

CNC-PDM-12 guide screw series
PDM-1212



PDM guide screw series is our new model with whole steel structure. Double aging treatment for the machine body, brand-name motor driver, ensures the kinematics accuracy and the reliability.

Performance:

1. The precision straight guide rail has pretension, good rigidity and high accuracy. Its life time can reach 2200 times longer than the ordinary track.
2. Germany double screw nut with auto the ball guide screw. The grinding gear precision ball guide screw has pretension and high accuracy.
3. The interface adopts international standard G code instructions which is compatible with domestic and foreign engraving software and is easily and conveniently operated. It can manufacture fancy embossment, shadow engrave and 3D arts.
4. X-axis adopts the dustproof structure. It ensures the long-time running function of the machine and this is a great change than the primary machine.
5. Performance in continuing engraving after point breaks and blade breaks. Hold more than 9 points. Engrave at discretion.
6. High power frequency water-cooling main spindle can cut into $\frac{3}{4}$ "~ $1\frac{1}{4}$ " organic glass for one time.

Technical parameters:

Model	PDM-1212	PDM-1218	PDM-1224
X、 Y working area	47 $\frac{1}{4}$ " x 47 $\frac{1}{4}$ "	47 $\frac{1}{4}$ " x 71"	47 $\frac{1}{4}$ " x 95"
Z working area	>4"	>4"	>4"
Table size:	51" x 56"	51" x 86 $\frac{1}{2}$ "	51" x 105 $\frac{1}{2}$ "
Max. Speed:	16' – 20'/min	16' – 23'/min	16' – 23'/min

Working delicacy	0.00015''	0.00015''	0.00015''
Repositioning Accuracy:	0.00015''	0.00015''	0.00015''
Power (not include the spindle):	400w	450w	550w
Dimension of packing: (Length x width x height)	5 3/4' x 5 3/4' x 4 1/2'	8' x 5 3/4' x 4 1/2'	10' x 5 3/4' x 4 1/2'

- Frame: Steel structure
- X,Y, Z Structure: Round orbit (Optional: change Y axis to square orbit), Ball screw (Y axis double nuts)
- Control system: Computer control (optional: DSP black handle control system with USB interface)
- Spindle Power Motor: 1.5Kw water cooling spindle (optional: change to 2.2KW, 3KW, 4.5KW)
- Spindle rotating speed: 0-24000rpm/min
- Drive Motors: Stepper system
- Working Voltage AC120V/60Hz
- Command Language: G code
- Running Environment Temperature: 0 ~ 45; Relative humidity: 30% ~ 75%
- Surrounding for software: Windows98/2000/xp
- Other optional parts: Flume / Vacuum system
- Packaging plywood

Field of application:

Advertising industry, seal industry, craft and gift, art mould, wood working, mould etc. applicable material including on acrylic, double-color board, PVC, ABS board, stone, imitation stone, metal, Aluminum Mold etc.

1. Woodwork industry: sewing machine table, machine cabinet panel, sporting equipment, wooden door etc.
2. Advertising industry: engrave and cut various signboards, marble, copper, character mold, font. And various metal sign, brand.
3. Craft & gift industry: engrave various word or graph on the souvenir and handicraft, ironwork engraving, dials.
4. Mould industry: architecture, Gilt membrane, electric machinery, High frequency mold, molding on shoes, badge, embossed mould, biscuit, candy, and chocolate mould
5. Stamp industry: it is easy and convenient to seal on various materials such as ox horn, plastic, organic board, wood etc.

Standard configuration

PDM-1212

1. Steel structure
2. Y Square orbit,
3. Ballscrew(Y anxis double nuts)
4. Weihong control system
5. 1.5Kw water cooling spindle
6. Cutting tools 22pcs. (include 3D cutter and milling bottom cutter)
7. 2 collets
8. Clamp 6 pcs
9. Water pump

Unit Price: \$6'600.00

Options:

1. DSP control system: (with USB connection)+ \$736
2. X,Z axis change to square orbit + \$700
3. Change to 2.2KW (120V) + \$440
4. Change to 3KW (120V, 240V) + \$880
5. Vacuum system with vacuum pump + \$1176
6. Dust collector + \$590
7. Flume + \$352