

COMBINED SURFACING AND THICKNESSING MACHINE

TYPE 12in × 7in (300mm × 180mm) 'E.S.'



12" × 7" 'E.S.' (300 × 180mm)
Combined Planer and Thicknesser

COMBINED SURFACING AND THICKNESSING MACHINE

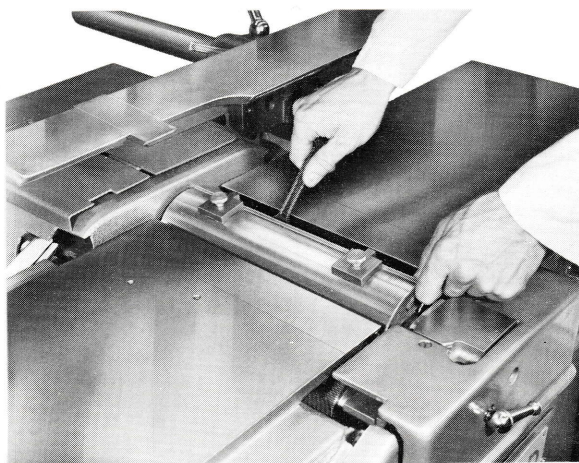
TYPE 12in × 7in (300mm × 180mm) 'E.S.'

The Dominion 12"×7" type 'ES' more than compares with its competitors in both weight and overall design. All the modern features have been incorporated including long surfacing tables, hand wheel adjustment to bottom table rollers, two speed constant mesh gear box and cutter setting equipment etc. For the joiner or wood-working machinist requiring a heavy duty machine of reasonable capacity capable of planing and thicknessing all types and sections of timber with continual efficiency and accuracy – the 12"×7" 'ES' is ideal.

MAIN FRAME

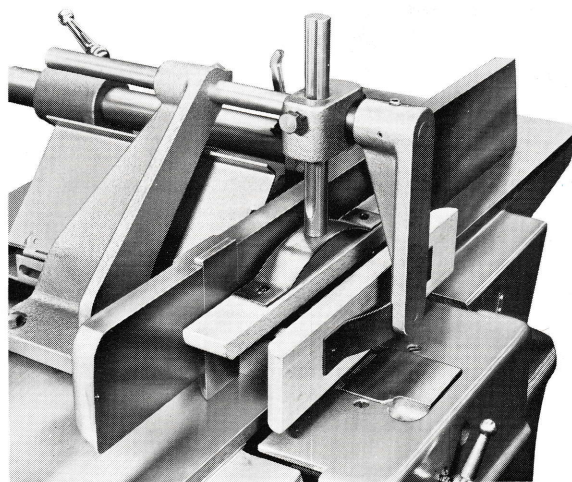
The Main Frame consists of a heavy cast iron base, housing all the rise and fall mechanism to the bottom table. Two rigid cheeks, again of cast iron, are fitted above the base carrying the cutterblock and top tables. When choosing a machine of this type, weight as well as design must be of primary importance and we would ask you to consider carefully the fact that this machine is built on heavy lines and weighs 11cwt. 2 qrs. (1290 lb. [585kg.]).

Cutter Setting Attachments shown below are supplied as standard equipment, and ensure correct cutter projection when changing the planer blades.



PLANER TABLES

The Top Tables are extra long, 48in (1220mm) overall, fitted with precision ground steel lips enabling perfect glue joints to be made. Each table will lower $\frac{5}{8}$ in (16mm). Any width can be machined, scales being fitted giving a direct reading of cut on the surfacing tables. Rebating can be carried out up to $\frac{1}{2}$ in deep (13mm) with the use of a "Shaw Type" Top and Side Pressure Guard which must be used and which is available as optional extra equipment.



Rebating over the surfacing tables can be carried out up to $\frac{1}{2}$ in (13mm) deep. The Shaw Type Guard shown here must be used for this operation and is available as optional extra equipment.

THICKNESSING TABLE

The Bottom Table has its rising and lowering motion on a substantial central column through screw and machine cut spiral gears. Anti-friction rollers are fitted in the table which has handwheel adjustment, whilst extension rollers are fitted both at front and rear. A pointer and graduated scale is provided for quick gauging of various thicknesses of timber up to 7in (180mm) deep. Anti-kickback Fingers are fitted to the Thicknesser to eliminate backlash in compliance with the latest Factory Regulations.

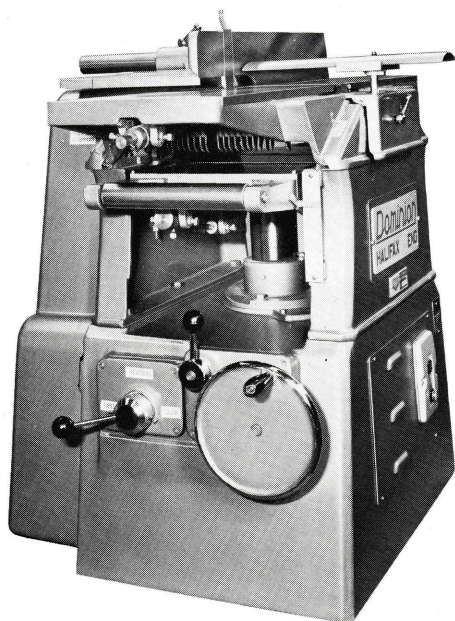


Illustration above shows centre column carrying bottom table, handwheel for raising or lowering bottom table and gear lever for feed speeds. Also illustrated is the small handwheel adjustment for simultaneous raising or lowering of the bottom table rollers - an unusual feature on a machine of this capacity.

CUTTERBLOCK

The Cutterblock is of the two knife circular safety type, accurately turned and ground out of a solid steel forging and mounted on heavy type ball bearings enclosed in dust proof housings.

The Cutters are held in position by wedges secured by high tensile screws; springs are fitted at the back of each cutter for convenience in setting, together with cutter setting equipment.

FENCE

A fine adjustment handwheel fitted to the fence bracket ensures easy and accurate setting of the large canting planer fence, for added safety.

GUARDS

A Bridge Guard, Rear Planer Guard and a Thicknessing Guard, together with Anti-kickback Fingers are fitted, all of which comply with the latest Regulations.

MOTOR AND CONTROL GEAR

One Motor Only (flange type) is housed in the base of the machine driving both the cutterblock and the feed gear box, through space saver vee belts giving cutterblock speeds of 5000rpm and two feed speeds of 15 and 30 feet per minute (5 and 9m per minute).

The motor is controlled by a direct on-line push button starter, conveniently sited for easy access. The starter is fitted with three thermal overloads, no-volt release and a single phasing prevention device.

Electrical equipment can be fitted to suit either single or three phase supply, full particulars of current supply should be given with enquiries and orders.

STANDARD EQUIPMENT

Equipment includes Two Knife Safety Type Cutterblock fitted with one pair of Planer Cutters, Cutter Setting Equipment, Two-speed Gear Box, Anti-kickback fingers, guards, belts, spanners, motor, control gear, and a dust hood for fitting over surfacing tables when thicknessing.

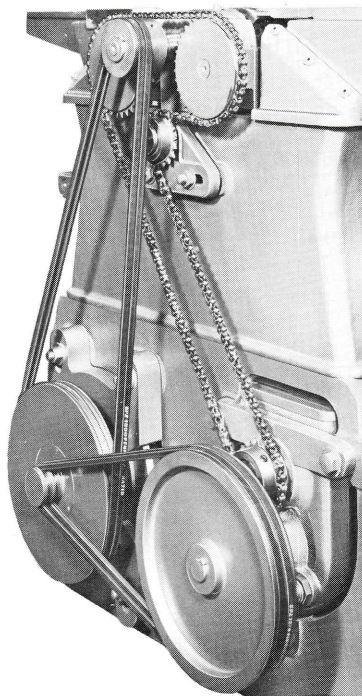


Illustration above shows two rear guards removed giving easy access to feed and cutterblock drives. The drive to the cutterblock is by twin space-saver vee belts. The chain drive to the feed passes over the chain tensioning sprocket and is driven direct from the gear box.

ATTACHMENTS

Top and Side Pressure Spring for use when rebating on surfacer tables. Isolator fitted and wired to machine Extension roller stands.

COMBINED SURFACING AND THICKNESSING MACHINE

TYPE 12in × 7in (300mm × 180mm) 'E.S.'

STANDARD EQUIPMENT includes 2 knife safety type cutterblock with 1 pair planer cutters fitted. Cutter setting equipment. 2 speed gear box. Anti-kickback fingers, guards, belts, spanners, motor, control gear. Dust hood guard for thicknessing.

OPTIONAL EQUIPMENT includes Top and side pressure spring for rebating on surfacing tables. Isolator fitted and wired to machine. Extension roller stand.

SPECIFICATION

THICKNESSING CAPACITY	12 $\frac{1}{8}$ " × 7"	303 × 180mm
SURFACING CAPACITY	12 $\frac{5}{16}$ "	307mm
MAXIMUM DEPTH OF CUT ON SURFACER	$\frac{5}{8}$ "	16mm
MAXIMUM DEPTH OF REBATE	$\frac{1}{2}$ "	13mm
LENGTH OF SURFACING TABLES OVERALL	48"	1220mm
LENGTH OF THICKNESSING TABLE	24"	610mm
FENCE SIZE	30" × 4 $\frac{1}{2}$ "	760 × 110mm
FENCE CANTS	45°	45°
CUTTING CIRCLE DIAMETER OF CUTTERBLOCK	4 $\frac{1}{8}$ "	103mm
SPEED OF CUTTERBLOCK	5000rpm	5000rpm
NUMBER OF CUTTERS	2	2
DIAMETER OF FEED ROLLERS	2"	50mm
FEED SPEEDS	15 and 30ft/min	5 and 9m/min
HORSE POWER OF MOTOR	3 h.p.	2.2 kw
HEIGHT OF SURFACING TABLES FROM FLOOR	34"	863mm
FLOOR SPACE: LENGTH	48"	1220mm
WIDTH (with fence and guard at extremities)	49"	1245mm
HEIGHT	40"	1016mm

Machine	Code	Nett Weight	Gross Weight	Case Size
12 × 7 ES	STES	11cwt 2qrs – 585kg	13cwt 2qrs – 685kg	44.8ft ³ – 1.25m ³

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

Dominion Machinery Co. Ltd.,

Hipperholme Halifax HX3 8JG England.

Telephone 0422 202258/9
Telex. 517095