



Quality Machine Tools / Precision Matthews  
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Quotation #	Date: 1-6-2016
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## Precision Matthews Model PM-1228VF-LB Metal Lathe

Item:	Price:
PM-1228VF-LB Metalworking Lathe Package	\$2,999.00
Stand with Chip Tray, for above lathe	\$299.00
Shipping Costs, 48 US States (Liftgate available, \$49 Extra If Needed)	\$199.00
Optional Equipment Listed Below	

### Machine Standard Features and Equipment:

#### **PM-1228VF-LB Main Features**

- **D1-4 CAMLOCK SPINDLE MOUNT, with LARGE 1.5" Spindle Bore**, Best in class for universal chuck mounting, and the ability to accept larger diameter work that can pass through the spindle for much easier setup
- **NOW WITH DIAL SPEED CHANGES FOR EASIER OPERATION**
- Large Morse Taper #3 bore in tail stock, to allow for larger accessories and more gripping power for those tough drilling jobs, yet you can just use a reducing sleeve for smaller MT accessories
- Power feed on Carriage, and Cross Slide, both left and right, and in and out, for both turning and facing operations with automatic feed. Allows for the best surface finish in all directions.
- Variable Spindle Speeds from 50-2000 RPM in 2 Steps to provide more torque at low speeds, and the ability to perfectly match the speed for the job for increased cutting tool life and better surface finishes
- **2 HP BRUSHLESS DC MOTOR**, for better torque, and best reliability during long term use
- Rigid Cast Iron Construction, for deeper cuts, and more vibration dampening
- Induction Hardened and Precision Ground Bed Ways to resist wear and give a long service life
- All gears and shafts in headstock hardened and precision ground for long life and quieter running
- High quality electronics used throughout machine
- Slip Clutch on feed rod, to help prevent overloading damage of feeds and allow the use of a solid carriage stop for repetitive work
- Precision Tapered Roller Bearings used in spindle, for the ultimate in long life, high precision, and best surface finishes
- Inch AND Metric thread cutting ability is a standard feature, with many quick change threads for less change gears. **15 different threads or feeds can be cut with one gear setup.** Many less gears to change compared to others in this class
- TRUE INCH PITCH main lead screw is 8 TPI, cross feed, tailstock, and compound slide lead screws are 10 TPI, which make it easier to use for the INCH measurement System, yet still has the Metric readings on dials for the ultimate in versatility for any job that may come about
- Splash oil bath lubrication in Thread/Feed Gearbox, and Apron, for efficient lubrication, and long life, especially compared to traditional open-non lubricated Thread/Feed Gearbox design, yet simple and reliable, and does not require any filter changes or pump maintenance as with oil pump lubrication systems. Also no risk of losing oil flow to expensive parts as there can be with pump lubricated systems
- **Longest in class, 3 Year Warranty for added piece of mind**



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## **PM-1228VF-LB Main Specifications**

Type	Variable Speed	
Max. Swing over bed	12"	
Max. Swing over cross slide	7"	
Center Height	6"	
Spindle Center Line Distance from Floor	Approx. 44" (With Stand)	
Max. Distance Between Centers	28"	
<b>Spindle Chuck Mount</b>	<b>D1-4, Camlock</b>	
Spindle Face to Tail Stock Spindle Face Max Distance	30"	
Width of Bed	7"	
Spindle Bore	1-1/2"	
Spindle Taper, Internal	MT #5	
Spindle Speeds (Variable, 2 Ranges)	Low: 50-1000RPM	High: 100-2000 RPM
Bed Length	38"	
Lead Screw Diameter / Pitch	3/4" / 8 TPI	
Feed Rod Diameter	3/4"	
Inch Thread Cutting Range	<u>5-72 TPI, 27 Different Threads</u> 5,6,7,8,9,10,11,12,13,14,16,18,19,20,22,24,26,28,32,36,40 ,44,48,52,56,64,72	
Metric Thread Cutting Range	.25-2.5mm Pitch	
Longitudinal Feed Range (Left and Right)	.0015-.0159 Inches Per Revolution	
Cross Feed Range (In and Out)	.001-.010 Inches Per Revolution	
Spindle Length through headstock, Protruding End to D1-5 Chuck Mounting face	Approx. 13"	
Spindle Length through headstock, Protruding End to 3 Jaw Chuck face	Approx. 16-1/2"	
Max Carriage Travel, Along Bed Ways	24"	
Cross Slide Travel	6-1/4"	
Compound Travel	3-1/4"	
Tail Stock Quill Diameter / Travel	1-1/4" / 4"	
Tail Stock Quill Taper	MT #3	
Main Motor Horsepower / Type	2HP / DC BRUSHLESS High Torque	
Voltage / Phase/ Amps	120 Volts, 13 Amps	
Max. Dimensions, Assembled (Includes cross slide handles)	49"H x 26"W x 50"L	
Foot Print (without Handles Included)	50"L x 21" Front of chip pan to back of splash guard	
Approximate Machine Weight	Machine only, 490 Lbs, With Stand, 600 Lbs	



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**Standard Equipment for precision Lathe Model # PM-1228VF-LB:**

- 6" 3 Jaw Chuck
- Chip Tray
- Steady Rest
- Follow Rest
- Feed Rod Clutch
- Operator's Manual and Parts List
- 3 Year Warranty
- Back Splash Guard
- D1-4 Camlock Spindle Mounting
- Reducing Sleeve (For Spindle)
- Tail Stock Dead Center
- Headstock Dead Center
- Inch/Metric Threading Ability

**Optional Equipment for Lathes**

- Digital Readout, 2 Axis
- 5-C Collet Chuck,, D1-4 Mount
- 8" 4 Jaw Jaw Chuck
- Wedge Type Quick Change Tool Post Set, AXA
- 5C Collet Set (Inch or Metric)
- \$699.00 Installed
- \$279.00
- \$249.00
- \$159.99 (No Machining Required, bolt on)
- \$139.95

**Validity:** 30 Days

**Delivery:** approx. 9-12 weeks until we have stock at this time

**FOB:** \$199 shipping to your location, Liftgate Delivery \$49 if needed

**Terms:** 20% Deposit to order, balance at time of shipment

Sincerely,

Matt Nadeja

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