut-off saw.



New type bar clamp across the full width of the table, operated by conveniently positioned handle through double eccentric levers.

TABLE AND FENCE

The large sliding table capable of carrying timber up to 14" x 6" (356mm x 152mm) is of heavy cast construction, mounted on totally enclosed ball bearing rollers and fitted with table rail wiper pads, combining to make the section easy and smooth to operate.

A new bar type quick action clamp locks the timber down on to the table, thus promoting confidence when operating the machine.

The deep fence extending the full length of the sliding table is adjustable for angular tenoning and is fitted with a "Turnover Stop". A spring loaded stop bar is incorporated in the table and a front stop is mounted on the left hand table rail.

Graduated scales are also fitted to the tenoning heads—all features which make the "B.X.A." an easy machine to set up and operate, particularly when carrying out repetition work.

POSITIVE CONTROL

Setting up time is reduced to a minimum with the vertical adjustment hand wheel—controlling both tenoning heads and scribing heads together, as well as independent horizontal and vertical movement to the heads, each fitted with adjustable locks to guarantee precise and consistent tenoning time after time.

CUTTERHEAD UNITS AND BLOCKS

Each Tenoning Cutterblock carries four angled cutters bevel set and secured at 90° points on the cutting circle, dividing the cut to give better running balance and a clean shearing cut. Serrated shoulder cutters complete the arrangement.

The Cut-off Saw Unit is mounted at the back of the scribing heads and is fitted with horizontal adjustment for cutting the finished tenon to length.

Hand operated brakes are fitted to all the Cutterheads and Spindle Locking Pins are also supplied to make cutter changing a simple procedure. Guards are designed so as to enable users to comply with the latest regulations.

MOTORS AND CONTROL GEAR

The compact design of the "B.X.A." Tenoner is due in part to the unit type 2 h.p. motors, totally enclosed in Dominion frames, with the Cutterheads mounted directly on to the motor shafts.

The control panel includes individual push button stations for each head, together with a Master Stop Button to shut off all the motors simultaneously, all convenient to the operator.

Each contactor carries three thermal overloads, and no volt release, fitted into a flush mounted case incorporating a rotary isolator in the base of the machine. Electrical equipment can be fitted to suit either single or three phase supply, full particulars of current supply should be furnished with enquiries and instructions.

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STANDARD EQUIPMENT includes top and bottom tenoning blocks complete with cutters, top and bottom scribing spindles with cutters and cut-off saw unit complete with blade. Electrical equipment with control gear and isolator, guards, operating spanners and all equipment required for full operation of the machine.

OPTIONAL EQUIPMENT includes Corner Locking Heads, Wobble Saws, Grooving and Expanding Heads, Extended Fence, Foundation Bolts, whilst the machine can be supplied, if required, less cut-off saw and/or top scribing spindle.

SPECIFICATION

MAX. SIZE OF TIMBER ADMITTED	14" x 6"	356 x 152mm
MAX. TENON — ONE CUT	14" x 6"	356 x 152mm
MAX. TENON — TWO CUT	14" x 11½"	356 x 292mm
MAX. TENON — TO CUT OFF SAW	9"	227mm
MAX. HEIGHT BOTTOM TENON SPINDLE CENTRE TO TABLE	¾"	19mm
MAX. HEIGHT TOP TENON SPINDLE CENTRE TO TABLE	10¾"	273mm
MIN. LENGTH TOP TENON WITH BOTTOM TENON CUTTING 6"	2¼"	57.2mm
MIN. LENGTH BOTTOM TENON WITH TOP TENON CUTTING 6"	3⅜"	85.7mm
CUTTING CIRCLE DIA. OF TENON HEADS	6½"	165mm
DIA. TENON AND SCRIBING BLOCK SPINDLES	1½"	32mm
MAX. TRENCHING CAPACITY	14" x 2¼"	356 x 75mm
DIA. CUT-OFF SAW BLADE	15"	381mm
DIA. CUT-OFF SAW SPINDLE	⅞"	22mm
TABLE SIZE	43⅝" x 15½"	1114 x 384mm
MAX. ANGLE OF TABLE FENCE	45°	
TABLE HEIGHT FROM FLOOR	34⅜"	873mm
MAX. WIDTH OF TIMBER WITH FENCE AT 45°	8½"	216mm
HORSEPOWER OF MOTORS — 3PH AT 3000 RPM	2 h.p.	1.5kw
HORSEPOWER OF MOTORS — 1PH AT 3000 RPM	1 h.p.	.75kw
FLOOR SPACE: LENGTH	76⅝"	1946mm
WIDTH	67"	1702mm
HEIGHT	66"	1676mm

Machine	Code	Nett Weight	Gross Weight	Case Size
3 HEADS	BX	19cwt — 965kg	23cwt — 1167kg	109.8ft ³ — 3.08m ³
4 HEADS	BXD	20cwt — 1015kg	24cwt — 1218kg	109.8ft ³ — 3.08m ³
5 HEADS	BXCD	21cwt — 1065kg	25cwt — 1269kg	109.8ft ³ — 3.08m ³

As constant endeavour is made to improve goods of Dominion Manufacture, actual products may differ in some details from the illustrations.

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