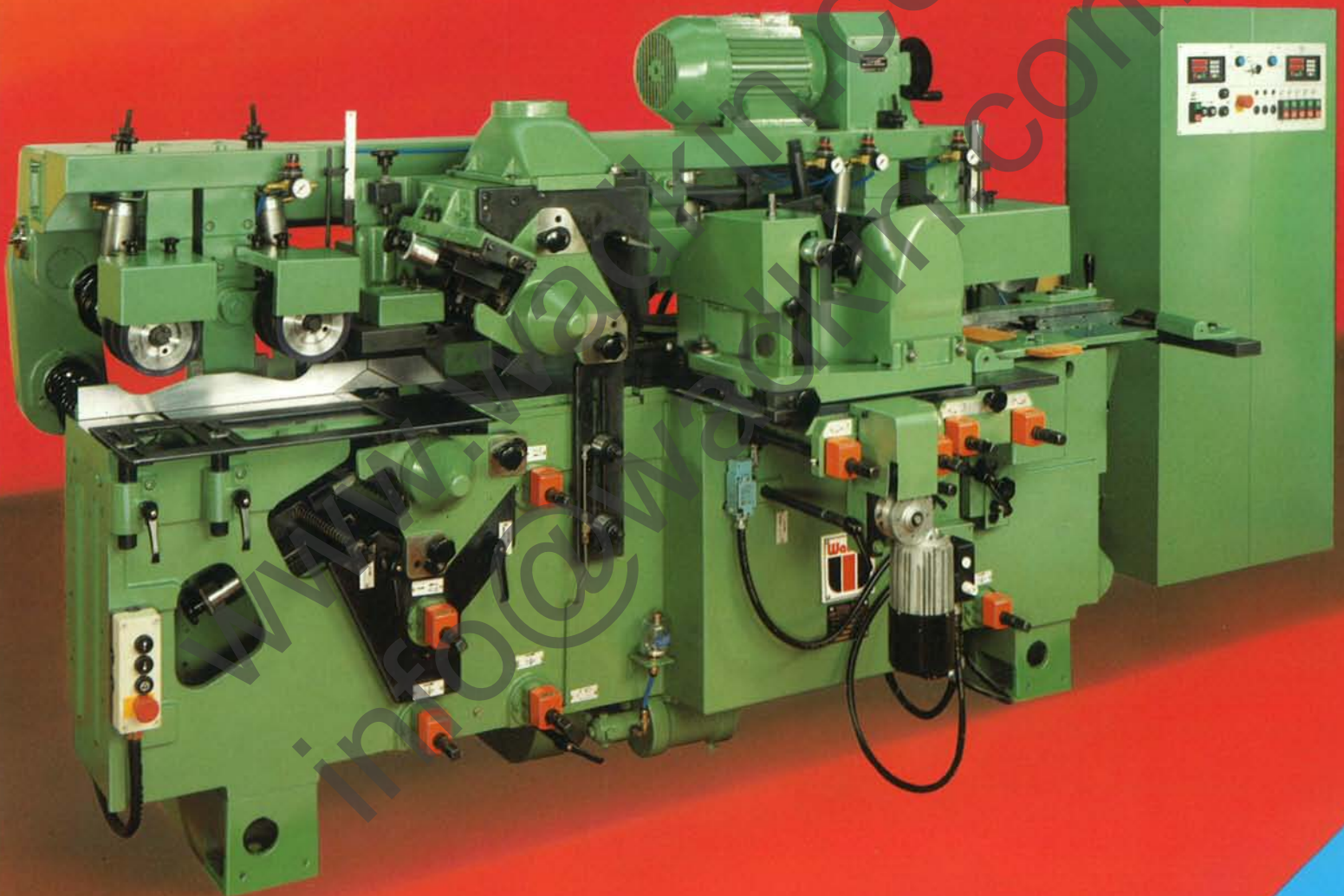




XE 220 SERIES

THROUGHFEED PLANER MOULDERS



***New High Performance
Planer Moulder***

HIGH PERFORMANCE PLANER MOULDER

VERSATILITY AND SUPERB SURFACE



The XE 220 Series has been designed as a high performance planer and moulder, especially developed for quick setting up and easy operation for short to medium batch production.

Superior Design

The XE 220 Series is based on the successful XJ220 Series from Wadkin and includes all the latest specifications with large cutting circles, precision spindles, heavy duty motors, full cast iron construction, hydro outboard bearings to the horizontal heads and radial action chipbreakers.

Built to last

Designed for maximum output and least setting up, built to exacting standards, using the most modern up to date equipment and technology. Wadkin factories use the best skills and machinery available. Your XE 220 is truly built to last.

Technical advice

To ensure the correct solution to a particular production need, typical jobs can be proved with our technicians in our permanent Demonstration Centre at Leicester under operating conditions.

Shaft driven feed system

Reliable shaft driven feedworks for the positive handling of timber under every application and condition – powered rise and fall to feedworks and all top pressures, pneumatic loading to all top driven feed rolls, spring loaded idle rollers, above fence side head position, solid side pressures and guides, together with top head power rise and fall with clutches to the top heads for independent movement. The feed is driven from a powerful 11 kW (15 H.P.) variable cone pulley system with easily read gauge. Each model features a pneumatically loaded outfeed driven roller (except universal).



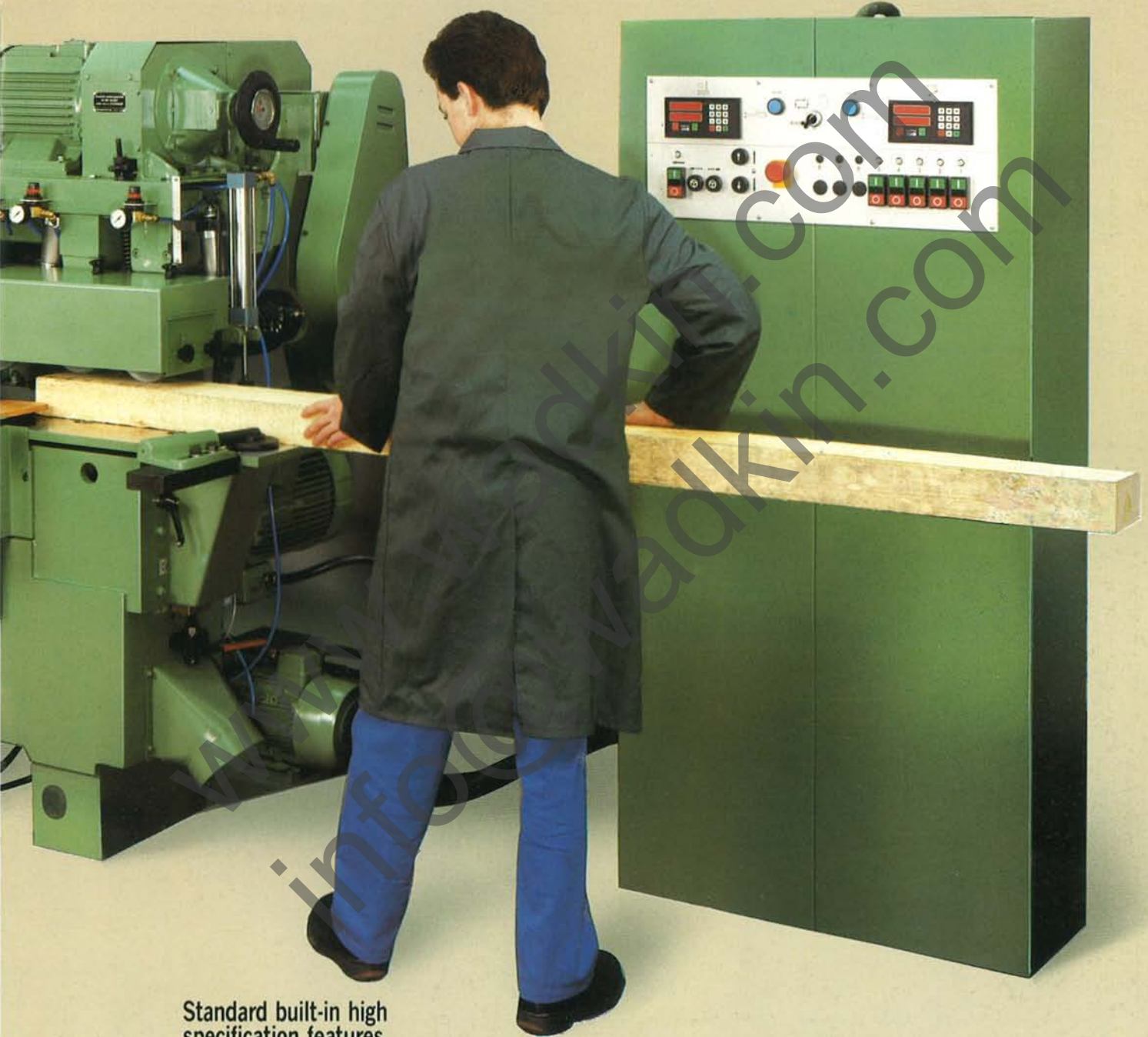
XE 220 Moulder

Optional "Profile Cartridge" Jointing System

The latest in design, "profile Cartridge" jointers are fitted to the Wadkin XE220. This unique system allows the position of the stone to be set prior to fitting into the machine jointer. This reduces down time and improves setting up accuracy. Indexing in of the profile stone can accurately be achieved by using the micrometer scale. This will give more finer joints between re-grinds. The stone can be wound away from the knife after jointing to keep it clear of chip damage. Straight jointing can be achieved by either screw traverse or indexing in a wide stone.

**BUILDERS THAT GIVE
FINISH**

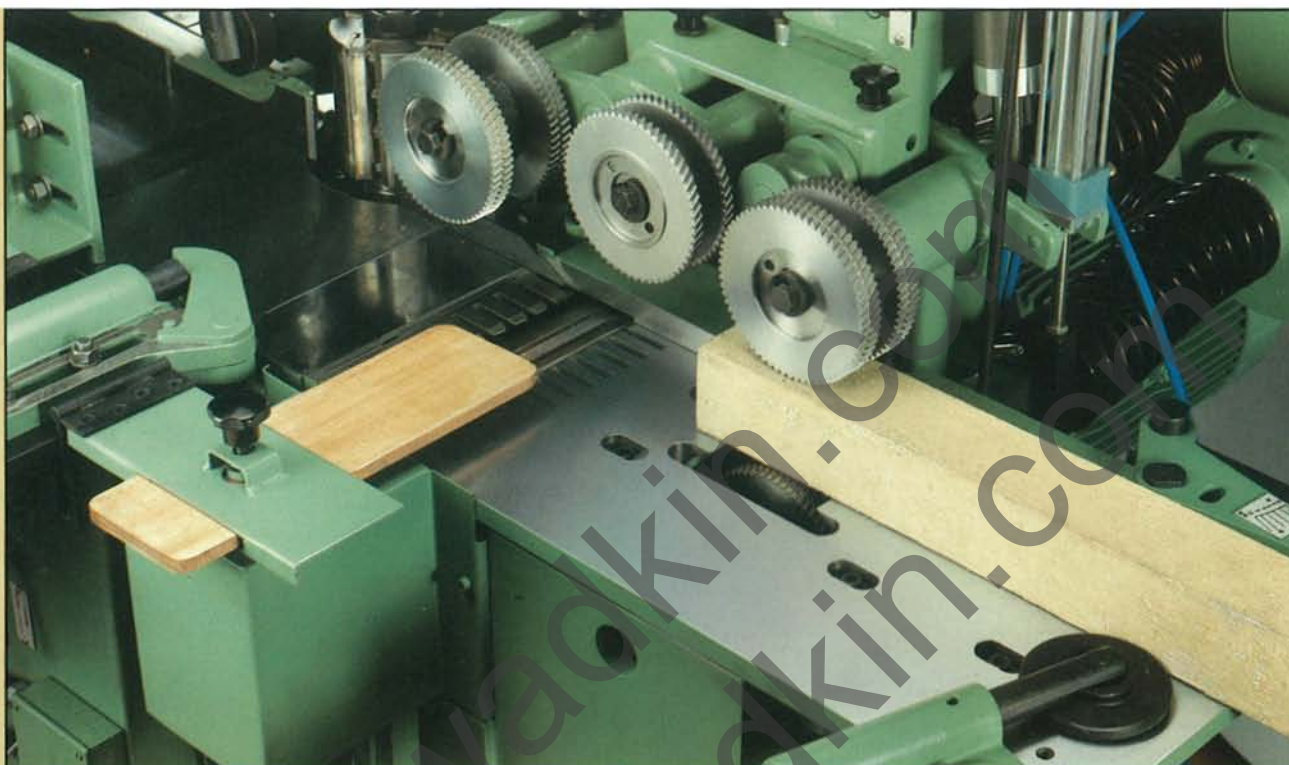
XE220 SERIES



**Standard built-in high
specification features**

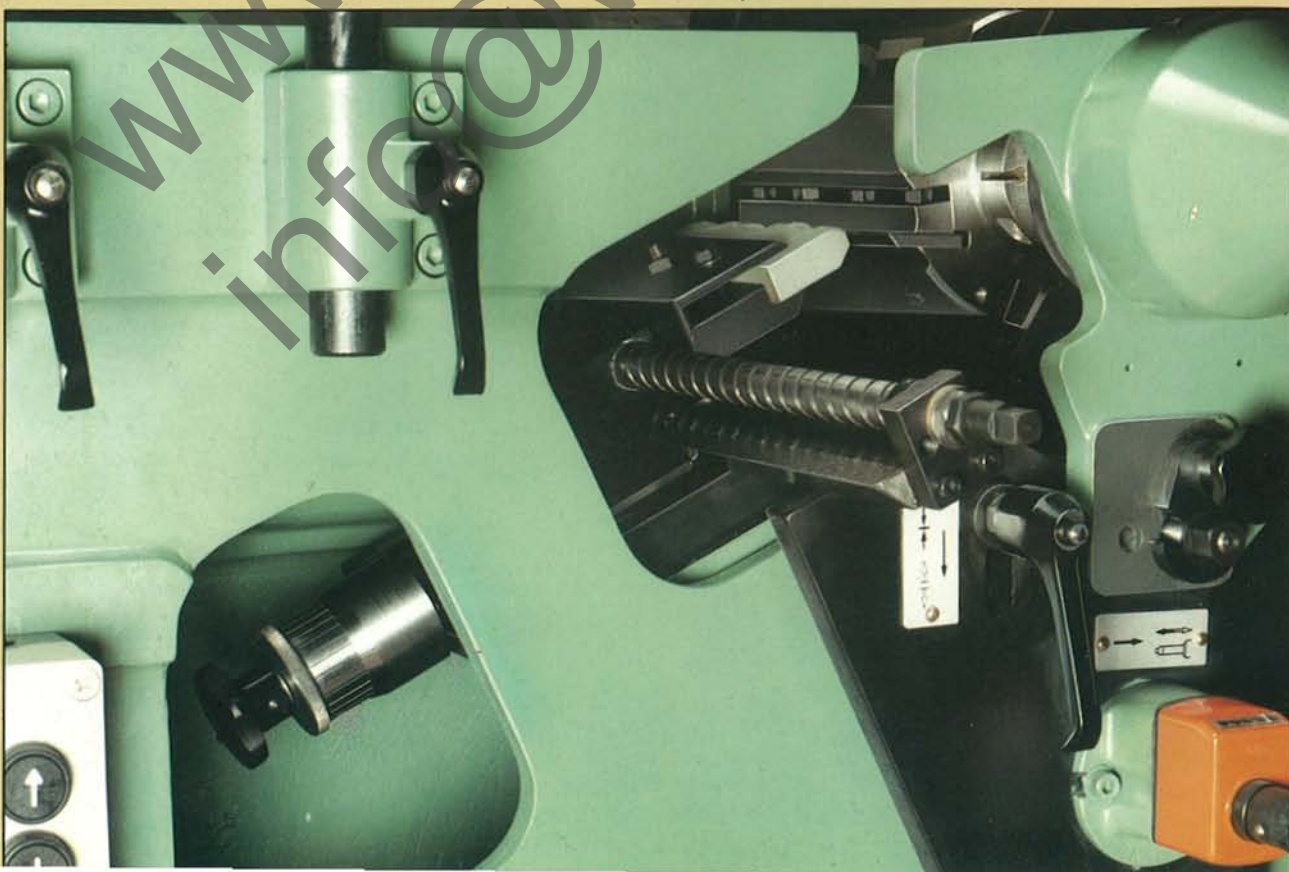
- Hard chrome plated bed
- Full cardan shaft drive
- Radial action chipbreakers to all top and nearside heads
- Large cutting circles to all heads
- 6000 r.p.m. standard but 4500 and 9000 r.p.m. available through 2 speed motors to give greater versatility on batch production
- Multi vee belt drive to all spindles

HIGH PERFORMANCE BUILT-IN AN



△ Three roll infeed with optional pneumatically linked driven infeed bedroll (standard idle) Ideal for all sawmilling and strip moulding applications.

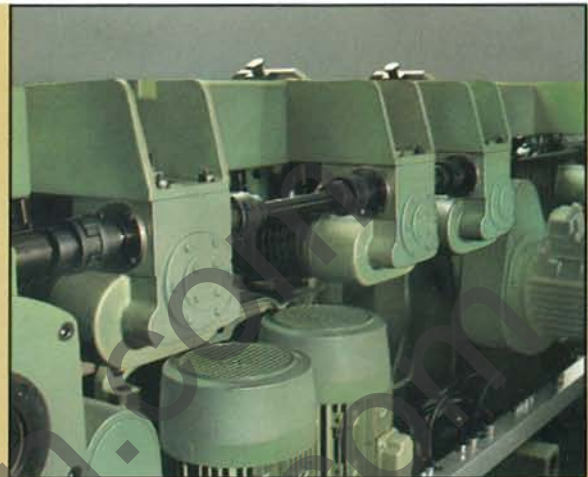
▽ Optional "profile cartridge" jointers reduce downtime when used with the Wadkin profiling and datum system. Micrometer scale enables accurate jointing to a dead stop. Straight jointing can be by traverse or accurately indexing in a wide straight stone.



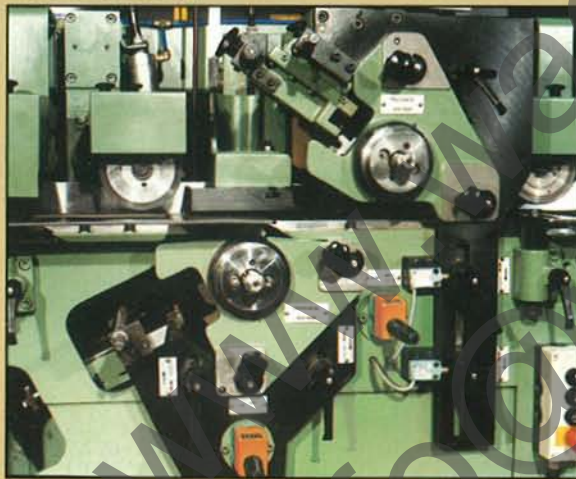
OPTIONAL FEATURES



△ When straightening is required, there is a choice of either 2 or 2.5m straightening table, giving high accuracy on cut length components. (Optional extra available is a pneumatically linked infeed driven bed roll).

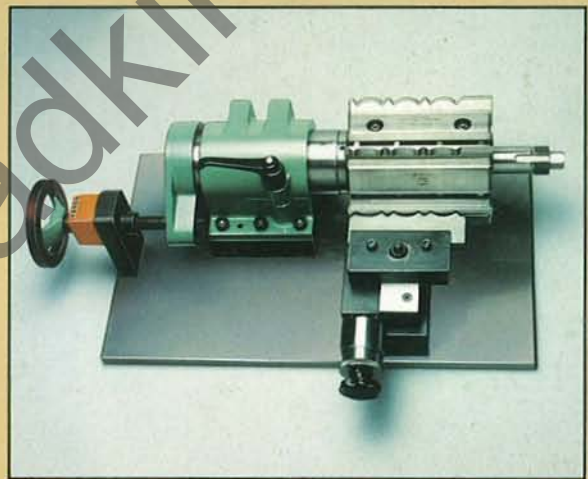


△ Standard shaft drive to the feed rolls for trouble free high performance and minimum maintenance.



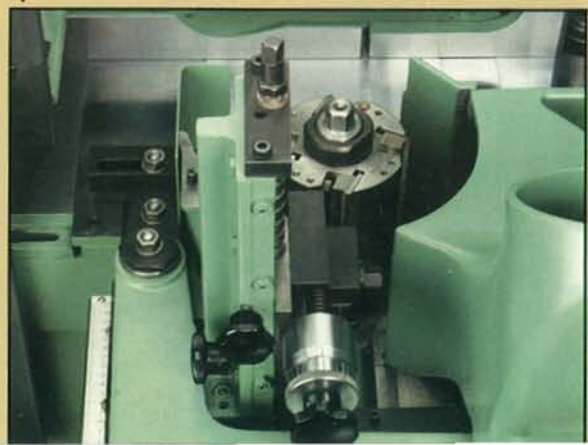
△ Optional built-in combined straight and profile jointers coupled with the standard hydro outboard bearings, enabling the use of true multi-knife finishes without sacrificing the quick set up benefits by use of the new "profile cartridge" system.

Standard sectional top radial action chipbreakers are fitted to the XE220 moulders giving precise control, close to the cutting action without the need to allow for timber thickness.



△ A beneficial option is the Wadkin jinter stone profiling and a datum system. This system accurately profiles the stone and provides an accurate position for the "profile cartridge" jointer to reduce setting inaccuracies and downtime.

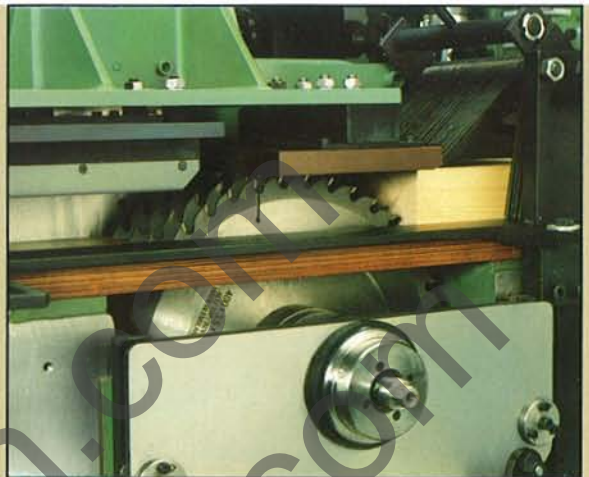
Standard radial action chip breaker to near side head. Positions with pad pressure, side pressure roller. Fenceside and nearside head bed plates adjustable to cutting circle by screw movement.



OPTIONAL EQUIPMENT FOR YOUR XE220



△ Electronic 'Dial-a-Size' giving quick and accurate positioning to the top and nearside heads, when small batches of a large variety of sizes are required, including automatic hydraulic slide locks.



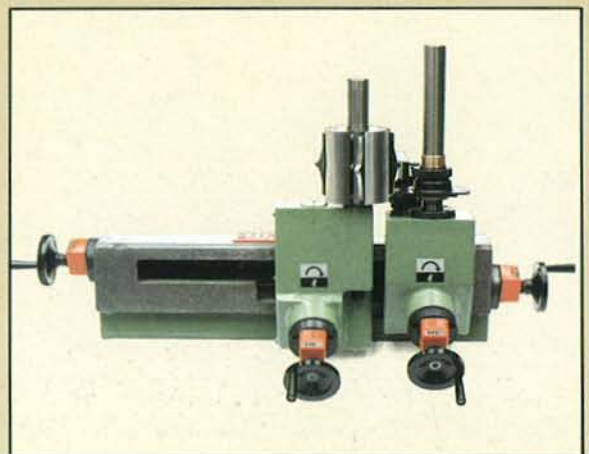
△ Unit 'G' splitting head with heavy duty 50mm diameter keyed spindle with a plain-bore outboard for easier axial adjustment. Heavy duty toothed belt drive with motor power of up to 100 HP available. Riving knife guides and top pad pressure. Anti-kick back device.

Close fitting G.R.P. sound enclosure, complete with lighting and all internal dust connections giving a very effective control of the working environment. ▽

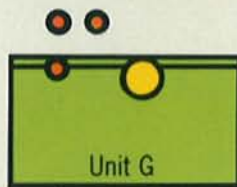
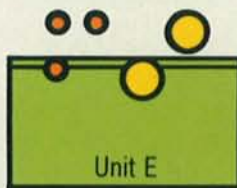


Optional digital readouts can be fitted to the radial and axial adjustments of each spindle to enable quick and accurate set-ups to be achieved easily especially when used with the Wadkin R.D.T. setting systems (CRS, CASS and CAMMSET systems). ▽

CRS Cutter Reference System. Accurately calibrated mechanical setting system for providing horizontal and vertical head positioning references to enable any type of cutting medium to be accurately positioned on a machine spindle equipped with mechanical digital readouts. ▽



Choice of Units to meet your Production Requirements



2m or 2.5m straightening table with top driven roller and first bottom head. (Pneumatically linked driven action roller available as an option)



Short infeed with three roll infeed and first bottom head (Idle bottom roll) (Pneumatically linked driven bottom roller available as an option)

Position Universal Head

SPECIFICATIONS

Maximum size of timber admitted	230mm × 130mm	Hydrogrip Outboard bearings –	standard to all horizontal heads
Maximum size of finished timber	220mm × 120mm*	Spindle diameter	– standard plain 40mm – optional plain 50mm and 1 13/16"
Feed speed	6 – 42 m/min by variable cone pulley	Head motors –	standard (all heads) 4kW (5½HP)
Feed system	Full cardan shaft drive	Optional	(all heads) 5.5, 7.5 + 11kW 7½, 10 + 15HP)
Feed motor	11kW (15 HP)	1st top, 2nd top and 2nd bottom –	15 + 18.75 kW (20 + 25HP)
Feed rollers	140mm diameter flush mounted	Cutting circle diameters –	
Feed rollers per station	2 × 20mm, 1 × 10mm	40mm spindle min-max	
Infeed straightening table –		first bottom head + universal	– 125mm – 180mm
Optional without driven bed roller	2m or 2.5m	Fence side & nearside	– 125mm – 205mm
Optional with driven bed roller	2m or 2.5m	Top and bottom heads	
Maximum straightening	10mm	(but excluding 1st bottom)	125mm – 250mm
Bed height	850mm	50mm spindle min max	
Spindle speed –	Standard 6000 rev/min	first bottom head + universal	140mm – 180mm
Optional 2 speed	4500/9000 r.p.m.	Fence side + nearside	140mm – 205mm
Precision spindles –	standard all heads heavy duty twin angular contact precision bearings	Top and bottom heads	
		(but excluding 1st bottom)	140mm – 250mm
* With maximum 140mm diameter cutting circle			

As our policy is to constantly improve design, the details given in the leaflet are not to be regarded as binding.

Certain illustrations show guarding removed for clarity.



Part of the Demonstration Centre at Wadkin p.l.c. Leicester, where it is possible to see the Wadkin range of machines operating, and if necessary, producing to your machining requirements under operating conditions. The Demonstration Centre is staffed by woodworking people, whose advice and general help are readily available to ensure the correct solution to a particular production need.



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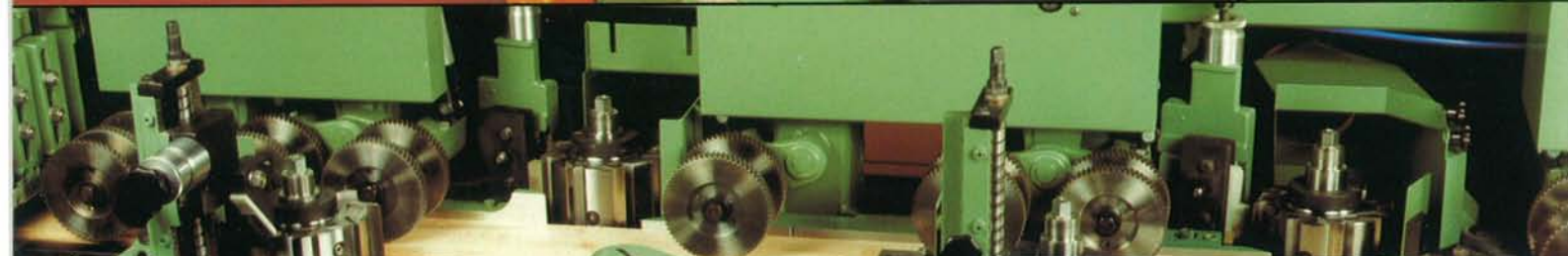
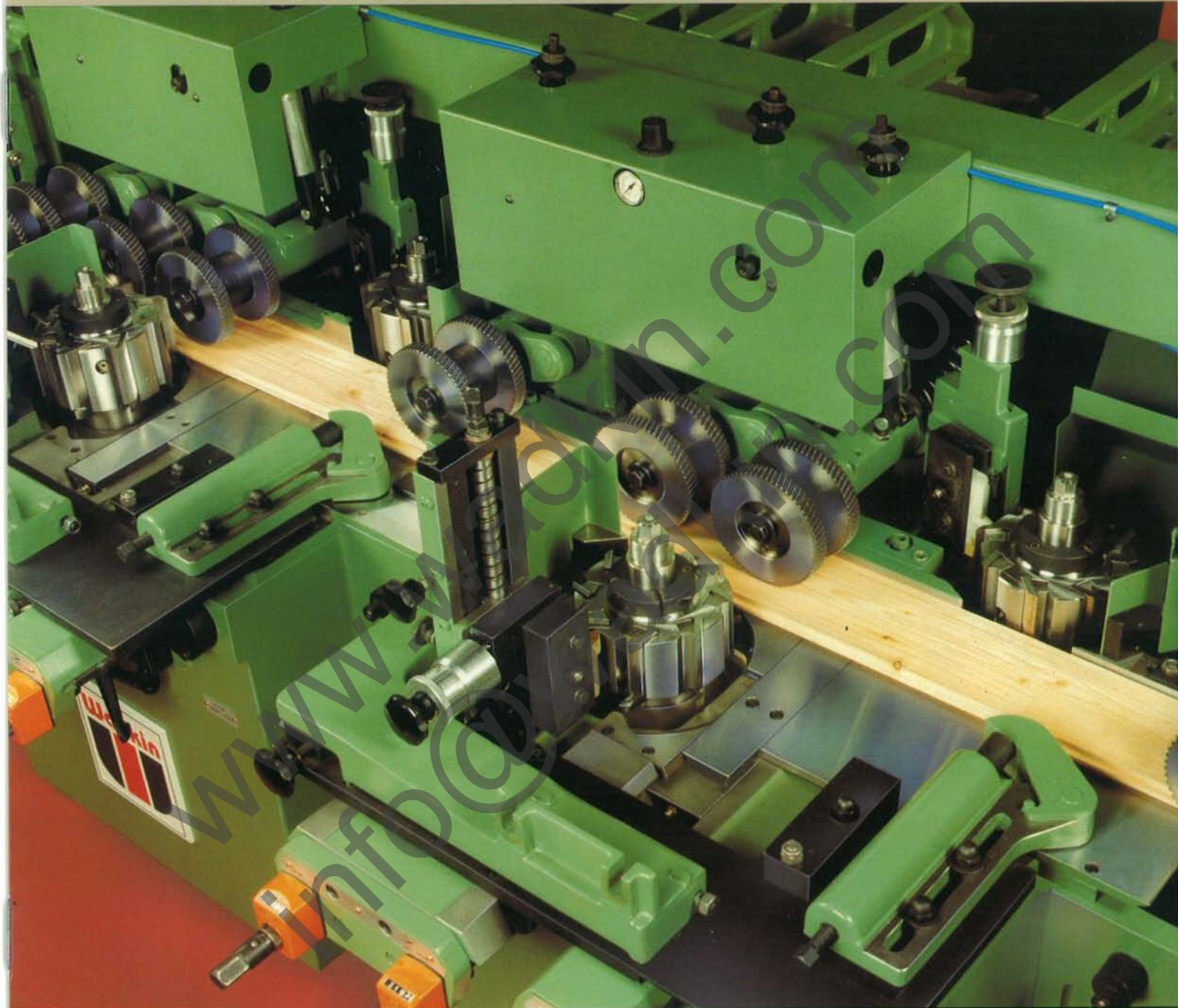
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A Division of Wadkin plc



SUPER XJ/S 220 SERIES HIGH SPEED PLANER MOULDERS



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BREAKING THE BARRIERS TO FASTER PRODUCTIVITY

With the ever growing need for increased productivity, economies of scale and reduction in costs, you need to plan your investments carefully.

Matching

Over 50 years of experience in the manufacture of your product . . .

. . . With the very latest in Planing Mill Technology.

- ▷ Wadkin have a team of highly qualified experts to understand your specific needs.
- ▷ Modern CAD facilities enabling flexible solutions to be proposed quickly to your individual requirements.
- ▷ Our expertise also extends to the supply of ancillary equipment from individual fast feed tables to complete production lines.

