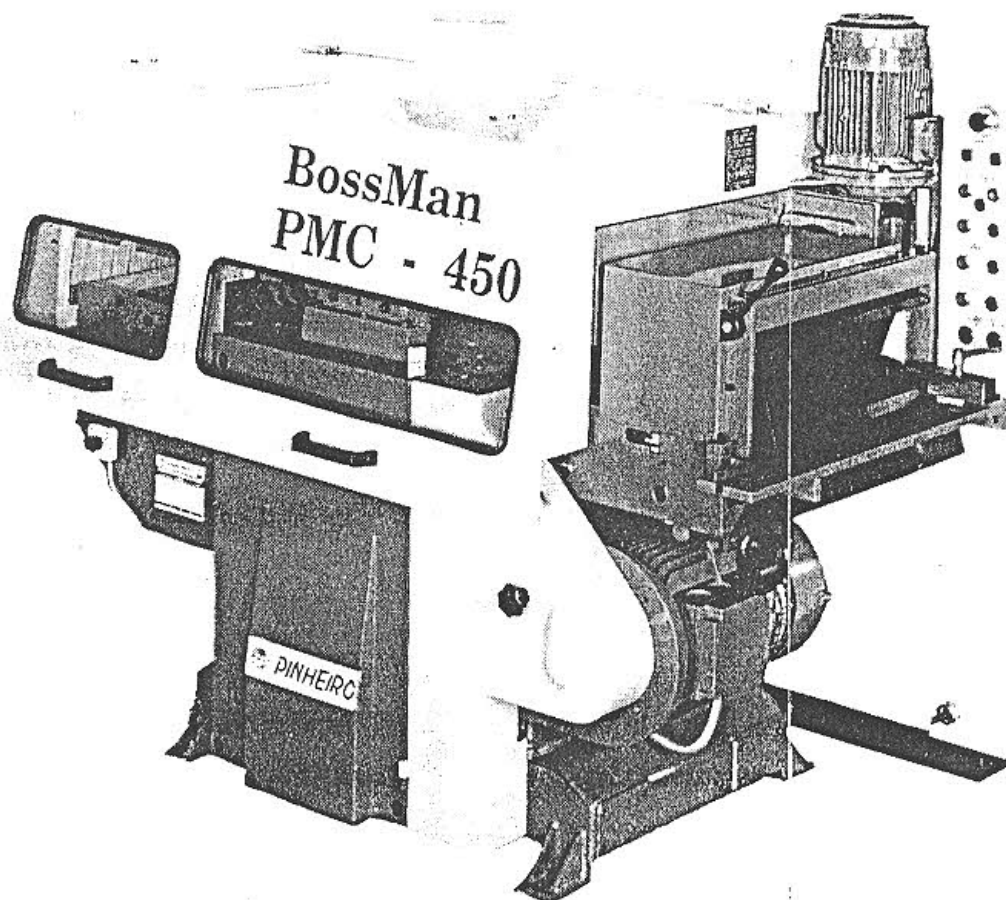


# BOSSMAN SERIES SPECIFICATIONS & PRICE LIST



## **BOSSMAN** PMC SERIES

ABSOLUTE SIMPLEST • MOST VERSATILE, PLANERS  
PLANER/MOLDERS • PLANER/RIPSAWS

### MODELS:

PMC-2	DOUBLE SURFACE FACING PLANNER
PMC-2+1	DOUBLE SURFACE FACING PLANNER WITH STRAIGHT LINE RIPPING DEVICE
PMC-2MS	DOUBLE SURFACE FACING PLANNER WITH RIPSAW
PMC-4	PLANNER / MOLDER
PMC-5	PLANNER / MOLDER WITH BOTTOM 5TH SPINDLE

### BENEFITS:

- LOWEST PRICE INDUSTRIAL QUALITY PLANNER/MOLDER/ RIPPER SERIES ON MARKET
- VERY COMPACT AND REQUIRES MINIMUM FLOOR AREA
- QUICK & SIMPLE TO SET UP AND MAINTAIN
- REQUIRES MINIMUM OPERATOR TRAINING
- PRODUCES A TREMENDOUS RANGE OF QUALITY WOOD PRODUCTS
- MODULAR DESIGN ALLOWS FOR ADD ON OF SPINDLES, ARBORS AND PROFILERS

PMC4 Serial 6206

MACHINE 600/4

# PMC "Bossman" Advantages

## DESIGN:

The development of this REVOLUTIONARY PMC "BOSSMAN" series of PLANERS, PLANER/MOLDERS and PLANER/RIPSAWS began at Auburn Machinery Inc. back in early 1988. From the beginning, was clear that this new approach to planing, molding and ripping had to offer both the primary and secondary American wood industries the MOST SIMPLE, USER-FRIENDLY, VERSATILE, COMPACT, EFFICIENT and ECONOMIC machines available on the world market. Tremendous time, energy and monies we invested to attain these goals. Much research into past, present and future market and industry trends we studied to enable us to design and build the RIGHT MACHINES FOR THE 90'S.

## FEATURES:

This PMC series has been designed to OFFER A VERY WIDE SELECTION OF WELL ENGINEERED FEATURES, including a rugged CNC machined steel frame, a fixed height main table to set to existing conveyer systems, a front bottom jointer head to plane out wide cupped boards without cracking them, a modular frame system to allow for the future addition of molding and ripping sections, precision head bearings to insure a high quality surface finish, protective machine covers to reduce noise and improve safety, simple access to all machine areas for efficient maintenance and an overall simplified design to minimize installation, training, set up, operating and maintenance costs. These are only a few of the well designed features that have been included to insure that the customer will experience a rapid and impressive return on their intelligent investment into this REVOLUTIONARY NEW PMC SERIES.

## FUTURE GROWTH:

The PMC "BOSSMAN" series has been designed to offer the customer the advantage of being able to minimize their initial investment into the PMC-2 DOUBLE SURFACER and to have the ability to expand this basic model into any of the other PMC models at anytime in the future. The STRAIGHT LINE RIP/HOGGING HEAD, SIDE HEADS, BOTTOM PROFILER and or the 18" WIDE GANG SAW ARBOR can be easily and economically added in the field. This efficient and innovative approach has been developed to offer every Pinheiro customer the ability to start small, to grow quickly and affordably, according to their individual needs and the opportunity to survive and prosper as their markets change.

## COST:

The PMC "BOSSMAN" series has been engineered to be the lowest priced industrial quality line of planing, molding and ripping machinery available. The entire development program centered around lowering the production costs by using as few moving parts as possible, by using modern CNC machining centers to produce high quality parts, by designing around off the shelf components, by keeping the machines as compact as possible, by minimizing the number of options and by manufacturing these machines in large numbers for the world market. The target was set to develop these machines to cost the customer between \$3.00 to \$6.00 per working hour to purchase, based on a 5 year financing program, and a bulls eye has been scored. A close study of all the features and capabilities of this series, along with a series study of current pricing on any other domestic or foreign planer/molder series, will quickly illustrate the profit generating potential and tremendous overall value of these new PMC "BOSSMAN" machines.

## OPTIONS:

In order to keep the production costs low and the system simple, a minimum number of important op

were developed, including larger motors for heavier production capabilities, a variable feed speed system for increasing production and better control of the finish, digital readouts for quick set up, linear counters for tallying production, a disposable tooling system to minimize tooling costs and phase converters to allow installation into operations without three phase power. More options will be developed as customer needs are expressed.

## **CAPACITY:**

Single, double, three and four sided planing, as well as molding, can be produced up to 6" thick and 18" wide on each of the PMC models, while 4" thick cants can be sawed on the 2MS gang saw attachment. These large capacity models offer tremendous product capabilities in a very compact and low priced machine.

## **PRODUCTION CAPABILITIES:**

Each standard model has a 30 and 60 F/M feed rate. An optional 10 to 75 F/M variable feed system is available. The heavier work of handling timber frame materials, log cabin timbers and large cants will be run at between 10 to 30 F/M. Products requiring a high quality finish, including moldings, flooring, paneling, custom millwork, etc., can be run between 30 to 60 F/M. More utility products like siding, landscape ties, construction materials, decking, fencing, etc., can be fed comfortably up to 75 F/M, if the proper size motors are installed. If your needs are simply to produce a limited amount of custom millwork per week or to ship up to several truck loads of landscape ties a day, or if you need a secondary machine to handle inventory control and special QUICK DELIVERY orders, this "BOSSMAN" series has been designed to offer every size and every kind of wood operation the maximum amount of capability for the lowest possible price.

## **CONSTRUCTION:**

The PMC series has a very rugged welded frame fabricated from heavy steel plate. The frame assembly is precisely machined on a state of the art CNC machining center to insure accuracy and quality. The parts that are manufactured in the Pinheiro factory are again CNC machined. The components that are purchased from outside suppliers must meet stringent quality requirements. The overall construction has been engineered to be VERY RUGGED, COMPACT, SIMPLE and CAPABLE OF DELIVERING MANY YEARS OF DEPENDABLE SERVICE.

## **SIZE:**

Since compactness was another priority, the basic PMC-2 DOUBLE SURFACE PLANER is less than 6' wide by 6' long. The basic PMC-4 PLANER/MOLDER and the PMC-2MS PLANER/RIPSAW are both less than 6' wide by 8' long. These models offer significant VALUE ADDED and HIGHER PROFIT MARGIN capabilities while requiring an absolute minimum amount of floor area.

## **TOOLING:**

The standard machines will include 5" diameter 4 knife planing heads. A variety a different design head can be installed, including corrugated heads, Newman QUIETCUT HELICAL CARBIDE heads, Tersa QUICK CHANGE DISPOSABLE KNIFE heads, carbide and stellite tipped wing cutters, disposable knife molding heads, as well as many other popular styles of modern tooling, depending on the customer's production requirements. The most popular tooling option has been the Tersa system, when only planing needs to be accomplished. This very popular and high quality Tersa system completely eliminates the need for grinding and jointing knives, for long knife set up downtimes and the need for set up gauges and wrenches. Each double edged disposable knife is simply slipped onto a precise locating shelf through the end of the head. Centrifugal force securely locks the knife into place once the head starts to rotate. It requires less than one



to change each knife and each knife is located within .001" of the entire cutting circle. This VERY SIMPLE, AFFORDABLE and WELL PROVEN tooling system is offered to SUBSTANTIALLY SIMPLIFY THE SET UP AND OPERATION OF THIS BOSSMAN SERIES.

## **MAINTENANCE:**

From day one of developing this new PMC series, a great deal of effort was dedicated to make these machines VERY SIMPLE TO ASSEMBLE, SET UP, OPERATE AND SERVICE. All of the motors are positioned outside the main frame in order to give technicians quick access for trouble shooting possible motor problems. The top sound enclosure quickly opens to expose the top feed system components and the top head assembly. Items like bearings, feed chains, electrical components and drive belts can be purchased from local suppliers. This series has been engineered to require a minimum of service and can perform dependably for many years if a well planned preventative service program is implemented and followed consistently.

## **ENERGY:**

Each head is powered by an individual electric motor so the operator can run only the heads required for any given job. The motors are wired star delta to reduce the energy requirements by 30% during the initial start up, lowering the customers DEMAND requirements. Optional high efficiency motors are available upon request. Significant resources were dedicated to design efficient feeding, holddown and cutterhead systems in order to reduce electrical energy and improve the profit margins while operating the "BOSSMAN".

## **TRAINING:**

A free and comprehensive training program is offered at the Auburn Machinery Inc. facility in Lewiston, Maine. A one day program is most often adequate to train even an inexperienced machine operator in the proper set up, operation and maintenance procedures. A longer training session is readily available when requested. In order to guarantee the maximum performance, longest production life and the highest level of customer satisfaction, IT IS IN YOUR BEST INTEREST THAT YOU HAVE YOUR PLANER OPERATOR PROPERLY TRAINED AT OUR FACILITY.

## **PARTS:**

Auburn Machinery Inc. has consistently been able to ship over 90% of all Pinheiro parts the same day as ordered, if the customer required this service. The same commitment has been made to offer this high quality level of service to our "BOSSMAN" customers.

## **WARRANTIES:**

Due to the quality engineering and confidence in this new series, the standard Pinheiro machinery warranty has been extended from 6 months or 1,000 working hours up to 12 months or 2,000 working hours. Longer extended warranties are available for customers who want the many benefits of a long term service contract and the ability to accurately account for their future operating costs. In order to guarantee the maximum performance, the longest production life and the highest level of customer satisfaction, IT IS IN YOUR BEST INTEREST THAT YOU HAVE YOUR PLANER OPERATOR PROPERLY TRAINED AT OUR FACILITY.

## COMPARISON:

If the PMC series has the production capabilities to meet your needs, and if you consider all of the benefits, features, advantages and very low costs, APPLES FOR APPLES, there simply is no competition to this PMC program. Most any used machine will have had many years of prior use, an unknown true mechanical condition, the possible problem of unavailable parts, the lack of any substantial warranty, questionable financeability and the likely problems of being inefficient, complicated, non user-friendly, expensive, not the right machine for the job and overall, not a good investment. All new machines with similar capabilities will cost several times the price, require more electrical energy and floor area, be far more complicated to set up, operate and maintain, will not be anywhere near as flexible and will not offer the overall capabilities of this PMC series. The simple fact is that if the "BOSSMAN" can handle your needs then the "BOSSMAN" IS THE BEST WAY TO INVEST YOUR MONEY!

## PINHEIRO "BOSSMAN" SERIES SPECIFICATIONS

SINCE THE BASIC PMC-2 DOUBLE SURFACER IS USED AS THE FOUNDATION TO BUILD ALL THE OTHER PMC MODELS UPON, THEY ALL SHARE THE SAME BASIC SPECIFICATIONS. THE STANDARD SPECIFICATIONS LISTED BELOW COVER THE ENTIRE SERIES IN GENERAL. ADDITIONAL SPECIFICATIONS RELATING TO SPECIFIC MODELS ARE LISTED AFTER THE DESCRIPTION OF EACH MODEL.

### STANDARD SPECIFICATIONS:

CAPACITY .....	6" x 18"	MAX S1S, S2S, S3S CAPACITY .....	6" x 18"
BOTTOM HEAD MOTOR .....	12 Hp.	MAX S4S & MOLDING CAPACITY .....	6" x 18"
TOP HEAD MOTOR .....	18 Hp.	MAX CHIP REMOVAL OF BOT HEAD .....	3/8"
FEED MOTOR .....	3 Hp.	MAX CHIP REMOVAL OF TOP HEAD .....	3/8"
FEED SPEEDS .....	30 + 60 FPM	MAX PROFILE DEPTH OF TOP HEAD .....	1"
TOP & BOTTOM HEADS .....	18" x 5" x 4 KNIFE	WEIGHT .....	4000 LBS
DIMENSIONS .....	55"L x 67"W x 65"T		

## PMC-2 DOUBLE SURFACE PLANER

This model is designed to single and double surface, to rough and finish plane both hardwoods and softwoods and is equipped to face plane even wide and cupped boards without splitting them. This model is modular in design and is prepared to accept the addition of a straight line ripping head, side heads, bottom profiler head and an 18" wide bottom saw arbor anytime in the future, if more product capabilities are required.

### STANDARD SPECIFICATIONS LISTED ABOVE:

## PMC-2+1 DOUBLE SURFACE PLANER WITH PRE STRAIGHTENING HEAD

This model is the same as the PMC-2, but a combination straight line ripping and hogging head has been installed on the right side of the bottom jointer head. This system allows random width material to be surfaced and straight line ripped while the waste edging material is hogged and exhausted through the dust hood.

### STANDARD SPECIFICATIONS PLUS THE FOLLOWING;

COMBINATION RIPPING/HOGGING HEAD ..9" x 1 1/4"

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## PMC-2MS DOUBLE SURFACE PLANER WITH BOTTOM SAW ARBOR

This model is simply the PMC-2 Double Surfer with an 18" bottom arbor added to handle both single and gang sawing. This machine can be set up with multiple bays to saw different widths simultaneously. The PMC-2MS is designed to handle single and double surfacing as well as S3S, S4S, ripping and molding.

### STANDARD SPECIFICATIONS PLUS THE FOLLOWING:

ANTI KICKBACK FINGERS .....	3 SETS	MAX SAWING THICKNESS .....	4 1/8
SAW ARBOR MOTOR .....	30 Hp.	SAW ARBOR .....	2 3/8" x 18
SAW SLEEVE DIAMETER .....	2 15/16"	SAW SPACER DIAMETER .....	4 3/4
DIMENSIONS .....	79"L x 67"W x 65"T	WEIGHT .....	4800 LB

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## PMC-4 PLANER/MOLDER:

This model is designed to produce a very wide range of quality S1S, S2S, S3S, S4S, profiled and molded product including moldings, custom millwork, timbers up to 6" x 18", log cabins, ties, fencing, squares, dimensional material and much more. A bottom profile spindle can be added to the outfeed section of this machine at anytime.

### STANDARD SPECIFICATIONS PLUS THE FOLLOWING:

SIDE HEAD MOTORS .....	9 Hp.	MAX PROFILE DEPTH OF SIDE HEADS .....	
SIDE HEADS .....	6" x 5" x 4 KNIFE	SIDE HEAD SPINDLE DIA .....	40 M
DIMENSIONS .....	79"L x 67"W x 65"T	WEIGHT .....	4800 LB

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## PMC-5 PLANER MOLDER WITH 5th BOTTOM SPINDLE:

This model is simply the PMC-4 PLANER/MOLDER with a bottom profile spindle added to the outfeed section of the machine to increase the product range possibilities and to add more profiling, single and gang sawing capabilities.

### STANDARD SPECIFICATIONS PLUS THE FOLLOWING:

5th SPINDLE MOTOR .....	9 Hp.	5th SPINDLE DIA .....	1 1/2
5th SPINDLE SAW SLEEVE DIA .....	2 3/8"	5th SPINDLE LENGTH .....	1
DIMENSIONS .....	94"L x 67"W x 65"T	MAX SAWING THICKNESS .....	1 1/4
		WEIGHT .....	5200 LBS