



# *XR 130 SERIES*

## *ULTRA HIGH SPEED MOULDERS*



**HIGHEST  
QUALITY  
FINISH**

# GUARANTEED SINGLE KNIFE FINISH AT TECHNOLOGY IN ACTION



The XR 130 has been manufactured to the highest standards of technological development, producing a unique, ultra high spindle speed Planer Moulder for the smoothest quality single knife finish available.

Wadkin renowned the world over for its diversity and expertise in woodworking machinery called on its wealth of 'Know How' to produce the ideal solution in the XR 130.

The high precision quality spindles enable speeds of up to 15000 rev/min. for perfect moulding to be achieved. Combine this with a specially developed staggered segmental, hydraulically clamped tooling system and the XR 130 is a world leader in Moulder technology.

So where a super fine finish is required, the Wadkin XR 130 is setting new standards in joinery, furniture and general moulding applications.

Due to the high speed of the spindles, difficult cross grain and short grain in hardwood is smoothly finished and not torn. Live softwood knots are perfectly finished and dead whitewood knots are machined in position and not plucked out. The Wadkin XR Series are the only machines to produce an excellent surface finish on M.D.F. (Medium Density Fibreboard) at up to 42 m/min with a single knife finish. Feed speeds can be obtained that only jointing of the knives could previously achieve. The unique two knife Wadkin cutterblocks ensure a perfect component finish and accuracy, guaranteed.

The XR 130 without the need for jointing offers increased machine utilisation and the Wadkin guarantee of sharpness with a true single knife finish. The ultra high speed of the knife edge (120 m/sec compared to 40 m/sec standard) guarantees a clean cut grain and not torn. Sanding is usually no longer required.

The unique two knife tooling is simple and cost effective to maintain. No multiknife grinding to absolute minimum tolerance for 'multiknife' and jointed finishes.

- Increased output up to 2½ times for a given wave pitch.
- Increased machine utilisation through elimination of jointing set-up times.
- Superb surface finish from ultra-high speed machining velocity (120m/sec compared to 40m/sec standard).
- High quality surface texture through use of sharp cutters (i.e. non-jointed).
- No need of costly profile sanding.
- Superior tooling.

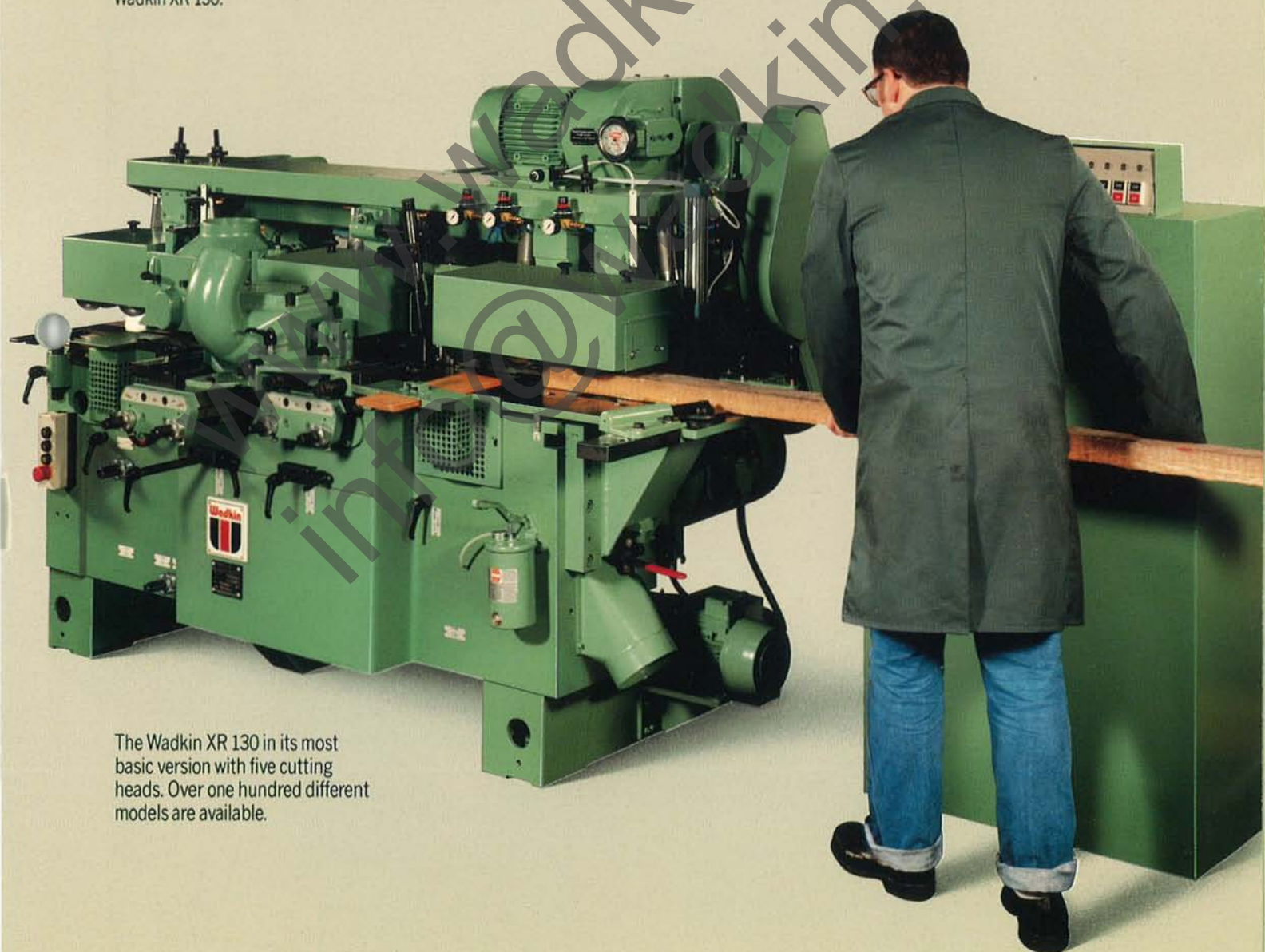
# THE HIGHEST SPEEDS— *XR 130* SERIES



△ "The Wadkin Touch" makes all the difference: you only need to touch the super fine finish to know that it was produced on a Wadkin XR 130.

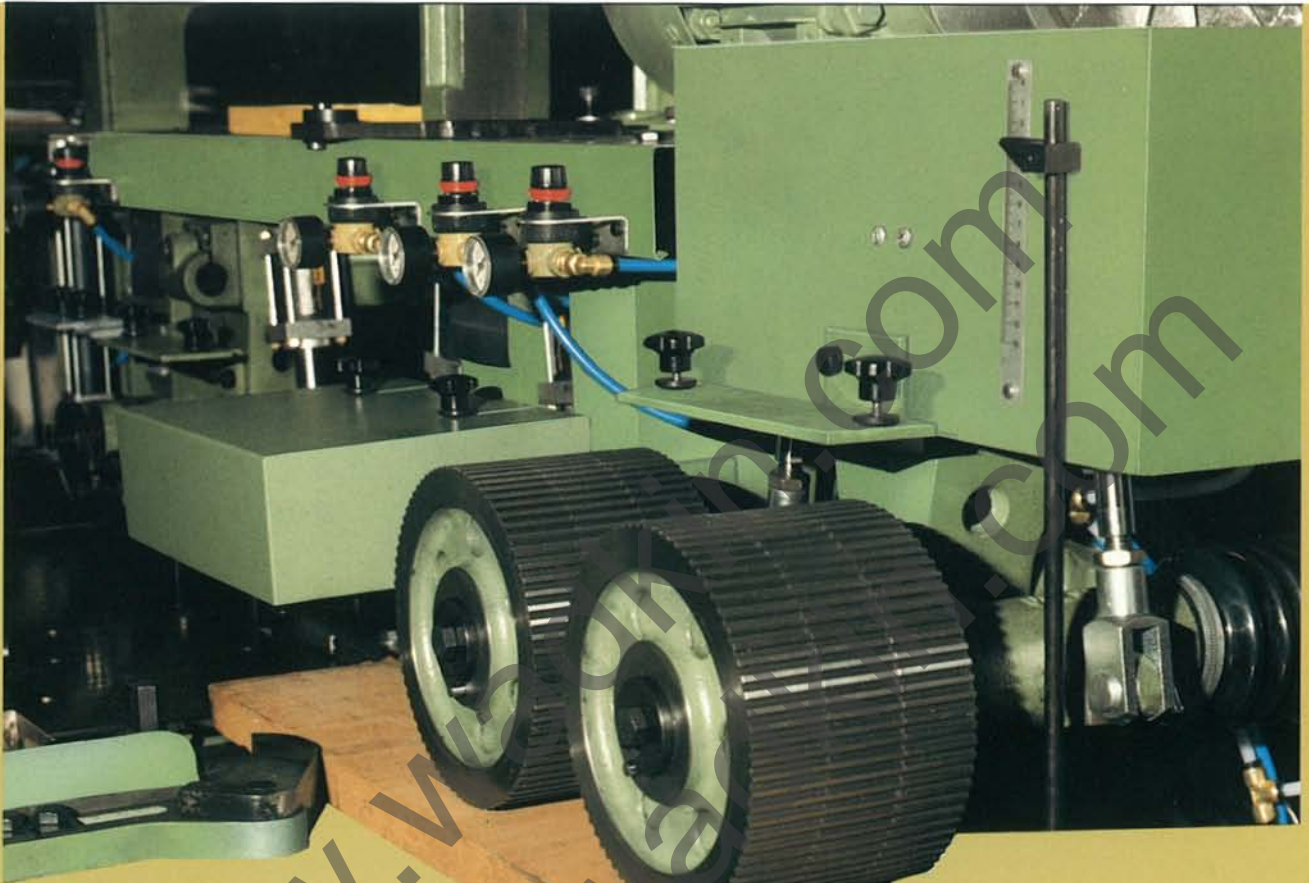


△ Wadkin Tooling's unique staggered segmental tooling system guarantees a super fine finish every time.



The Wadkin XR 130 in its most basic version with five cutting heads. Over one hundred different models are available.

# UNIQUE HIGH SPEED SINGLE KNIFE FINISH ELIMINATES JOINTING



△  
The Wadkin Heavy Duty Four Roll Push Feed works. Available as an option to feed the most difficult of timbers. Each roller is independently pneumatically loaded to give maximum traction.

The 2 metre or 2.5 metre straightening table is available for applications that require perfect straightening.

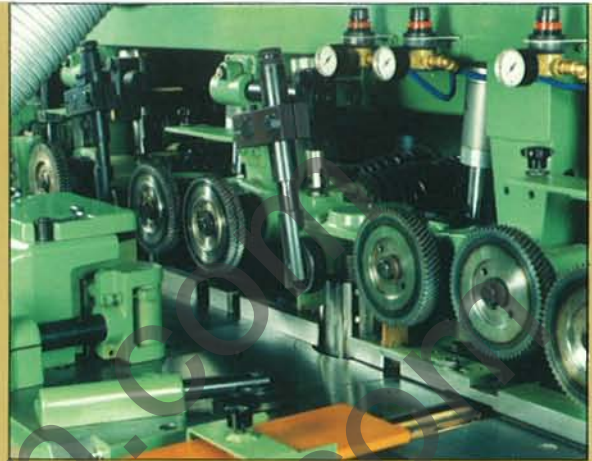


An aid to quick setting up, are the optional mechanical digital readouts which, when used in conjunction with the Wadkin R.D.T. systems, save considerable downtime.





△ The optional 3 and 4 position universal heads allow complete moulding flexibility (can be fitted at a later date if required).

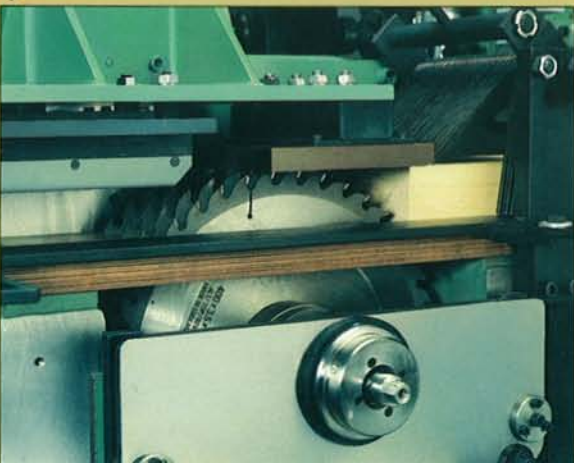


△ Flush mounted feed rollers fully interchangeable throughout the machine allow greater accessibility and quicker change overs. Pneumatic pressure to the feed rollers for easier feeding when excessive thickness variation is experienced.



△ Axial and lateral adjustments to horizontal heads fitted with optional digital readouts for accurate rapid setting.

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.

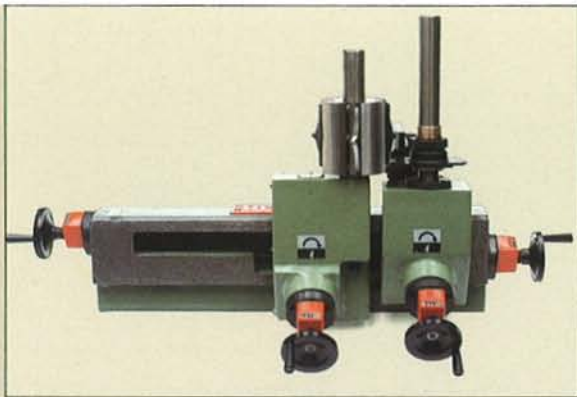


△ The unique Wadkin Air Bed for positive feeding where lubrication staining is not acceptable e.g. furniture components or materials requiring a lacquering process.

Electronic positioning of top and nearside head for accurate extra quick setting up. (available as dial-a-size or with pre-set 99 position memory).



# OPTIONAL EQUIPMENT FOR YOUR XR130



△ 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. Another member of the Wadkin R.D.T. family.



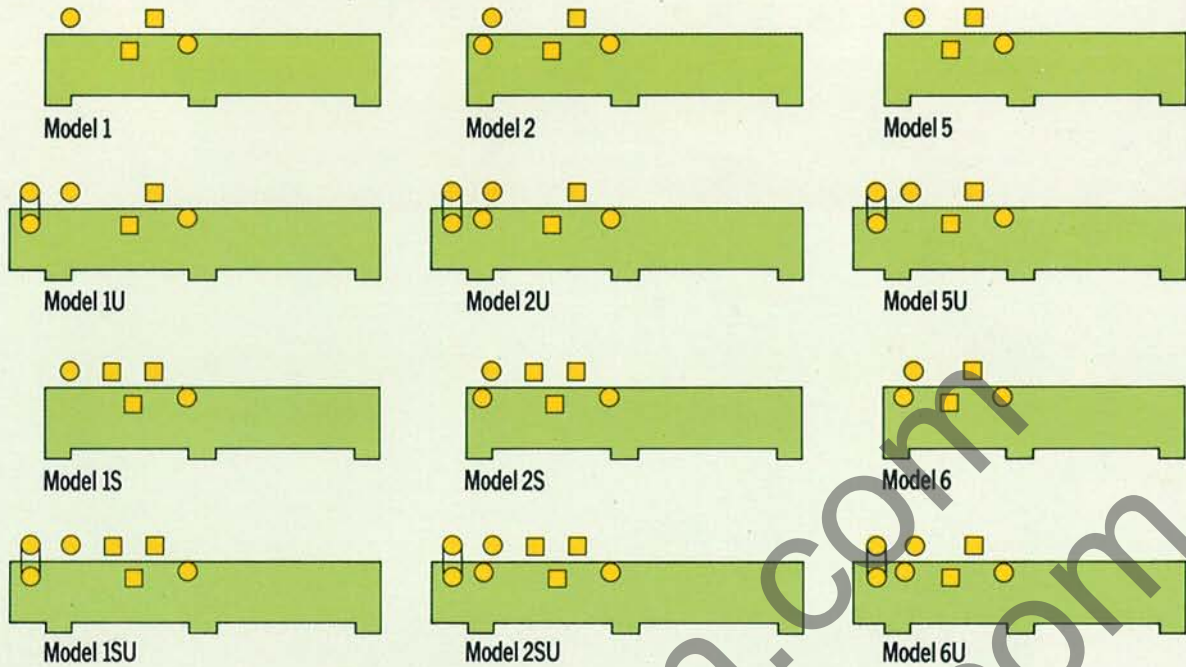
△ Wadkin Cammset. The unit displays details to the operator of cutter block identification and spindle position when the axis button is depressed. This ensures rapid, accurate positioning. Another member of the Wadkin R.D.T. family.

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



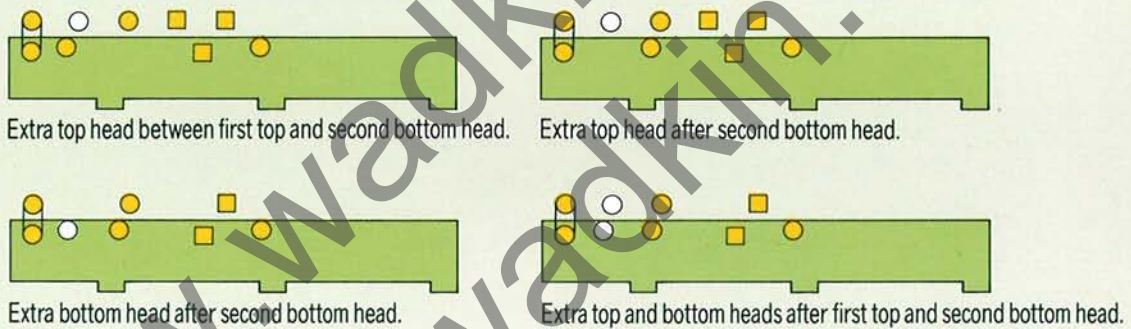
## Standard Machines

Standard machines are available with the following fixed head sequences. Some models have added capacity for retrofitting of additional heads.



## Options

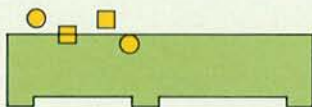
Four additional optional head arrangements are offered to extend the capability of any of the above standard models still further.



Further optional head sequence, contains a pre-dressing unit that can pre-plane and dimension timber before being presented to the finishing heads to extend finishing head life and finish.

170mm, 220mm and 254mm width capacities can be achieved using these units with conventional tooling at standard spindle speed.

All of this can be achieved in one pass.



Pre-dressing unit

Most combinations of heads up to a maximum of 10 are possible with the Wadkin XR Series.

Three different types of infeed systems are available to suit any application:

1. Heavy Duty Four Roll Push Feed (with 200mm diameter Feed Rollers).
2. 2 metre or 2.5 metre straightening tables.
3. Short Infeed Table.

Note: 2 and 3 can have a pneumatically linked, driven Table Roller to enhance feeding performance.



# SPECIFICATIONS

## STANDARD WADKIN XR130 SPECIFICATION:

Maximum size of timber admitted	140mm x 110mm
Maximum size of finished timber	130mm x 100mm
Feed speed — full variable	7-42m/min
Feed Motor — Standard	7.5KW (10 HP)
— Optional	11KW (15 HP)
Feed Rollers — Diameter	140mm
— Type	Hardened steel up to top head. Polyurethane after top head.
Polyurethane Width	20mm (Three per station)
Steel Width	20mm and 10mm (2 x 20 + 1 x 10 per station)
Feed System	Cardan shaft drive with pneumatic loading to Feed Roller
Bed Height	815mm
Spindle Diameter	40mm to Pre-Dressing Spindles
Spindle Diameter	30mm to High Speed Spindles
Spindle Speed	6000 RPM to Pre-Dressing Spindles
Spindle Speed	7500/15000 RPM (Dual Speed) to High Speed Spindles
Head Motors (Standard)	5.5KW (7.5 HP)
(Optional)	7.5KW (10 HP) 11KW (15 HP)
Infeed Straightening Table (Standard)	2 metres
(Optional)	2.5 metres
Maximum Straightening	10mm (To Fence and Bed)
Cutting Circle — minimum	100mm
maximum	195mm (155mm to High Speed Heads)
Maximum Depth of Mould per Head	17.5mm

## OPTIONAL SPECIFICATION

Increased Spindle Speed to Pre-Dressing Heads	7500 RPM 9000 RPM (to 170mm Long Spindles only)
Feedworks Options	Four Roll Push Feed Short In Feed

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.



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