

# HYPERRMAC

World Class Machine Speed



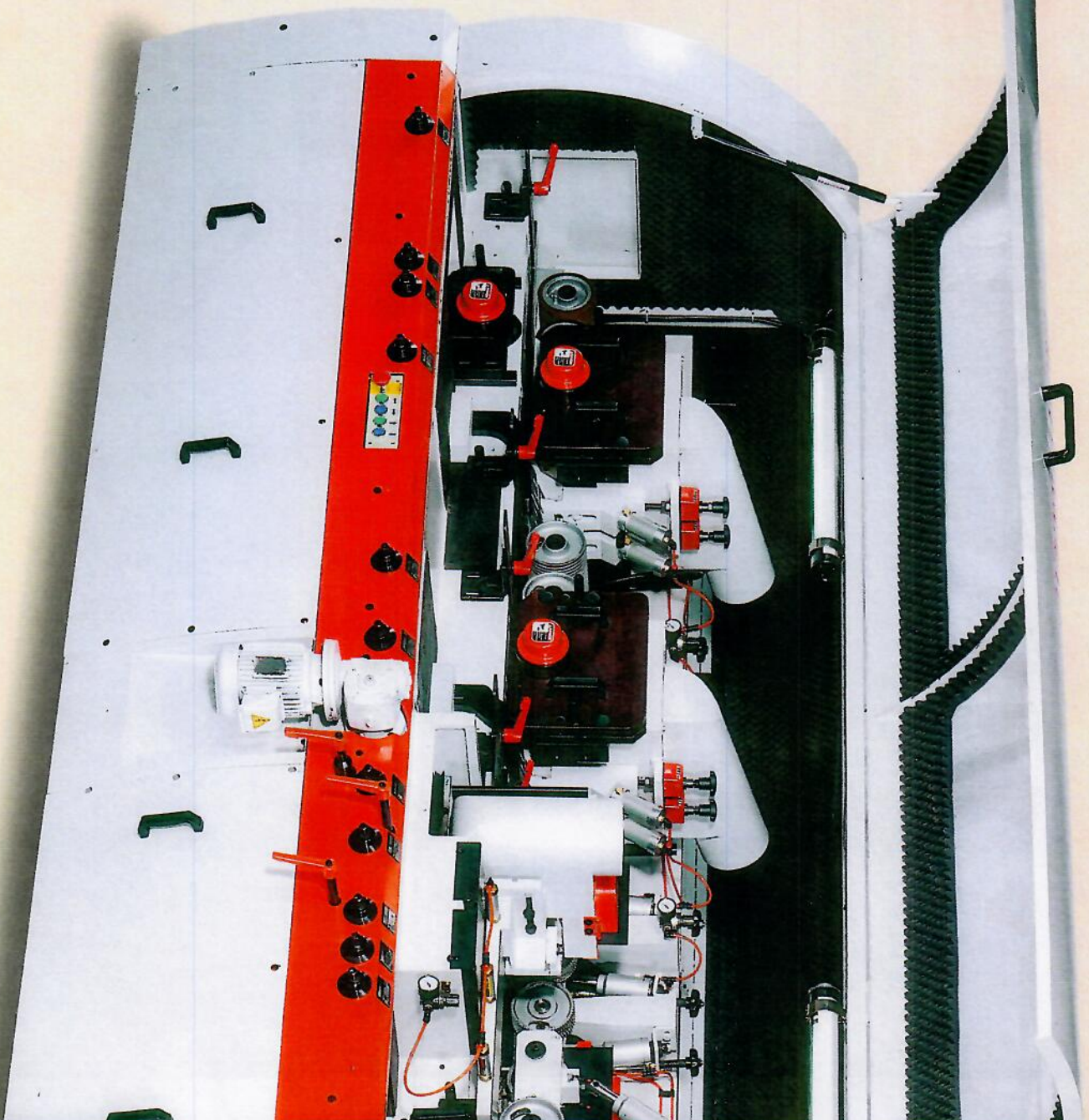
Leadership through

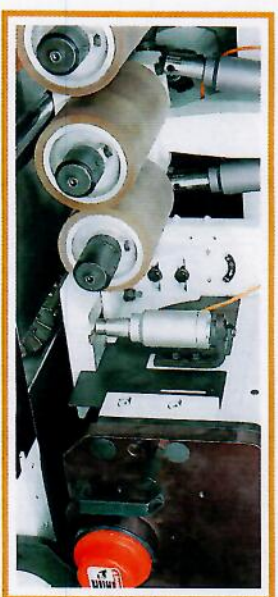
Performance and Reliability



# Advanced ideas for rigorous moulding requirements

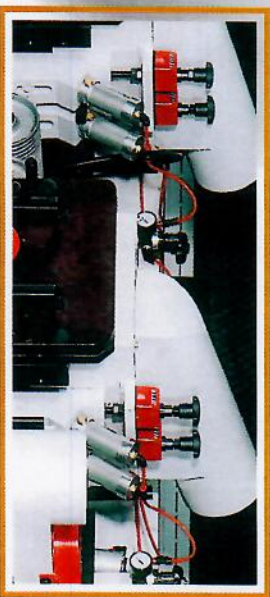
**LEADERMAC'S** wide variety of 4 side moulders have all the very latest technology for increased productivity. These heavy duty moulders are designed to provide fast cutting speed and high accuracy. The machines are precision manufactured by our highly skilled technicians- plus Leadermac service, training, and moulding know-how. No matter what your moulding jobs call for, there is a Leadermac 4 side moulder that's right for you.





**Auxiliary Rear Pressure Plate**

The rear pressure plate for the horizontal spindle is equipped with air operated auxiliary rear pressure plate for added cutting stability. The pressure plate can be adjusted vertically.



**Air Operated Front Pressure Plate**

2-Step front pressure plate on model with 230mm width capacity. Each step of pressure can be adjusted individually.  
Clamping System (Opt.)

# Speed up your moulding operations with the latest



## Centralized Lubrication Points

Greasing to all critical parts is conveniently made by the centralized arrangement of lubrication points.



## Feed Table

The entire feed table is normalization heat treated for maximum stability. Fence adjustment is quickly accomplished by means of a quick-setting lever.



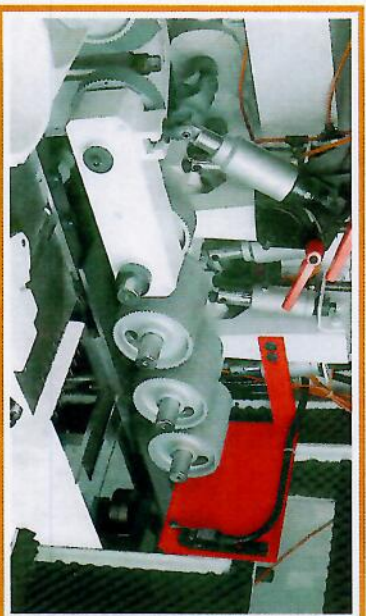
## High Precision Spindle

All spindles are precision constructed and specially heat treated to provide maximum cutting stability and permanent accuracy. They are water and dust-proof. Standard spindle speed is 6000 RPM.



## Adjustable Feed Rollers

Adjustable feed rollers allow for greater feed stability on varying lengths of workpieces. Feed roller adjustment is quick and convenient.

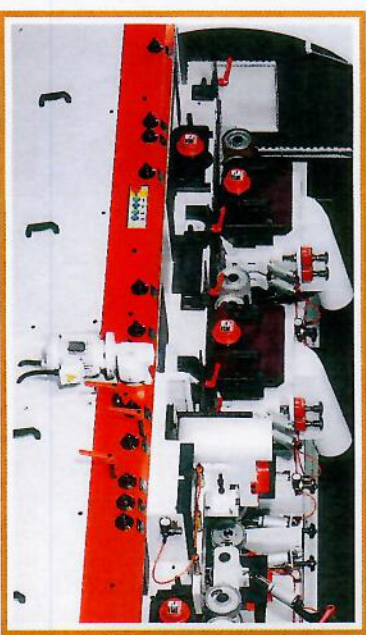


## Feed System

The bottom infeed roller works in conjunction with a limit switch to stop the machine if workpiece is too thick.

## Powered Infeed Roller

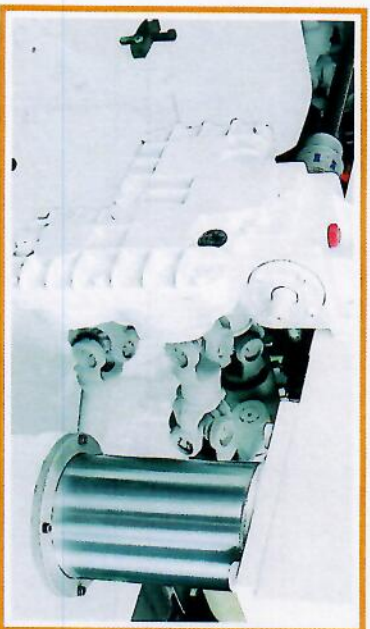
The smooth initial feeding of the stock is achieved by means of the independently powered infeed rollers.



## Convenient Spindle Adjustment

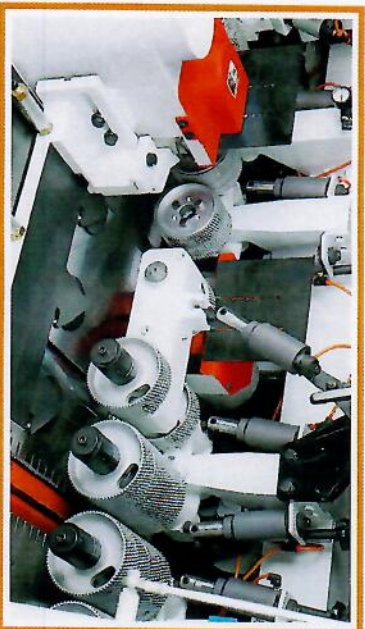
Adjustment of all spindles is easily effected from the front. The adjustment points are all at the same height, for more convenient and faster adjustment.

# Technological Breakthroughs from LEADERMAC



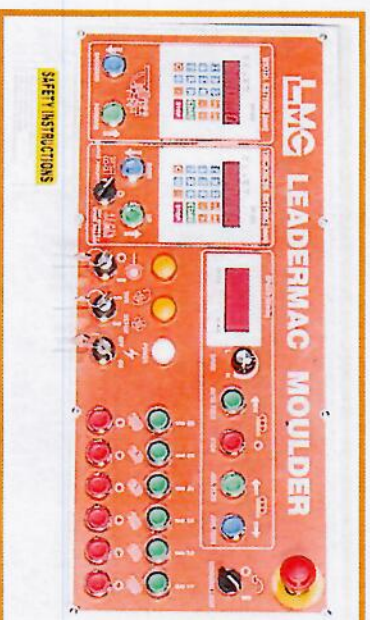
## Heavy Duty Gearbox

The feed rollers are driven through a combination of universal shafts and gearbox, ensuring no loss of power transmission. A smooth feeding effect is assured. A heavy duty gearbox has no backlash and provides powerful and accurate feeding performance.



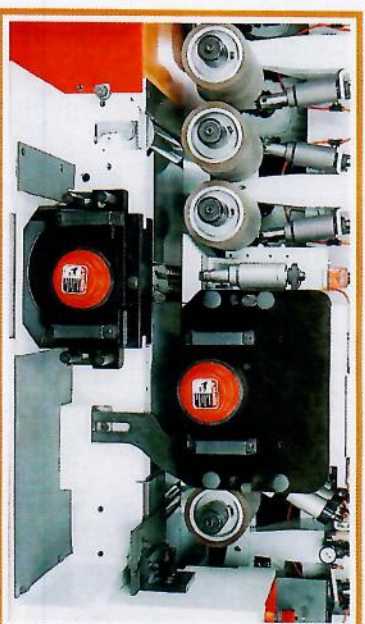
## Side Pressure Wheels for 2nd Spindle

Provides positive feed effect for short and narrow stock by 3 pneumatic controls.



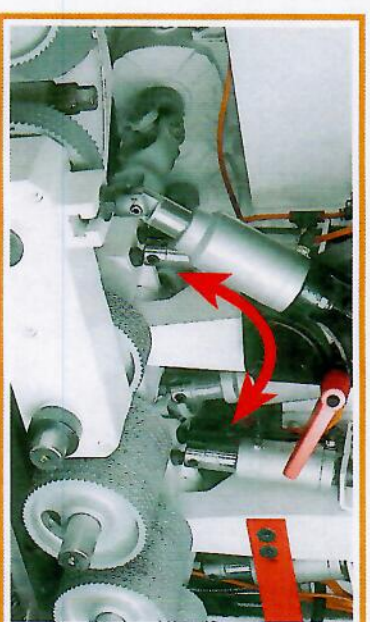
## Programmable Controller

The width & thickness setting can be easily set using the programmable controller. The desired values for width and thickness can be conveniently pre-set and are displayed on an LED. The speed is inverter controlled, and all electrical components meet CE standards.



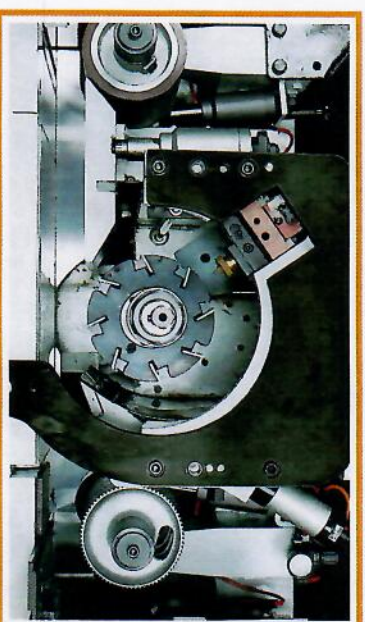
## Clamping System (Opt.)

Utilizing housing bearings, the reliable hydro-clamping system ensures consistent quality across the entire workpiece. The unit performs admirably even during high-speed continuous operation. The spindles can be adjusted axially even if the housing bearings are locked.



## Liftable Auxiliary Feed Roller

The mechanism provides added smoothness for short workpiece feeding. The auxiliary feed rollers are power driven for effortless feeding effect, and are liftable for convenient cutter change or setup.



## Straight Knife And Automatic Profile Jointer (Opt.)

The remote-controlled straight knife and automatic profile jointers provide accurate operation with high repeatability. They help ensure a long service life and super surface quality. (Opt.)

# For all your workworking applications

Choice of HYPERMAC models, from LMC-523 (5-spindle) to LMC-1023 (10-spindle).

## OUTSTANDING FEATURES:

- Faster feed speeds of up to 36 meters a minute are standard.
- Programmable controller provides convenient depth of cut settings..
- Adjustment of each spindle can be easily performed using the front adjustment level.
- Exclusive, separate adjustment of the vertical spindles and the feeding table allows the feeding table to be positioned extremely close to the cutterhead to provide added cutting stability.
- The full safety enclosure serves as a chip guard and helps to reduce noise.
- Each spindle is driven by an individual motor for powerful drilling and easy control.
- Pneumatic pressure of the feed rollers can be easily set to provide an outstanding feeding effect.
- Table surface is hard-chrome plated for maximum wear resistance.
- All manually adjusted turning parts are housed in dry bearings for oil-free lubrication.
- Automatic lubricator is provided to supply oil to the running parts.
- One-piece, cast iron machine frame is specially heat treated for maximum stability and rigidity by standard configuration.
- Powered elevation of left vertical spindle provides convenient adjustment.

# A wide range of spindle configurations



## PROGRAM SYSTEM (Optional)

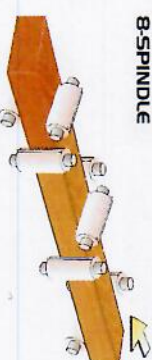
The program computer system allows for the programming and storing of 24 sets of dimensions. When the desired dimensions are entered, the left and top spindles automatically move the corresponding position. This system eliminates the need for trial runs.

LMC-523



5-SPINDLE

LMC-823



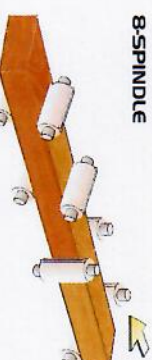
8-SPINDLE

LMC-623



6-SPINDLE

LMC-823



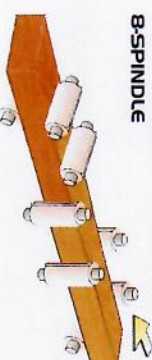
8-SPINDLE

LMC-723



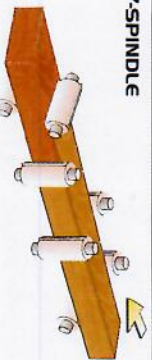
7-SPINDLE

LMC-823



8-SPINDLE

LMC-723



7-SPINDLE

LMC-923



9-SPINDLE

LMC-723



7-SPINDLE

LMC-1023



10-SPINDLE

## STANDARD

■ Working Width (at a tool cutting circle of 140mm)	20-230mm
■ Working height (at a tool cutting circle of 163mm)	10-150mm
■ Number of spindles, min-max	5-10
■ Basic motor capacity per spindle	11 KW / 15HP
■ Basic motor capacity of feed	11 KW / 15HP
■ Spindle speed	6000 RPM
■ Spindle diameter	50mm
■ Tool cutting circle, first bottom spindle, min-max	125-180mm
■ Tool cutting circle, vertical spindles, left, min-max	112-200mm
■ Tool cutting circle, vertical spindles, right, min-max	112-200mm
■ Tool cutting circle, horizontal spindles, top, min-max	100-200mm
■ Tool cutting circle, horizontal spindles, bottom, min-max	100-200mm
■ Feed motor	7.5HP
■ Feed speed, infinitely variable by frequency driven motor	6-36 m/min
■ Feed roller diameter	140mm
■ Feed roller width	2 x 50mm
■ Pneumatic pressure for feed rollers, max	6 bar (87psi)
■ Adjustment range for infeed table and edge-jointing fence	10mm
■ Adjustment range of vertical spindles (axial)	30mm
■ Adjustment range of horizontal spindles (axial)	20mm
■ Length of the straightening table	2m

- Mechanical digital readouts for the pressure shoes & hold-down unit
- Full sound and safety enclosure
- Motorized vertical adjustment of feed
- Lateral pressure roller opposite first right spindle
- Chainless cardan feed system
- Universal spindle, tool cutting circle min 100mm, max 200mm
- Program system provides faster setting.

## OPTIONAL EQUIPMENT:

- Groove guide for short, twisted and untrimmed material
- Setting and measuring devices
- Tool speeds of 80, 100 or 120 m/min. With feed roller 200mm
- Length of infeed table 2, 2.5 or 3 meters
- Increased R.P.M. upto 8000
- Increased horsepower
- Moulding width up to 260 mm, 300 mm is available
- CE specifications



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