



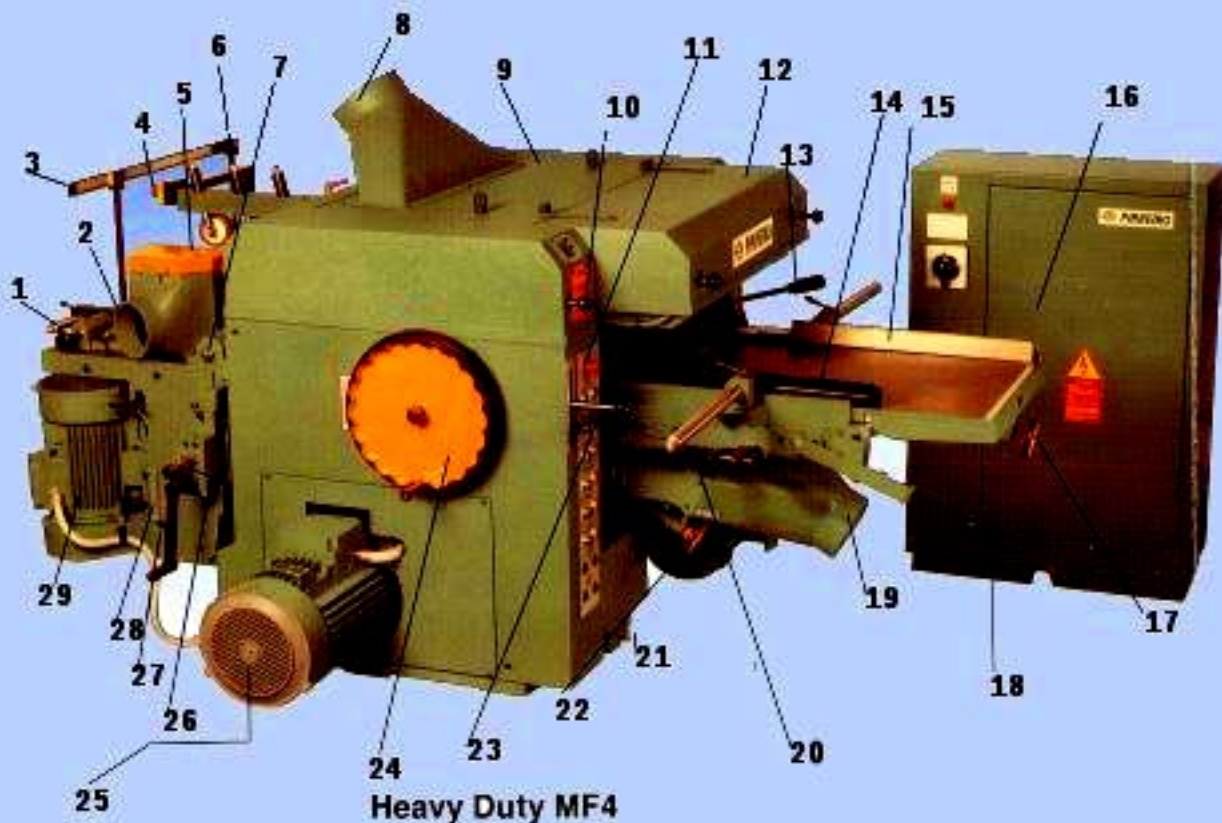
A few examples of the wide variety of quality products being produced with the Pinheiro MF4 Planer / Matcher / Molder.



# PINHEIRO

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**Heavy Duty MF4**

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|--|--|
| <b>1. REAR FENCE ADJUSTING DEVICE &amp; LOCK</b>     | <b>16. COMPLETE ELECTRICAL ENTRANCE</b>  |
| <b>2. 6" DIAMEETER DUST HOOD</b>                     | <b>17. 1ST BOTTOM FEED ROLL ADJUSTER</b>   |
| <b>3. SCALE FOR FINISHED WIDTH</b>                   | <b>18. CONTROL &amp; GAUGE TO REGULATE AMOUNT OF MATERIAL REMOVED BY BOTTOM CUTTERHEAD</b> |
| <b>4. REAR EMERGENCY STOP BUTTON</b>                 | <b>19. 7" DIAMETER BOTTOM DUST HOOD</b>  |
| <b>5. SIDE HEAD RAISING &amp; LOWERING SCREW</b>     | <b>20. BOTTOM CUTTERHEAD VERTICAL ADJUSTER</b>   |
| <b>6. REMOVABLE OUTFEED ROLLS</b>                    | <b>21. 15' ELECTRICAL CORD</b>   |
| <b>7. SPRING LOADED LEFT FENCE BASE</b>              | <b>22. 2ND &amp; 3RD BOTTOM FEED ROLL ADJUSTER</b>   |
| <b>8. 8" DIAMETER TOP DUST HOOD</b>                  | <b>23. HIGH &amp; LOW RANGE GEAR SELECTOR</b>  |
| <b>9. HINGED TOP COVER</b>                           | <b>24. TABLE RAISING &amp; LOWERING CONTROL</b>  |
| <b>10. LIFTING HANDLES FOR TOP COVER</b>             | <b>25. HEAVY DUTY TOP HEAD MOTOR</b>   |
| <b>11. FRONT EMERGENCY STOP BUTTON</b>               | <b>26. SIDEHEAD LATERAL ADJUSTERS</b>  |
| <b>12. 1ST. FEED ROLL ACCESS COVER</b>               | <b>27. SIDEHEAD LOCKING DEVICE</b>   |
| <b>13. VARI-DRIVE CONTROL</b>                        | <b>28. VERTICAL SCALE</b>  |
| <b>14. LEFT &amp; RIGHT ADJUSTABLE FENCE SYSTEMS</b> | <b>29. 9 HP SIDEHEAD MOTOR</b>   |
| <b>15. LEFT &amp; RIGHT ADJUSTABLE FENCE SYSTEMS</b> |  |

# THE PINHEIRO MF CONCEPT PLANING, MATCHING & MOLDING

This unique and modern concept is based on four key priorities, **SIMPLICITY**, **EFFICIENCY**, **FLEXIBILITY** and **ECONOMY**; and combines both American and European technology in **PLANING, MATCHING & MOLDING**. This series has been specifically engineered to offer the greatest amount of versatility to both the primary and secondary wood industries in order to handle the ever changing demands for wood products in both the domestic and foreign markets.

**SIMPLICITY:** Simple to install - Easy to set up and operate - Simple to maintain and repair - Requires minimum operator training —

**FLEXIBILITY:** Large 8"x24" capacity — Extensive selection of options, accessories and tooling available to handle production of a tremendous range of quality wood products - "QUICKSET" tooling concept allows for rapid changeover of products in only minutes - Both side spindles move horizontally and vertically - MF2 double surfacer can be expanded into MF4 simply and economically at anytime — Custom short runs can be produced both efficiently and profitably. The MF4 or MF5 can handle single, double, three and four sided product runs -

**EFFICIENT:** 5' wide by 9' long rugged machines require minimum floor area - Extensive **PLANING, MATCHING & MOLDING** capabilities in one simple and user friendly machine - All models are constructed with properly sized modern motors to offer maximum performance with minimum electrical demand - Infinitely variable feed system can be adjusted between 20' and 100' very quickly - Changeovers, for example from V-match to ship lap, can be accomplished in less than 10 minutes - Movable side heads allows for even wear of table surfaces, knives and feed rolls -

**ECONOMY:** Very low up front cost - Exceptionally low operating costs - Minimum electrical demand on start up — Can be operated by one man - Simple design including off the shelf bearings, chains and belts offers low maintenance costs - Efficient design allows for minimum training expense — Common sense concept requires very low set up costs - Ability to effectively produce everything from moldings to log cabins in one machine eliminates need to purchase several different machines - Wide selection of low priced options, accessories and tooling helps keep operating costs to a minimum - New MF4 can be purchased for little more than many old worn out planers - Complete MF system can be purchased for far less than just a new traditional planer/matcher

In conclusion, it should be stated here that Pinheiro has substantially proven it's commitment to efficiently serve the American woodworker and to lead the way in developing new machines and systems to offer both the primary and secondary wood industries the maximum amount of Efficient Flexibility at a very affordable cost, backed by quality service, parts and training programs.



First sectional feed roll and anti-kickback finger set raised to give plenty of access to the bottom head for setting knives and joining.



Front set of anti-kickback fingers, top three sectional infeed rolls, sectional chip-breaker, pressure bar and dust shields.



MF4 8" sidehead section that can be installed on MF2 at anytime to quickly convert the double surfacer into a 4 or 5 head planer/matcher/molder.

Illustration of feed rolls, outfeed hold-downs and cutter heads.

