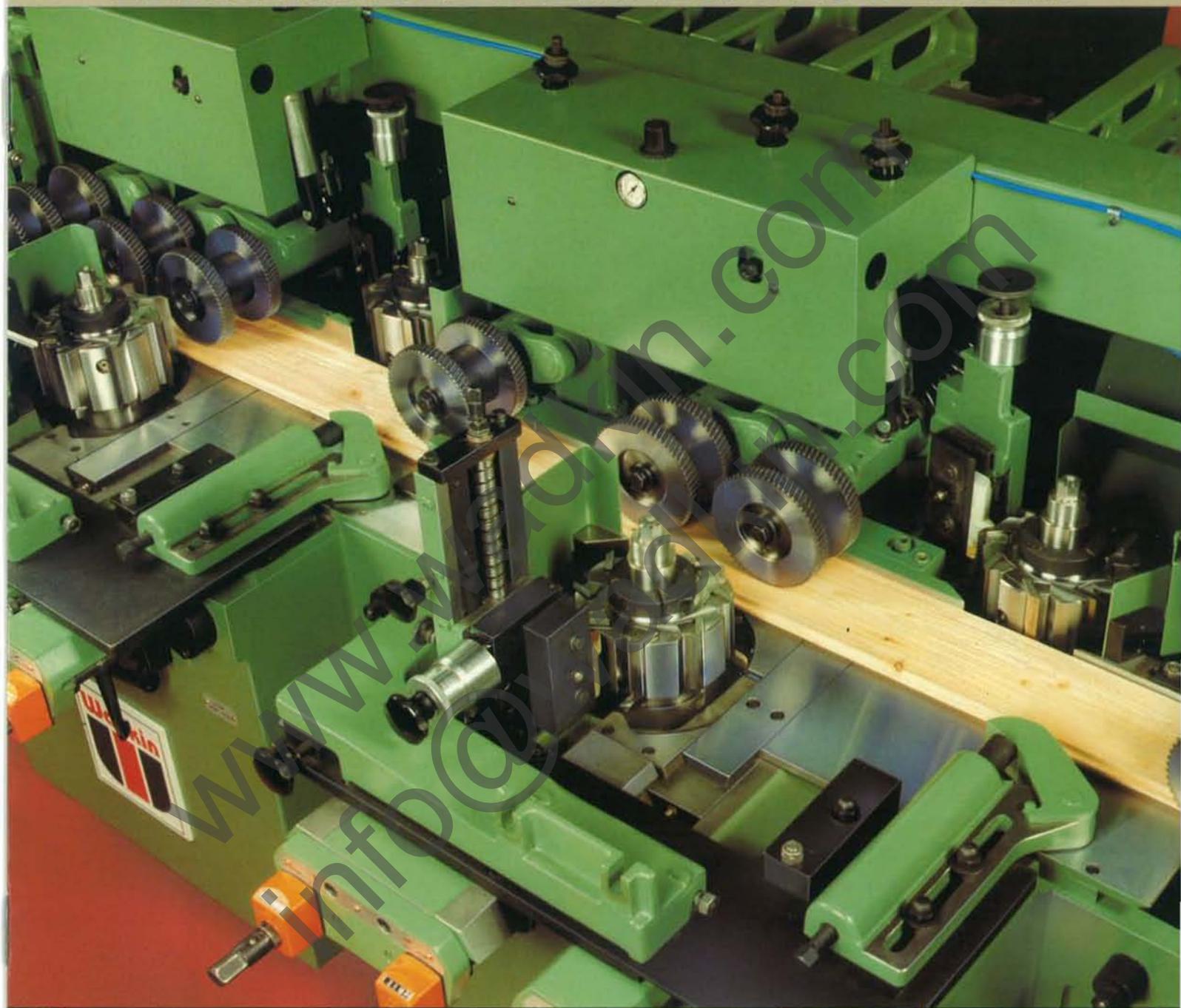




# ***SUPER XJ/S 220 SERIES HIGH SPEED PLANER MOULDERS***



**DALTONS**  
WOODWORKING MACHINES WORLDWIDE

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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.



# THROUGHPUT AND INCREASED



*Wadkin's expertise in tooling, cutter grinding equipment and after sales care ensure that your finished products are produced to give maximum utilisation of your Moulding Machinery with optimum and consistent finish.*



NHP300  
Straight Knife Grinder

R.D.T. Setting System

Computer Aided Setting System

# ***SUPER XJ/S HIGH SPEED***

The Super XJS series has been designed to meet the changing needs and high production requirements of the Planing Mill Industry.

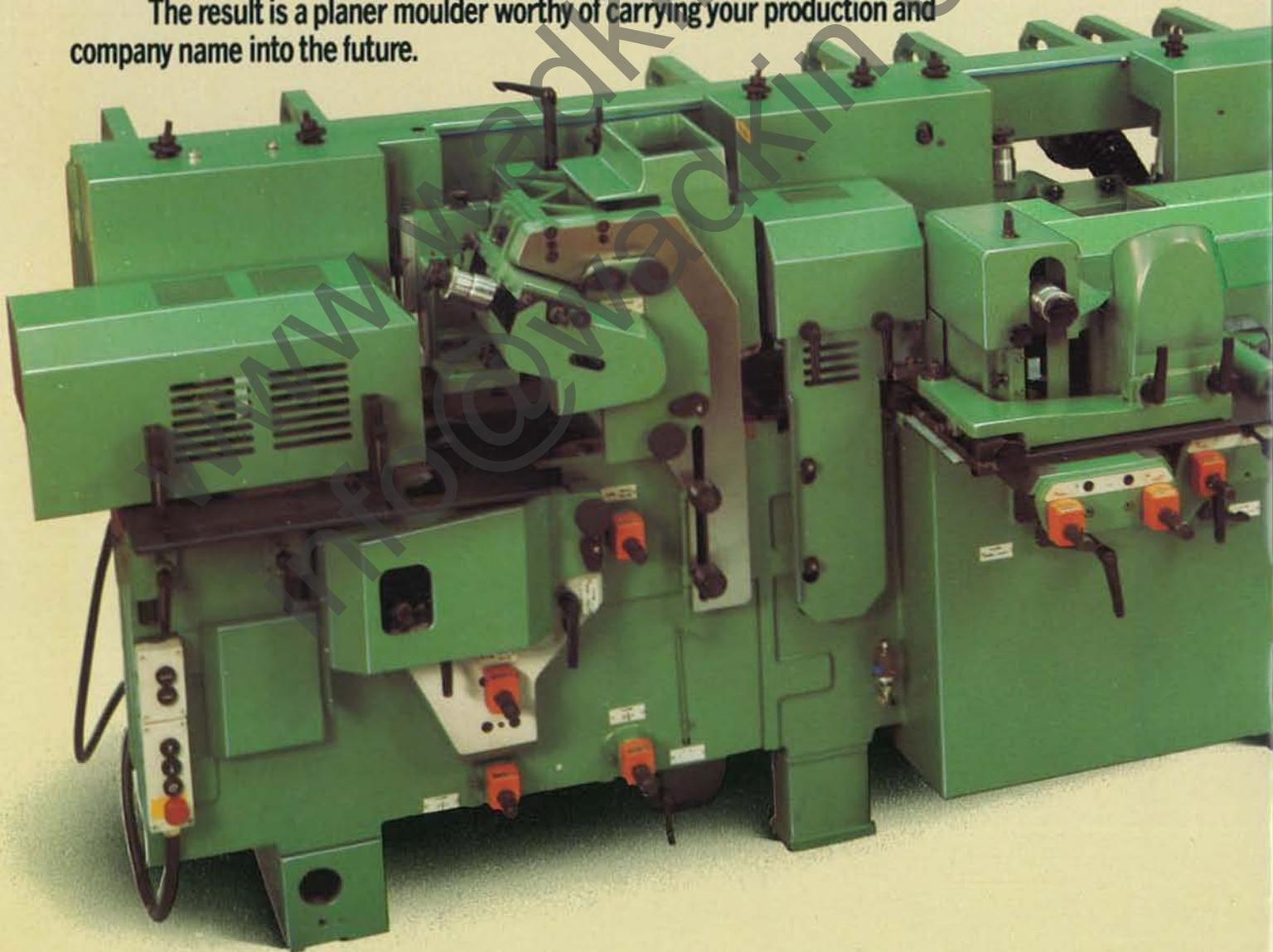
The unique Wadkin heavy duty feedworks combined with driven table rollers throughout the machine ensure positive feeding of timber for your high speed requirements and quality finishing.

Hydro outboard bearings and long life heavy duty super precision spindle assemblies ensure that the new Super XJS will have minimal downtime with the highest quality output.

True radial chipbreakers at side and top heads ensure safety and optimum control at high speeds.

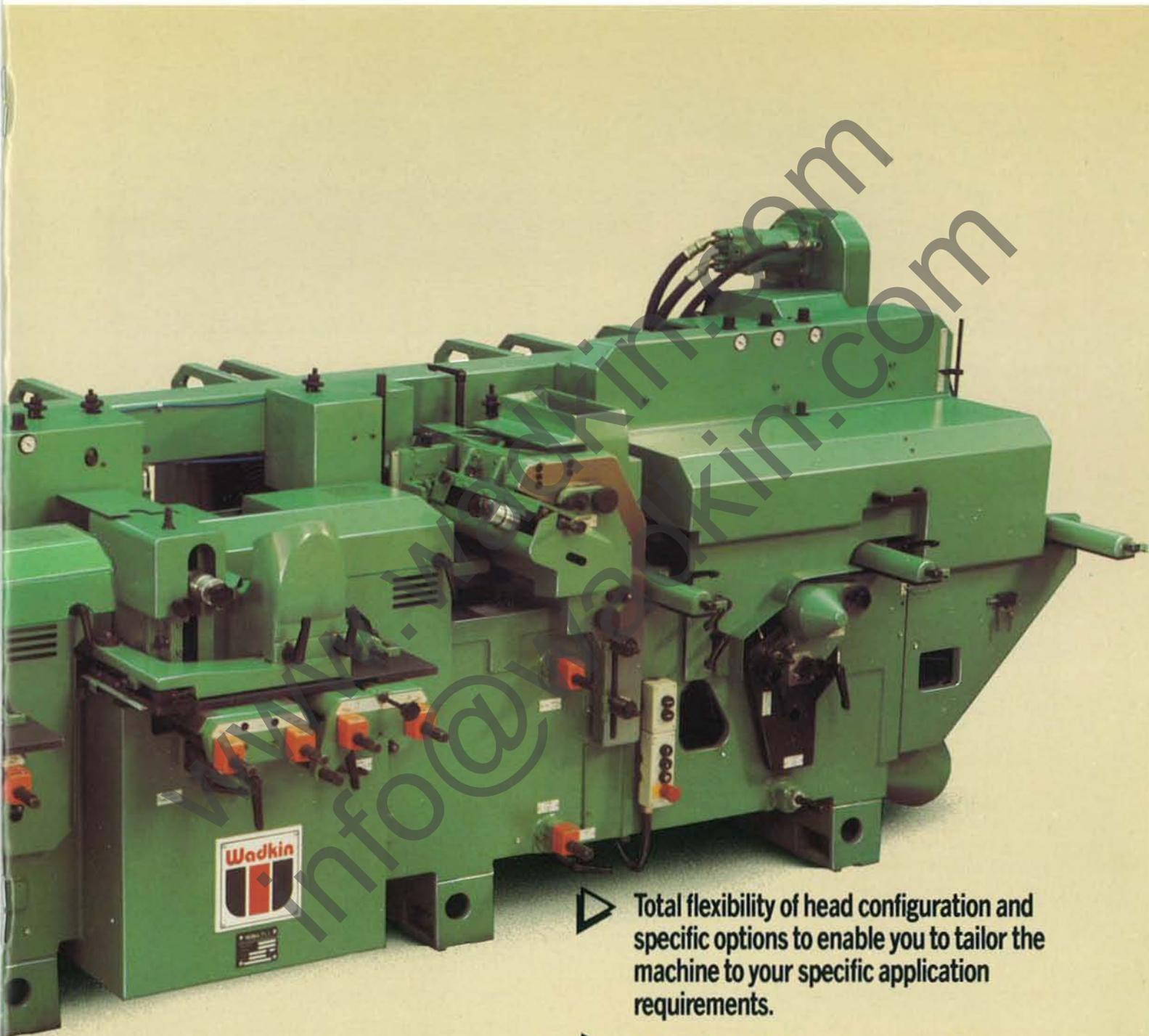
Time is saved in setting up with the built in "cassette type" combined straight and profile jointers to all heads which are all easily adjusted from the front of the machine.

The result is a planer moulder worthy of carrying your production and company name into the future.



# 120 m/min

## PLANING & MOULDING MACHINES



- ▷ High speed production – 120m/min for faster throughput and increased profitability.
- ▷ Positive feeding with integrated push – and throughfeed system for ease of handling even difficult and wet timbers.

- ▷ Total flexibility of head configuration and specific options to enable you to tailor the machine to your specific application requirements.
- ▷ Consistent high quality surface finish.
- ▷ Considerable increase in machine productivity.
- ▷ Fully cast body, solid hard chrome plated bedplates and fences offer durability and accurate machine capability.

# STANDARD AND OPTIONAL FEATURES



△ Extended cutter life and improved finish with the option of pre-relieving heads. Side head bedplates are easily adjustable laterally for varying cutting circles.



△ All heads with the option of combined straight and profile jointing capability.



△ Moulding performance enhanced with close centre, top and bottom head module. True-radial action chipbreaker giving optimum control and ensuring maximum safety.

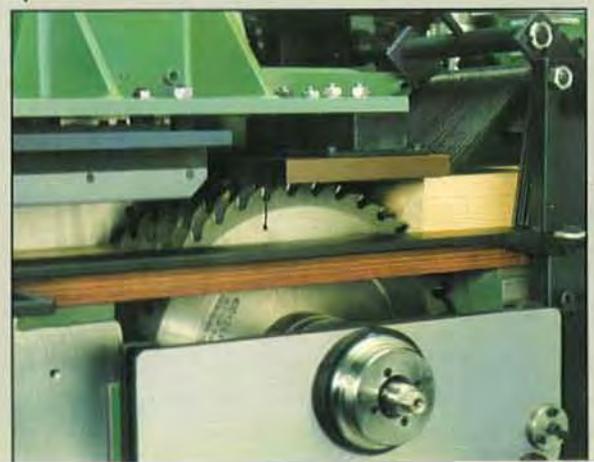


▷ The Wadkin GRP enclosure symbolises continuing commitment to noise reduction.

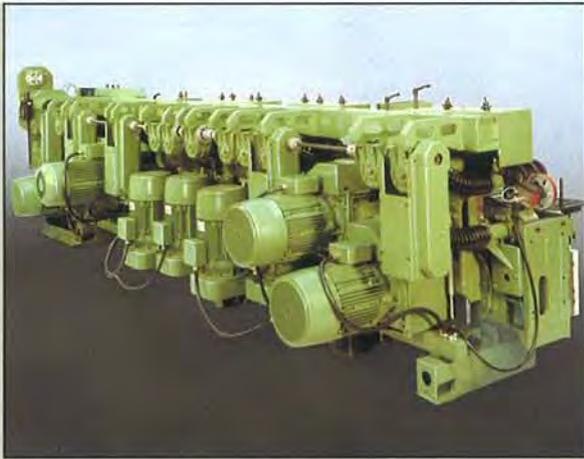
Reduced downtime with dial-a-size through to a fully integrated CNC system.



Multisaw splitting facilities including riving knives and anti-kick back devices illustrated here by the "G" unit give up to 120mm depth of cut.



## SPECIFICATIONS



△ Tailored cutter head configuration and horsepower to meet your specific requirements. Full cardan shaft drive for reduced maintenance.



Latest safety standards are met with all moving parts enclosed for operator protection. ▽



△ Effortless feeding of thin and difficult material up to 120m/min, guaranteed with top and bottom feed rolls throughout the machine.

### CAPACITIES

Maximum size of timber admitted	230x130 mm
Maximum size of finished timber (Using maximum tool diameter 205 mm)	220x120 mm
Minimum size of finished timber (without fast feed table)	15x6 mm

### FEED SYSTEMS

Feed Speed variable from 10–120 m/min with options of hydraulic or mechanical drive.  
Full Cardan Shaft Drive to all Top and Bottom Heads. Feed Rollers are all shaft mounted.

### FEED ROLLS Pneumatically loaded

Heavy duty four roll push feed	2x180 mm diameter above 2x180 mm diameter below
Width per station	3x50 mm Interchangeable
Intermediate Rollers	140 mm diameter Hardened
Width per station	2x20 1x10 Interchangeable
Driven Table Rollers	140 mm diameter Pneumatically loaded upwards

### HIGH PRECISION SPINDLE DETAILS

Spindle Speed	6000 R.P.M.
Spindle Diameter	40mm plain
Optional	50, 1 13/16", ~2 1/8"
Spindle Bearings	Super precision heavy duty spindle.
Spindle barrel mounted in	105mm diameter maintenance free housing.
Hydro outboard bearings standard to all horizontal spindles.	
Axial adjustment of spindle without outboard depressurisation.	

### SPINDLE MOTORS

Standard motor rating	7.5 kW (10 hp) with direct on-line starting.
Optional Motor Rating	
Vertical spindles	11 kW (15 hp) 15 kW (20 hp) 18 kW (25 hp)
Optional Motor Rating	
Horizontal spindles	11 kW (15 hp) 15 kW (20 hp) 18 kW (25 hp) 22 kW (30 hp)

NOTE: Auto star delta starting included on all motors of 11 kW (15 hp) and above.

### CUTTING CIRCLES

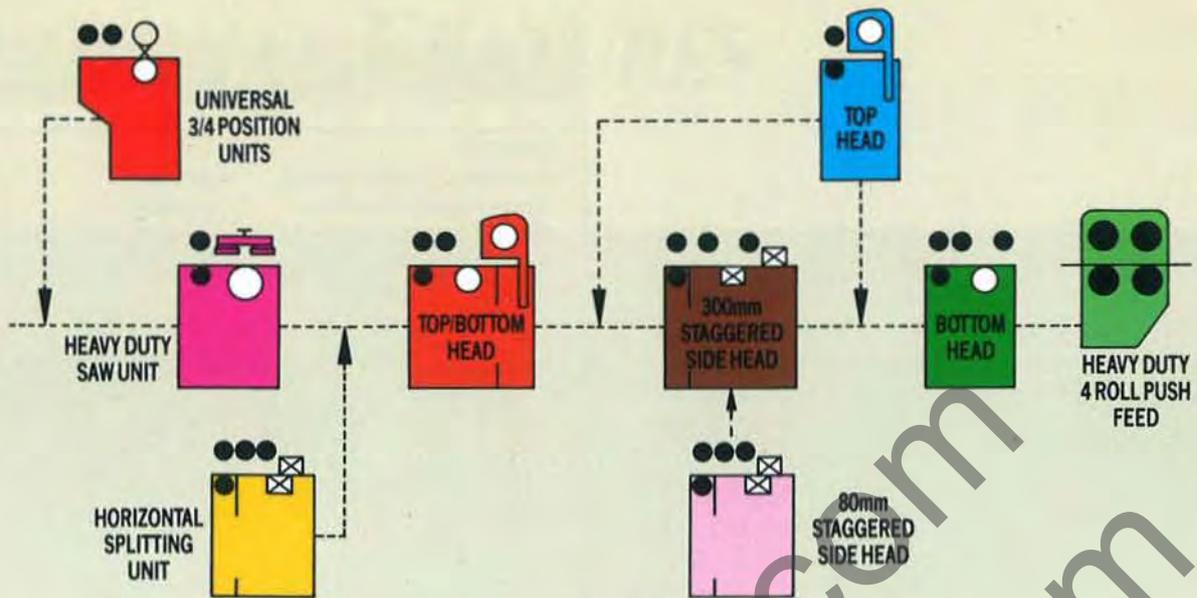
Minimum cutting circle all heads	125 mm diameter
Maximum cutting circles vertical	205 mm diameter (10 mm below bed)
Maximum cutting circles horizontal	205 diameter planing and jointing 250 diameter profiling and saws (50mm depth of cut).

### STANDARD FEATURES

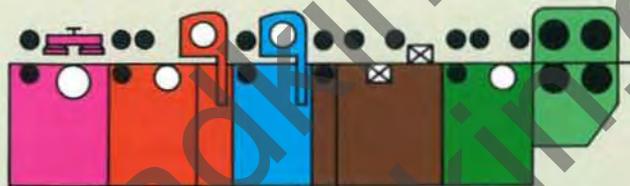
Full width solid hard chrome plated bed and fences.  
Screw adjustable bed plates to suit infinitely variable cutting circles at side heads.  
True radial action chipbreaker assembly at near side head.  
True radial action chipbreaker assembly to each top head.  
Mechanical digital readouts to both axes of all spindles except first bottom head. Adjustable to 1/100 mm (0.01 mm)

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.

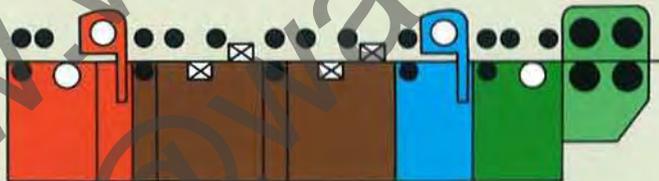
## Available modules to suit all production requirements



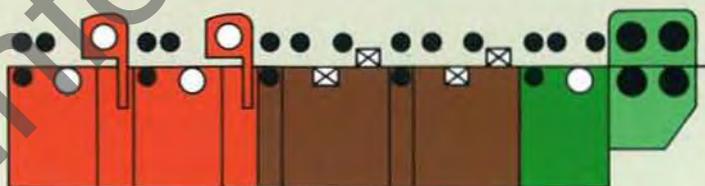
### Most common combinations



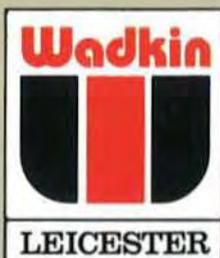
GENERAL PURPOSE WITH HEAVY DUTY SPLITTING SAW (120 mm deep)



GENERAL PURPOSE HIGH SPEED SAW MILLING



HIGH SPEED PANNELLING AND CLADDING MACHINE



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