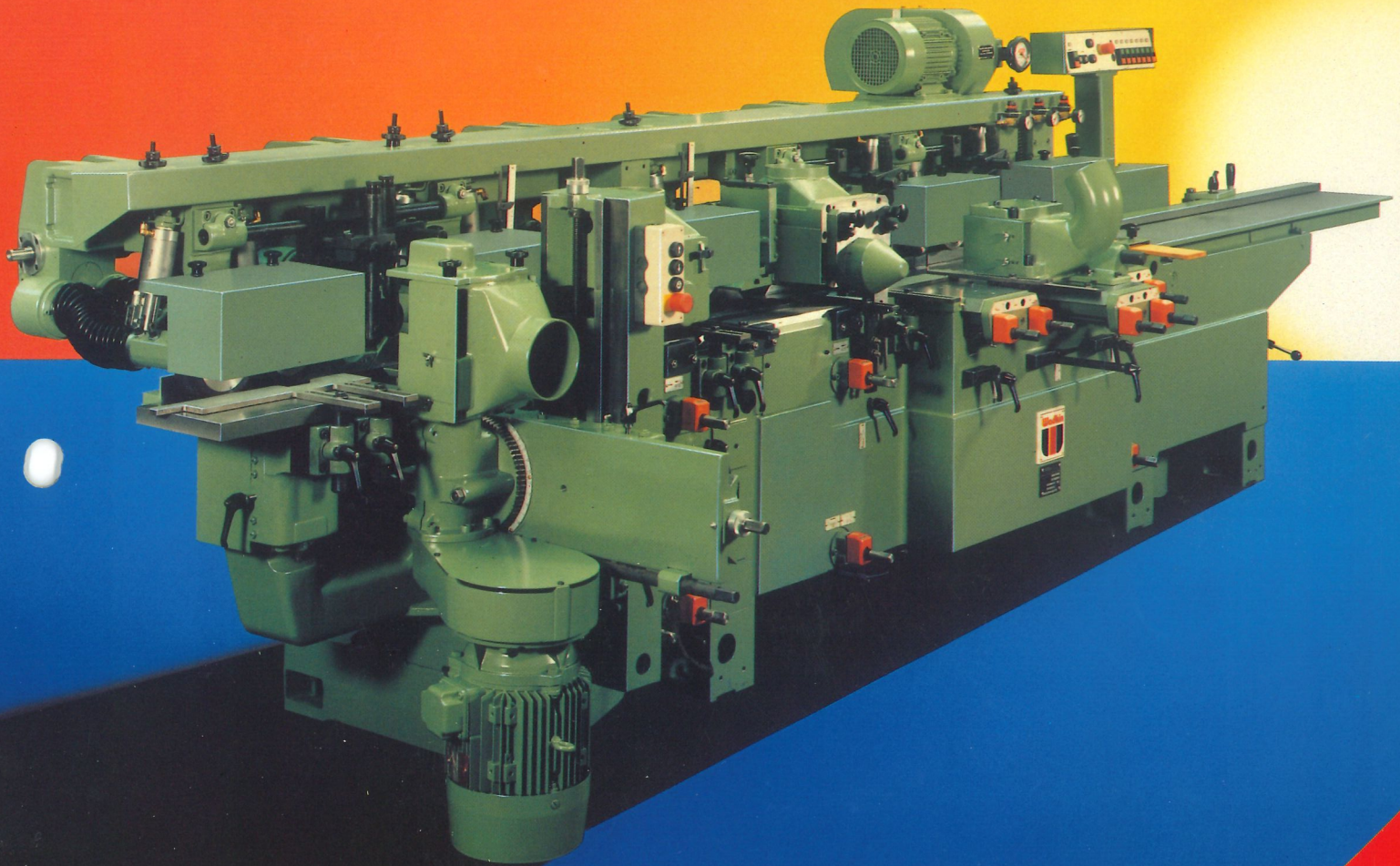


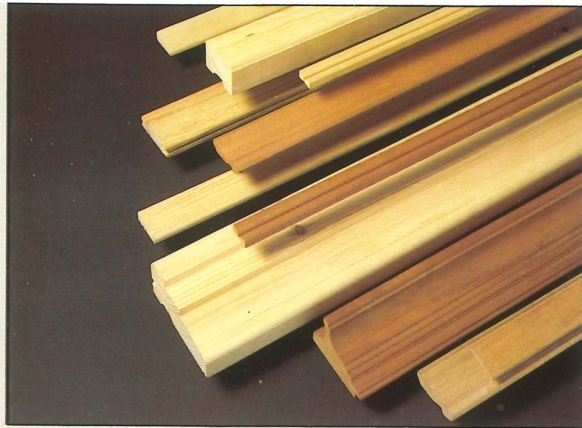


# *GA SERIES*

*THROUGHFEED PLANER MOULDERS*



# THE VERSATILE, QUICK SET-UP PLANER MOULDERS



## G A 170 and 220 Series

The highly successful G A Series of Planing and Moulding machines produce top quality mouldings up to a finished size of 170mmx120mm or 220mmx120mm with perfect straightening.

## Wide range of models

Whatever your planing or moulding requirements, there's sure to be a G A Series machine to suit your needs.

The 12 standard machine range extends to well over 70 variations. Almost any combination of feed, cutterheads or beds is possible, thanks to the huge range of G A Optional features. Precision engineered to very high specifications and built to Wadkin's traditional high standards, the G A represents a first class investment, particularly when its low cost is compared to its high production rating giving rapid pay-back potential.

## Selection of Models

All G A machines are custom-built to suit your own particular requirements. The series is based on 12 standard machines with capacities of 170mm or 220mm, and fixed head sequences combining bottom, top, side and universal heads. Each sequence is designed for differing complexities of work. Examples of operations and appropriate models are given below.

OPERATIONS	MODELS
PAR	— models 1 and 5
Straightening	— all models fitted with standard infeed table
Non-straightening	— all models fitted with short infeed non-straightening table option
Moulding nearside and top	— models 1 and 5
Moulding nearside, top and bottom	— models 2 and 6
Straightening and moulding nearside, top, bottom and fenceside	— model 2S
Moulding intermediate positions using universal head as additional to any above*	— models 1U and 5U 2U and 6U 2SU

\*Standard 3-position universal head available covers top, bottom or nearside and intermediates up to 270°. Optional 4-position covers 360° including fenceside.

## Powerful motors

Individual continuously rated motors are fitted to each cutterhead on all G A models to give you maximum potential output.

Standard feed motors are rated at 2kW (3hp), increased to 4kW (5.5hp) for models with shaft drive, providing fully variable feed speeds of 6–28m/min.

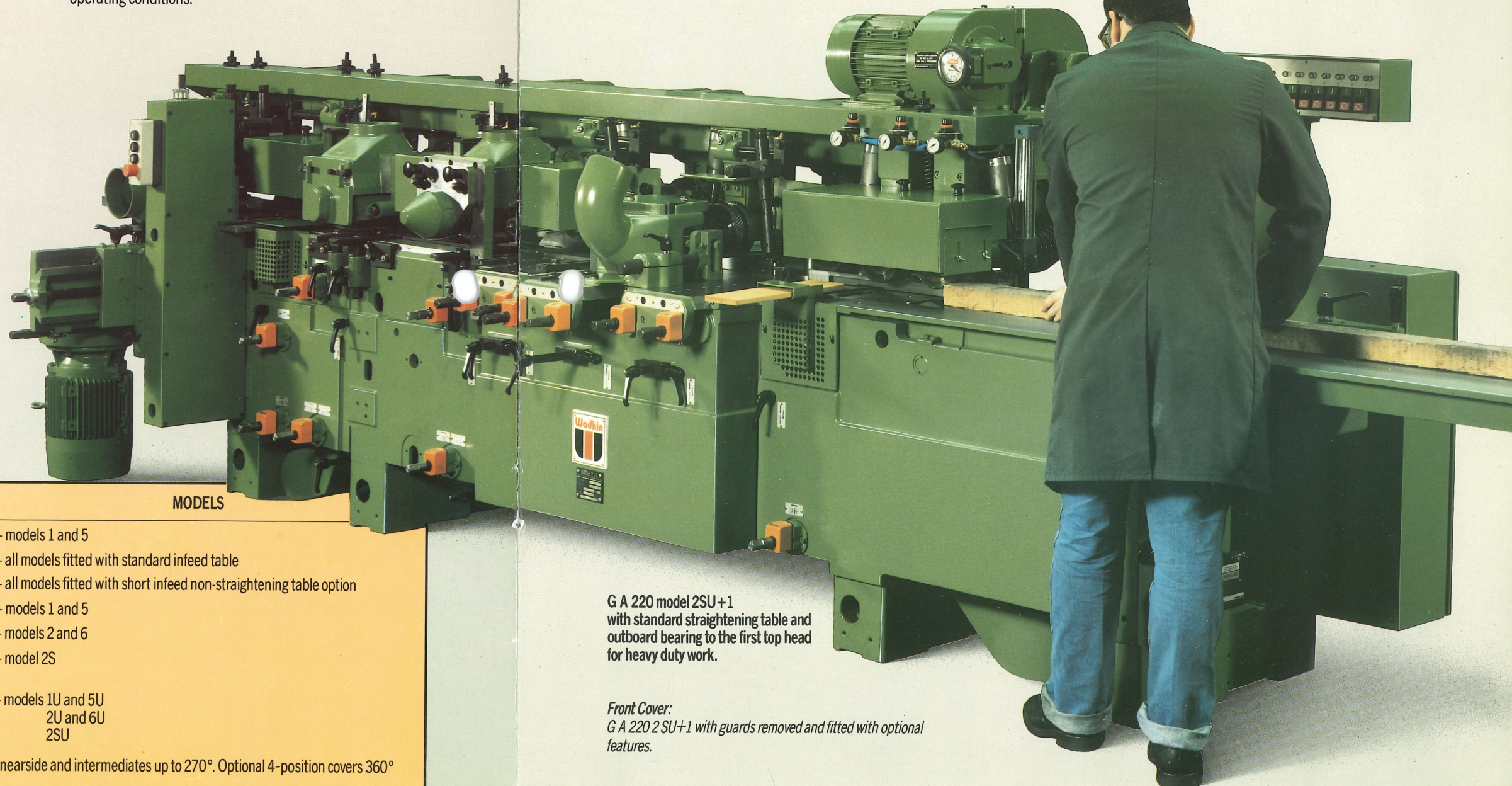
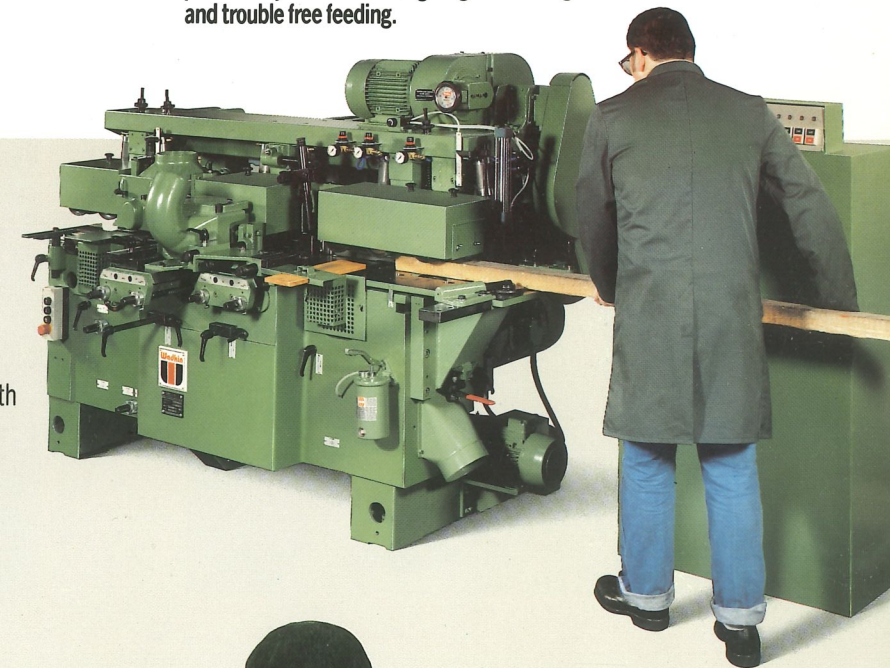
Standard spindle motors on the G A are rated at 4kW (5.5hp) developing a spindle speed of 6000 rev/min. Options are available up to 11kW (15hp).

## 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.

- Heavy robust Cast Iron construction throughout for vibration free running and high quality performance
- Individual motors for all cutterheads
- Large diameter flush mounted feed rolls (140mm) — fully interchangeable
- Independent rise and fall to outfeed rollers
- Electric rise and fall to feed roller beam and top head with independent adjustment to the top heads for quick and accurate setting
- Close coupled top and bottom heads provide better control for complex mouldings
- Long infeed straightening table — 2 metres (2.5 metres optional)

G A 220 model 6 with optional short infeed table particularly suitable for long length mouldings and trouble free feeding.

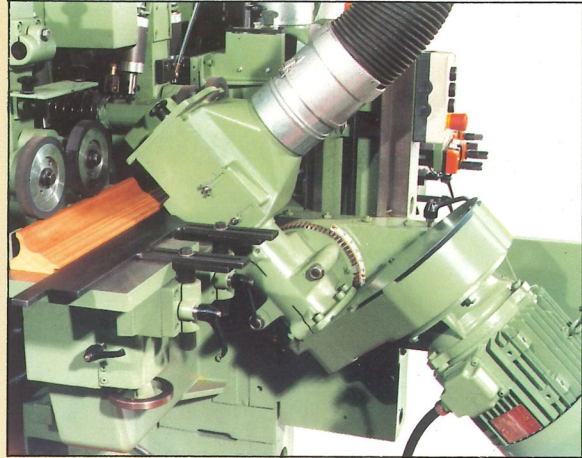


G A 220 model 2SU+1 with standard straightening table and outboard bearing to the first top head for heavy duty work.

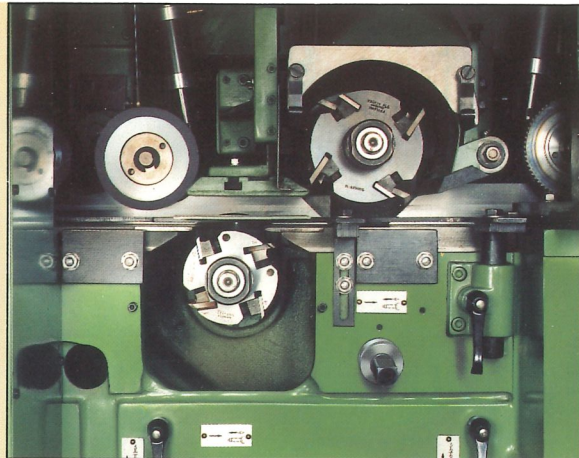
Front Cover:  
G A 220 2SU+1 with guards removed and fitted with optional features.

# SUPERIOR FEATURES TO SUIT YOUR NEEDS

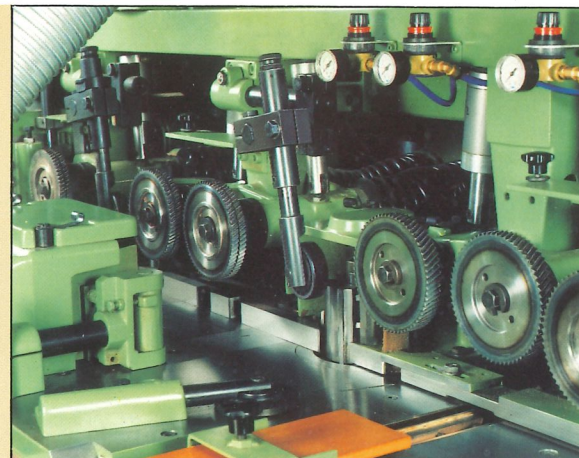
3-position universal head covering 270° bottom, top and nearside. Optional 4-position covers 360° including fenceside.



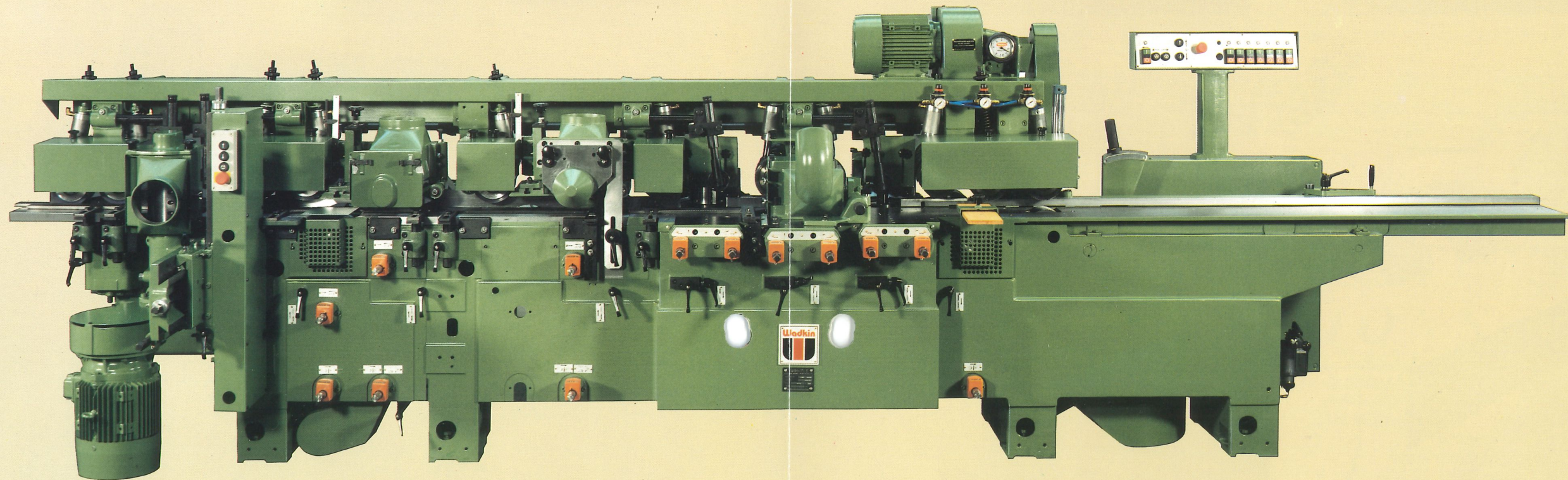
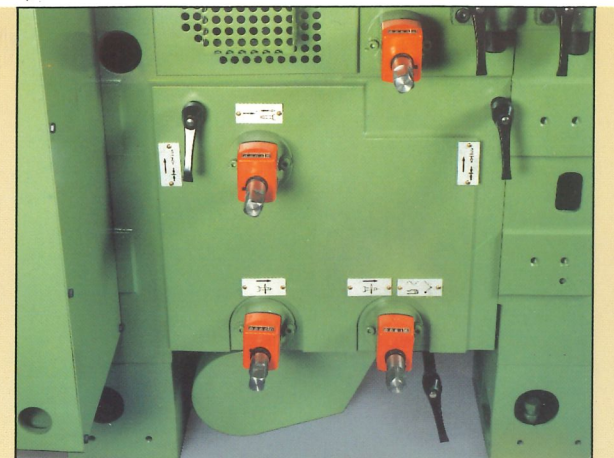
Close coupled top and bottom heads provide better control for complex mouldings.



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. Intermediate idle roller pressures give better control at point of cut.



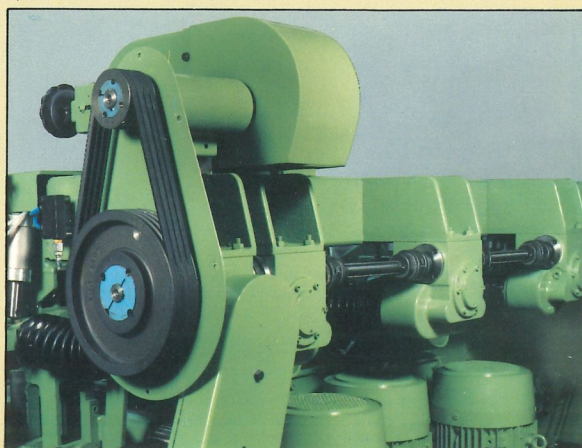
Axial and lateral adjustments to horizontal heads fitted with optional digital readouts for accurate rapid setting.



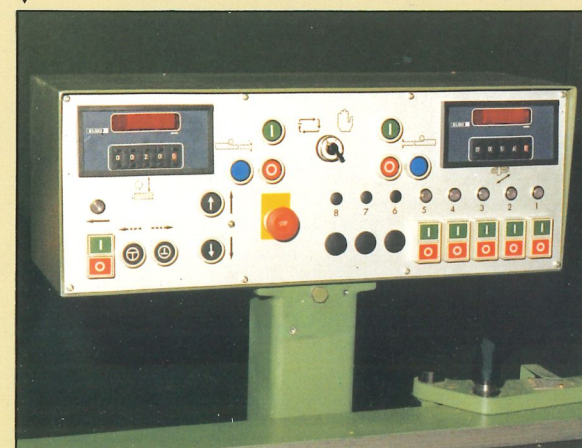
Digital readout units fitted to horizontal and vertical head movements for quicker and more accurate setting up.



Optional shaft drive to feed rollers. Heavy duty maintenance-free shaft drive for use with driven bed rollers at infeed and outfeed for positive feeding.



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

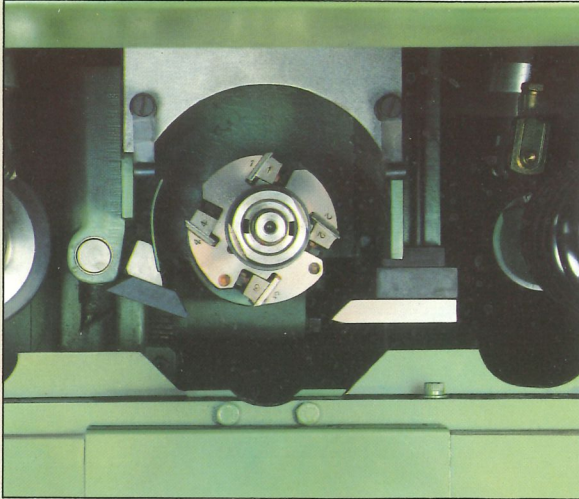


Air bed for positive feeding where lubrication is not acceptable i.e. furniture components or materials requiring lacquering processes.

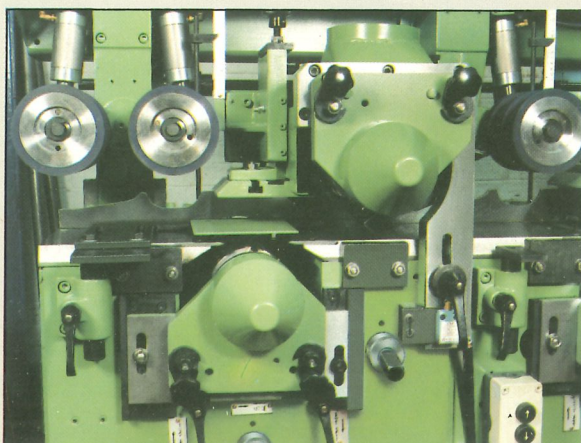
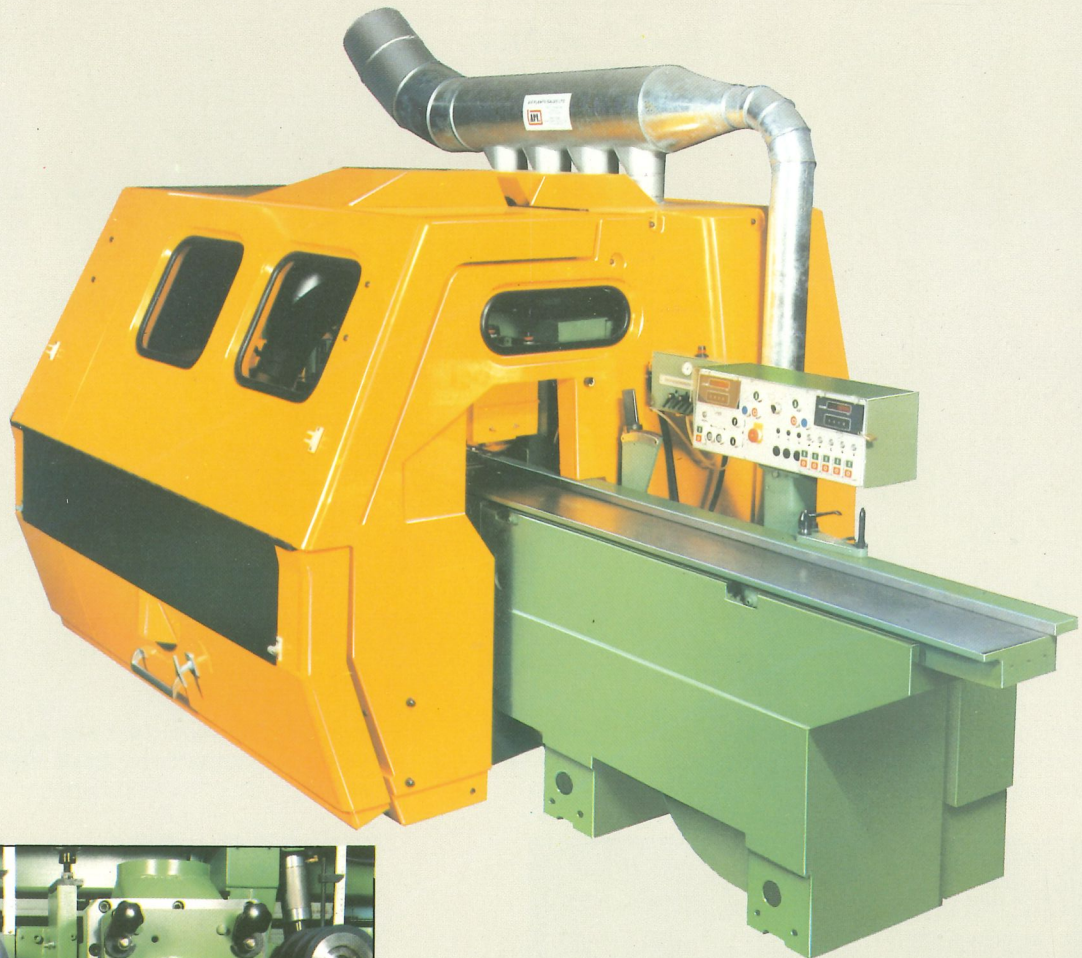
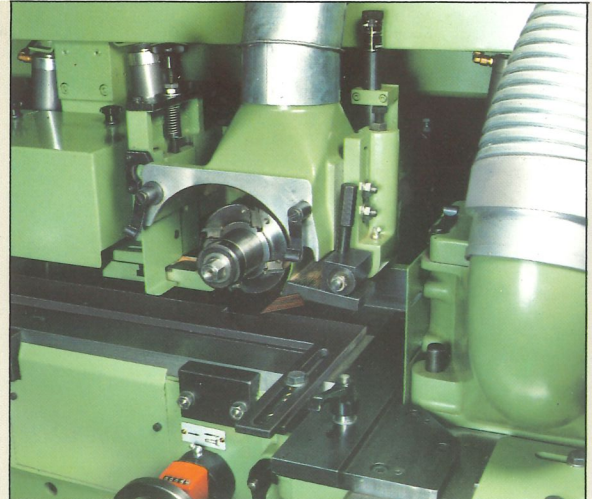


# A SELECTION FROM THE WIDE RANGE OF GA OPTIONAL FEATURES

Chip breaker and pressure pad for use with universal head when used in the top horizontal position for maximum control and flexibility of machine. (shown from the rear, cover removed).



True Radial chip breaker to top head with hydrocheck loading for absolute safety and the best possible control of timber. Shown with a fully adjustable chip breaker shoe to cater for all cutting circles from minimal to maximum.

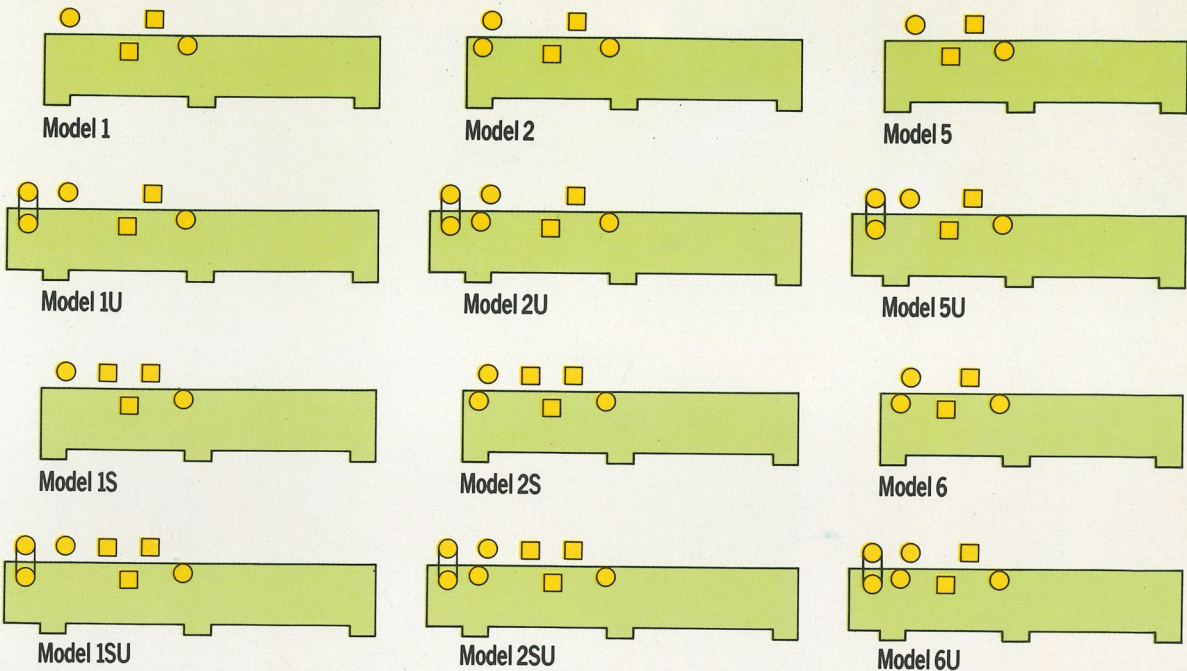


△ Close fitting g.r.p. sound enclosure with internal dust connections fitted to Model 6. Efficient option available for all models for effective control of working environment.

◁ Top and bottom outboard bearings to the horizontal spindles for precision and heavy duty working. Top head electrically interlocked to the rise and fall beam for safety.

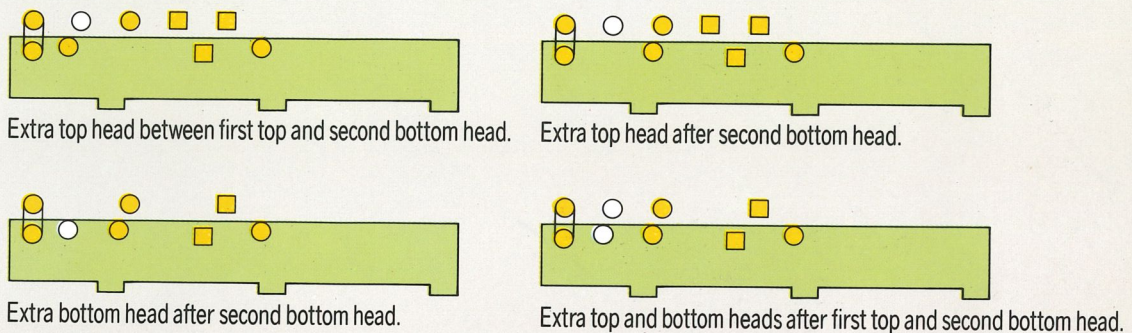
## Standard Machines

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.



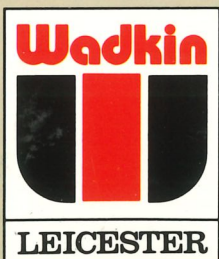
# SPECIFICATIONS

	GA170 Models	GA220 Models
Maximum size of timber admitted	180mmx130mm	230x130mm
Maximum size of finished timber	170mmx120mm*	220x120mm
Feed speeds — fully variable, standard optional		6-28 m/min
Feed motor, standard optional		6-36 m/min (shaft drive only)
Feed rollers, diameter width, 3 per station		2kW (3hp)
Bed height		4kW (5.5hp)
Spindle diameter		140mm
Spindle speed, standard optional		2x20mm 1x10mm
Head motors, standard optional		815mm
Infeed straightening table length, standard optional		40mm
Maximum straightening		6000 rev/min
Cutting circle, minimum maximum		9000 rev/min
		4kW (5.5hp)
		5.5kW (7.5hp) 7.5kW (10hp) 11kW (15hp)
		2m
		2.5m
		10mm
		100mm
		180mm (1st bottom and universal)
		195mm (side heads up to 15mm below table)
		200mm (tops and 2nd bottom)

\*With cutting circle of 125mm

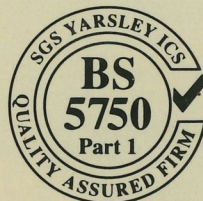


A turnkey high production mechanised moulding line installed at Montague L.Meyer (London) Ltd., Barking, Essex.



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