LEADERMAC

LEADERMAC
MACHINERY CO., LTD.
No. 20, Lane 662, Sec 1,Sha-Tien Rd.,
Tadu District, Taichung, Taiwan 43244
TEL: +886-4-2693-7599
FAX: +886-4-2693-7588 / 2693-7589
http: //www.leadermac.com
e-mail: lmcemail@ms24.hinet.net
sycemail@ms14.hinet.net

CE ISO-9001 TUVNORD

Maximac series LMC 2012.10

Maximac series

Leadership Through Performance and Reliability

LEADERMAC

Quality Features Add More Value to Your Production



Always Ready to Achieve Excellent Performance with Ultimate Speed and Reliability

Quality Features Add More Value to Your Production

LMC Leadership Through Performance and Reliability

LEADERMAC's wide variety of 4-sided moulders have all the very latest in technology for increased productivity, product quality & reliability. These Heavy Duty Moulders are designed to provide fast cutting speeds and the highest quality accuracy. The machines are precision manufactured by our highly skilled technicians - plus Leadermac's fast service, training, and moulding know-how is offered with each mmoulder. No matter what your moulding jobs call for, there is a Leadermac 4 sided moulder that's right for you.



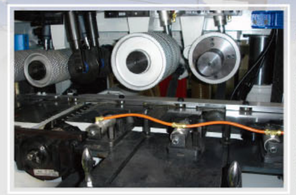












FEED SYSTEM
The Top / Bottom Infeed Rolls work in conjunction with a limit switch to stop the machine if workpiece is too thick or if there is a double up.

POWERED INFEED ROLLS
The smooth initial feeding of the stock is achieved by means of the independently powered infeed rolls. There are more Top & Bottom powered Rolls than most competitors and this is a big reason for successful feeding.

H.D. PNEUMATIC PRESSURIZED IDLING HOLD-DOWN ROLLS
Adjustable air pressure powerful feeding idle roller provides more stable and faster feeding.

LEADERMAC Maximac Series

The Power and Precision for World-Class Production & Quality

The Maximac was designed as a Heavy Duty 300mm (12") Moulder. The Maximac Series is designed for High-Capacity, Highly Accurate Operations for large and small batch production runs. The heavy-duty spindles are dynamically balanced and run on premium super-precision bearings, for superior workpiece finish quality.

The Maximac provides perfect surface quality, eliminating the need for sanding on planed and profiled surfaces. REC Setworks - Width and Thickness setting controllers are supplied as standard, lowering downtime and increasing efficiency of pattern change.

For All Your Wookworking Applications

Choice of Machine Models - from Maximac
LMC-230M (2-spindle) to LMC-1130M (11-spindle).

OUTSTANDING FEATURES:

- Moulders with CE certification.
- One-piece, Extra Heavy Cast Iron or Steel machine frame is specially heat treated for maximum stability and rigidity by standard configuration.
- The Full Heavy Gauge Safety Enclosure serves as a chip guard and helps to reduce noise.
- Table Surfaces, Guides, Chip Breakers & Pressure Plates are hard-chrome plated for maximum wear resistance.
- Multiple Pneumatic Pressure of the Feed Rolls (3 stations Infeed, Midfeed & Outfeed Rolls) can be easily set to provide an outstanding capability.
- 200mm (8") Dia. Top Infeed Rolls and Bottom Infeed Rolls with Removable Outboard Bearing for roll Quick Change out.
- More Top & Bottom Rolls than almost all competitive moulders – hence better feeding and control
- Fast Feed Speeds of up to 36 mpm(120fpm) are standard and up to 90 mpm(300fpm) – optional
- Top Heads have outboard support beams which automatically lock/unlock when resetting the top heads
- Straight & profile jointer provides accurate operation with high quality finish at high speed fed rates.
- Hydro-Loc Quick Change Outboard bearings for horizontal spindle(s).
- Motorized vertical adjustment of the top spindle including PC Digital Readouts.
- REC Programmable Controller provides convenient Thickness and Width of cut setworks
- 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.
- Digital readouts for the Chip Breaker Shoes of top spindle(s).
- Split Sectional Chip Breaker Ass'y in front of top spindle(s).
- Each spindle is driven by an individual motor for powerful moulding and easy control – powered by Poly Chain Belts
- The powered outfeed rolls provide stable and smooth workpiece outfeed even for especially thin or smooth materials. The rolls remain perfectly parallel even after long-term use.
- All manually adjusted turning parts are housed in dry bearings for oil-free lubrication.
- Automatic Lubricator is provided to supply oil to the feed table.



STRAIGHT KNIFE JOINTER AND AUTOMATIC PROFILE JOINTER (OPT.)
The remote-controlled straight jointers provide accurate operation with high repeatability. They help ensure a long service life and super surface quality. (Opt.)



STRAIGHT KNIFE JOINTER AND AUTOMATIC PROFILE JOINTER (OPT.)
The remote-controlled straight automatic jointers provide accurate operation with high repeatability. They help ensure a long service life and super surface quality (OPT.)



HIGH PRECISION SPINDLE
All spindles are precision constructed and specially heat treated to provide maximum cutting stability and permanent accuracy. 4 Super Precision Bearings per Spindle, PLU Outboard Quick Set Hydro-Loc Outboard Bearing Assembly on all horizontals. They are water and dust-proof. Standard spindle speed is 6,000 RPM-std. 7200 or 8,000 RPM is optional.

CENTRALIZED LUBRICATION POINTS
Greasing to all critical parts is conveniently made by the centralized arrangement of colour coded lubrication points along the front of the machine

CONVENIENT SPINDLE ADJUSTMENT
Adjustment of all spindles are easily effected by hand or automatically for some spindles. The adjustment points are all along the front of the machine, for more convenient and faster adjustment.



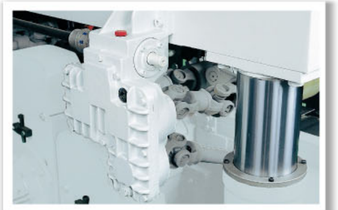
REC PROGRAMMABLE CONTROLLER (Setworks)
Width and thickness setting can be easily set using the programmable controller. The desired values for width and thickness can be conveniently pre-set and are displayed on an LED. The speed is inverter controlled, and all electrical components met CE standards.



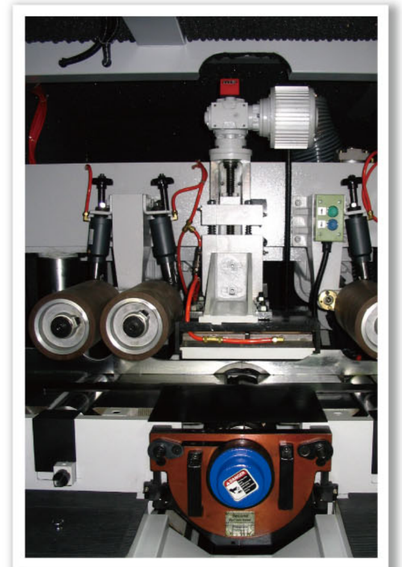
SIDE PRESSURE ROLLS AHEAD OF NEAR SIDE HEAD SPINDLE
Eliminating the conventional spring load. The adjustable side pressure rolls are pneumatically operated to ensure consistent holding pressure.



FEED TABLE
The entire feed table is normalized heat treated for maximum stability. All tables except receiving table behind first Bottom Head are Chromed for long life. Fence adjustment is quickly accomplished by means of a quick-setting level. Fence as well as infeed Table & Btm. Rolls are quickly adjustable with digital position readouts.



HEAVY DUTY GEARBOX
The feed rolls are driven through a combination of extra heavy universal shafts and extra heavy duty gearboxes, ensuring no loss of power transmission. A smooth feeding effect is assured. The heavy duty gearbox has no backlash and provides powerful and accurate feeding performance. The top Beam is supported by 3 vertical posts, similar to the one shown.



AIR FLOATING PRESSURE PLATE over LAST BOTTOM HEAD
The pneumatically-controlled floating pressure plate ensures consistent quality with its above average flexibility for various shapes of workpieces.

STANDARD EQUIPMENT:	LMC-230 to LMC-1130	Available Options
Number of Heads / Spindles, min-max	2 to 11	Any Head Configuration - available
Working width (with a tool cutting circle of 125mm)	20-300mm (78"-12")	to 330mm (13")
Working height (with a tool cutting circle of 125mm)	10-150mm (.39"-6")	to 200 or 250mm (8" or 10")
Basic Spindle Motor capacity - Wye-Delta Soft Starts on all motors	1 1/15 KW	to 45 KW / 60HP
Spindle Diameter	50mm	1 13/16" / 2 1/8"
Spindle Speed	6000 RPM	7200 / 8000 RPM
Tool cutting circle, first bottom spindle, min-max	125-200mm (4.9"-7.8")	
Tool cutting circle, vertical spindles, left, min-max	140-250mm (5.51"-9.8")	
Tool cutting circle, vertical spindles, right, min-max	140-250mm (5.51"-9.8")	
Tool cutting circle, horizontal spindles, top, min-max	140-250mm (5.51"-9.8")	
Tool cutting circle, horizontal spindles, bottom, min-max	140-250mm (5.51"-9.8")	
Feed Motor	11KW / 15HP	15 / 18.5KW (20 / 25HP)
Feed speed, infinitely variable by frequency (VFD) driven	6-48 m/min (19.5/175.2 fpm)	60 / 90 m/min (200 / 300 fpm)
Top Infeed Rolls - Diameter	205.36mm (8.08")	
Midfeed / Outfeed / Top & Bottom Feed roll Diameter	140mm (5.5")	
Top Feed Roll Width - Stacked on shafts	50mm (2")	
Bottom Feed Roll Width	Full Width	
Pneumatic pressure for feed rollers, max	6 bar (85psi)	
Adjustment range for infeed table and edge jointing fence	10mm (.4")	
Adjustment range of vertical spindles (axial)	80mm (3.14")	
Adjustment range of horizontal spindles (axial)	40mm (1.57")	
Length of the Infeed / Straightening table	0.8M (31.49")	2/2.5/3M (78"/98"/120")
Diameter of dust hood for vertical spindle	Ø175mm (6.9")	
Diameter of dust hood for horizontal spindle	Ø200mm (7.9")	
Digital Readouts on All Axis of all Heads	Std.	
Digital Readouts for the Chip Breaker Shoes of Top spindle	Std.	
Full sound and safety Enclosure	Std.	
Motorized vertical adjustment of Feed Beam	Std.	
Lateral pressure multiple roller opposite first right spindle	Std.	
Chainless Cardan Shaft Feed System	Std.	
REC Setworks on Near Side Head(s) & Top(s) - Radial	Std.	

OPTIONAL EQUIPMENT:	
To CE Standards	Grooved Bed for running very short material
SmartSet Touch Screen Controls with Pattern Memory and Download Capabilities	DC Electronic Cutterhead Brakes
from the grinding rooms with upload to the control	Opposed Side Heads
Setting and measuring devices for the grinding room	Rip Saw Section with up to 75kw (100HP)
Universal Spindle, tool cutting circle min 125mm, max 200mm	Straight &/or Profile Jointers on any heads
Tilting Top Beam, Tilting Feed, Tilting Feedworks, Tilting top Head Chipbreaker	Split Pressure Shoes
Ass'y, Tilting Pressure Plate(s)	Left (Opposite) Hand Feed

A Wide Range of Spindle Configurations

- Machines of 2 to 11 Heads are available with almost any configuration of heads as desired. A sampling of some Standard Head configurations -

Smartset Std. & Advanced

Touch Screen Control (optional)

* Automated Machine Quick Setup
* Easy & Powerful Functionality
* History & Library of Information
* All Axis outfitted with Ball Screws & Rotary Encoder Position Feedbacks For Best Set Control and hence better Cut Quality
* Setworks on any axis as desired
* Download from the Grinding room Measuring Stand to PC to Upload to SmartSet Control available



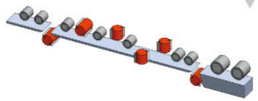


PROGRAMMABLE CONTROLLER

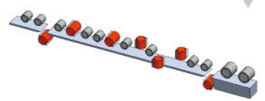
The width and thickness setting can be easily set using the programmable controller. The desired values for width and thickness can be conveniently pre-set and are displayed on an LED Readout. The feed speed is VFD inverter controlled with LED Readout.

Advanced Ideas for Rigorous Moulding Requirements

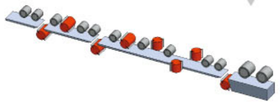
LMC-630
6-SPINDLE



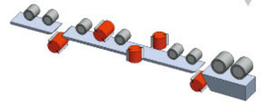
LMC-730
7-SPINDLE



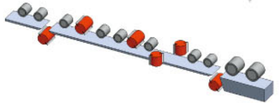
LMC-830
8-SPINDLE



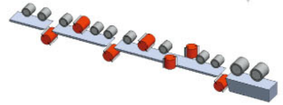
LMC-530
5-SPINDLE



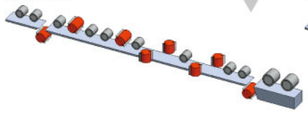
LMC-630
6-SPINDLE



LMC-730
7-SPINDLE



LMC-830
8-SPINDLE



LMC-930
9-SPINDLE

