



MARUNAKA

WOODWORKING MACHINES

60.12



MARUNAKA TEKKOSHO INC.

AUTOMATIC SPRAY PAINTING MACHINE

PA-70·PA-120·PA-180

This machine detects the work width and automatically sprays over the detected area the paint in an effective and economical amount.

It accomplishes very uniform and beautiful coating on the furniture parts, etc., with a minimal consumption of the paint within the shortest working time.

The operator needs no special skills nor experience.

The outside mixing method permits easy maintenance and puts no limit in the application time of the paint. From undercoating to finish (either of 1-component or 2-component), it can be applied widely to various kinds of coating, such as air-gun, airless-gun, 2-component airless system, electro static coating, etc.



▲ PA-120

SPECIFICATIONS

	PA-70	PA-120	PA-180
Max. work width	700mm	1,250mm	1,850mm
Max. work thickness	70mm	70mm	70mm
Feed speed (steplessly variable)	0 - 6m/min.	0 - 6m/min.	0 - 6m/min.
Gun travelling speed (steplessly variable)	0 - 60m/min.	0 - 60m/min.	0 - 60m/min.
Power required: For feed	0.4kW	0.4kW	0.75kW
For reciprocating feed	0.4kW	0.4kW	0.4kW
For blower	0.75kW (option)	1.5kW (option)	2.2kW (option)
For compressor	3.7kW (option)	5.5kW (option)	11kW (option)

* The work feed method is available in two types; bar-conveyor type and belt-conveyor type.

* Do not hesitate to consult us for the special designing and modification to your specifications, line-integration, etc.

WIDE BELT SANDER

YS-65A/YS-65AM/YS-100A/YS-130A

Oversanding on the front edge or ends of the workpieces has been one of the users' greatest concern for many years. But, it is no more a problem with this new belt sander.

Provided with an air-pad and a spiral roller, this machine can do highly accurate and beautiful sanding for various purposes from surface finish sanding to heavy sanding for thickening on any type of workpieces, even undesirable stock with warping, twist or deformation.



▲ YS-65A

SPECIFICATIONS

	YS-65A	YS-130A
Max. work width x thickness	660 x 160mm	1,310 x 160mm
Min. sanding length	340mm	470mm
Sanding belt feed speed	20m/sec.	20m/sec.
Work feed speed (steplessly variable)	0 - 18m/min.	0 - 18m/min.
Power required for sanding belt drive: Standard type	15 (18.5kW option)	30 (37kW, 45kW option)
Power required for feed: Standard type	0.75 (1.5kW option)	1.5 (2.2kW option)
Size of sanding belt (width x inner diameter)	700 x 2,070mm	1,350 x 2,300mm
Overall dimensions (width x length x height)	1,767 x 1,430 x 1,881 mm	2,507 x 1,713 x 2,023 mm
Net weight	2,000 kg	4,000 kg
Power required for air compressors	0.75 / 7.5 / 11 kW	1.5 / 15 / 18.5 kW

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Power required: For feed	0.4kW	0.4kW	0.75kW
For reciprocating feed	0.4kW	0.4kW	0.4kW
For blower	0.75kW (option)	1.5kW (option)	2.2kW (option)
For compressor	3.7kW (option)	5.5kW (option)	11kW (option)

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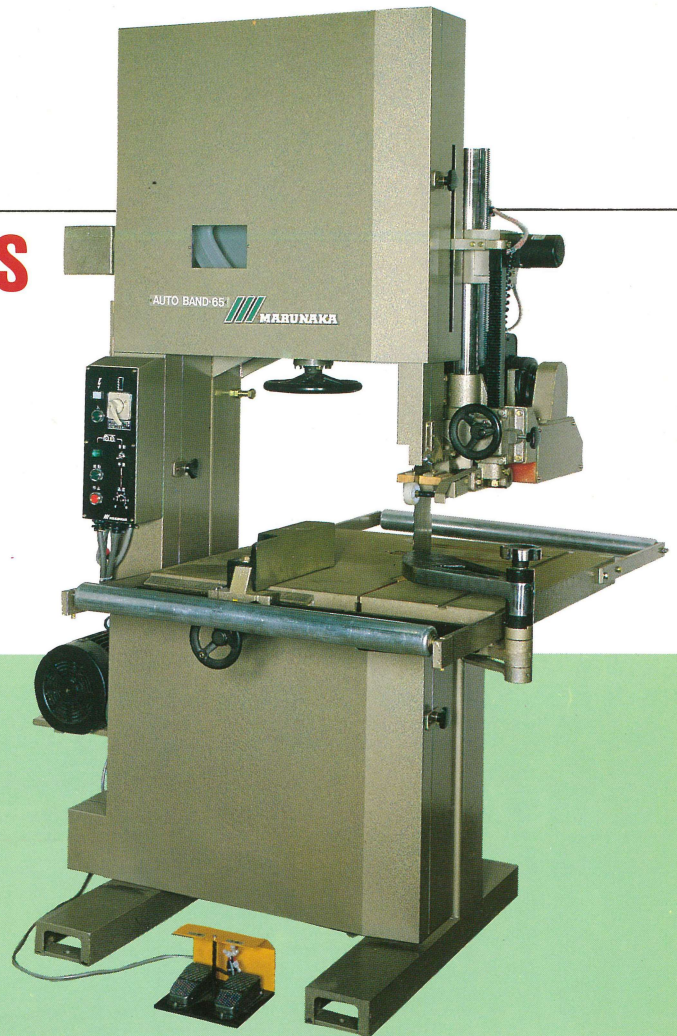
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AUTO BAND SAW JB-M650S

For the furtherance of clear and sharp cutting of this machine and elongation of tool life, stellite cutting edge is employed on this machine. The automatic head elevation permits quick and easy set up of the workpiece and optimum feed speed is selectable according to the kind of wood and the type of the job, thanks to the infinite variable feed speed. The machine is designed in due consideration of safety in addition to providing high rigidity, preciseness, efficiency, cutting accuracy and ease of operation.

SPECIFICATIONS

Dia. of saw wheel	650mm
RPM of saw wheel	702 (50Hz)/750 (60Hz)
Max. work thickness	375mm
Distance from saw to frame	625mm
Feed speed	1.7—17m/min. (50Hz) / 2—20m/min (60Hz)
Power required: Saw wheel	3.7 kW
Feed	0.2 kW, Single phase
Saw size (width x thickness x length)	102 x 0.7 x 4,650mm
Table height	885mm
Overall width x length x height	1,580 x 1,345 x 2,150mm
Weight	750 kg



AUTOMATIC SINGLE SURFACE PLANER KV-500 WITH EDGE PLANING DEVICE

This is an automatic single surface planer with a side-edge planing device. For planing side-edges, the board is set on edge to feed. It will never fall down during the feed because of the special feed device. Thus, highly accurate and right-angled finish planing is accomplished. The machine is provided with anti-kick back device and a hand brake for stopping the planer drum to ensure safe operation.

SPECIFICATIONS

Max. work width x thickness	500 x 300mm
Max. edge-planing width x thickness	150 x 450mm
Cutter head	φ98 round type, with 3 jointer knives
RPM of spindle	5,000 (50Hz) / 5,900 (60Hz)
Size of planer knife	500 x 32 x 5mm
Power required: Planer spindle	3.7 kW, 4P
Feed	0.75 kW, 4P (red. 1/10)
Large table elevation	0.4 kW, 4P
Small table elevation	65W, 4P (red. 1/10)
Feed roller dia. (feed-in/take-out)	φ78, stripe type / φ78
Roller pitch	240.5mm
Table roller dia.	φ66, driving type
Feed speed	10—20m/min. (60Hz), variable
Table length	1,010mm
Overall width x length x height	1,160 x 1,160 x 1,175mm
Net weight	1,030 kg



HIGH SPEED ROUTER RO-1

This is a high precision high speed router. The distinctive feature of this machine is an instantaneous increase or reduction of the spindle speed in a range of 10,000 ~ 20,000 rpm by the simple lever manipulation. The adoption of angular contact ball bearing to support the spindle and the circulating lubrication system thereof permits consistently high cutting accuracy of this machine. In addition to these, powerful brake, dust exhaust fan, cooling fan, and other various kinds of new devices are incorporated to enhance its machinability.



SPECIFICATIONS

Vertical movement by handwheel	140mm
Vertical movement by foot pedal	70mm
Max. distance between chuck and table	210mm
Max. tilt of table	45°
Swing	610mm
RPM of spindle: S / W	20,000 / 10,000-20,000
Inner dia. of chuck	φ8, φ12, φ16mm
Power required: S	2.2 kW, 2P
W	1.5 kW, 2P or 4P
Table area	820 x 540mm
Overall width x length x height	820 x 1,370 x 1,400mm
Packing volume	Approx. 110 cft.
Weight	470 kg

TENONING MACHINE FOR WOODEN HOUSE BUILDING TA-15

This is a special automatic tenoning machine for processing wooden house building materials. It has four circular saws, each of which is driven independently by the individual motor for efficient and practical use. Once it is set to "full automatic", depressing the push button for "start" will carry out the whole process of tenoning at a high speed with high accuracy.

SPECIFICATIONS

Max. work height	450mm
Max. work width	210mm
Cross cut C.C.T. saws	φ255mm, 2 pcs.
Ripping C.C.T. saws	φ355mm, 2 pcs.
Power required: Cross cut	0.75 kW x 2
Ripping	1.5 kW x 2
Elevation	0.4 kW x 1
Tenon width setting	.40W x 1
Max. plain tenon length	360mm (3 cuts)
Angle of dovetail tenon	0 - 18°
Max. shift of vice center	45mm
Overall width x length x height	1,300 x 1,550 x 1,750mm
Packing volume	Approx. 190 cft.
Net weight	950 kg



CERTO MOLDER VE/VD

This is an automatic copying machine for molding corners. It is designed very compact and can afford forming corners regardless of the size of the workpiece. Operation is performed by the simple manipulation of the foot switch. It is perfect in safeguard, for it is so contrived the cutter will be disengaged completely at the time of mounting or dismounting the workpiece and if the clamping force is insufficient, machine will come to a standstill by itself.

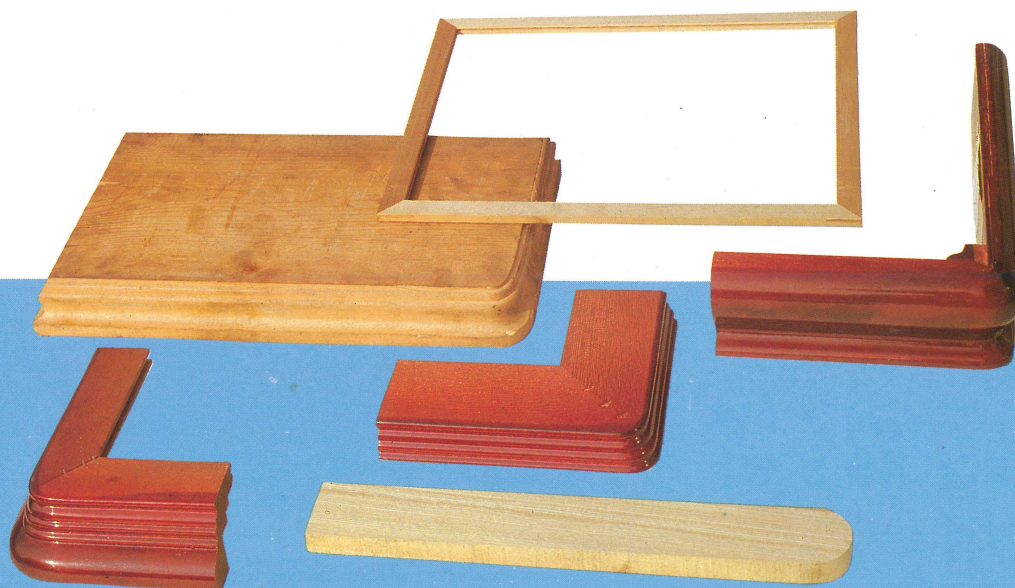


SPECIFICATIONS

	VE	VD
Max work thickness	80 mm	120 mm
Radius of curvature of work	0 - 80 mm	0 - 80 mm
Contact roller dia. (root dia. of cutter):		
Standard	φ 100 mm	φ 100 mm
Min. - Max.	φ 80 - φ 110 mm	φ 80 - φ 110 mm
Cutter O.D. (max.)	φ 160 mm	φ 160 mm
Spindle dia.	φ 25.4 mm (φ 30 mm)	φ 30 mm (φ 25.4 mm)
RPM of spindle	8,500 (60 Hz)	8,500 (60 Hz)
Motor	2.2kW, 2P (3.7kW)	3.7 kW, 2P
Overall width x length		
x height	1,200 x 1,100 x 1,300mm	1,200 x 1,100 x 1,500mm
Packing volume	Approx. 100 cft.	Approx. 115 cft.
Net weight	320 Kg	400 Kg

* Specifications in parentheses are available upon request.

WORK SAMPLES OF CERTO MOLDER VE/VD



MARUNAKA Believes in Technological Innovations

A machine which has made a debut as a new product becomes an old product at that moment. Based on this way of thinking, we have been tackling with many-sided studies covering electricity, electronics, aerodynamics, human engineering, hydraulics, etc. On the other hand, we are also making efforts to settle various problems of today, such as environmental sanitation, laborer's hygiene, noise prevention, energy-saving, resource preservation, etc.

We believe that "good" products should deserve favorable acceptance in any country of the world, and will contribute not only to the economic cooperation, but also to the tying up of the peoples minds for the improvement of their mutual understanding.



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