

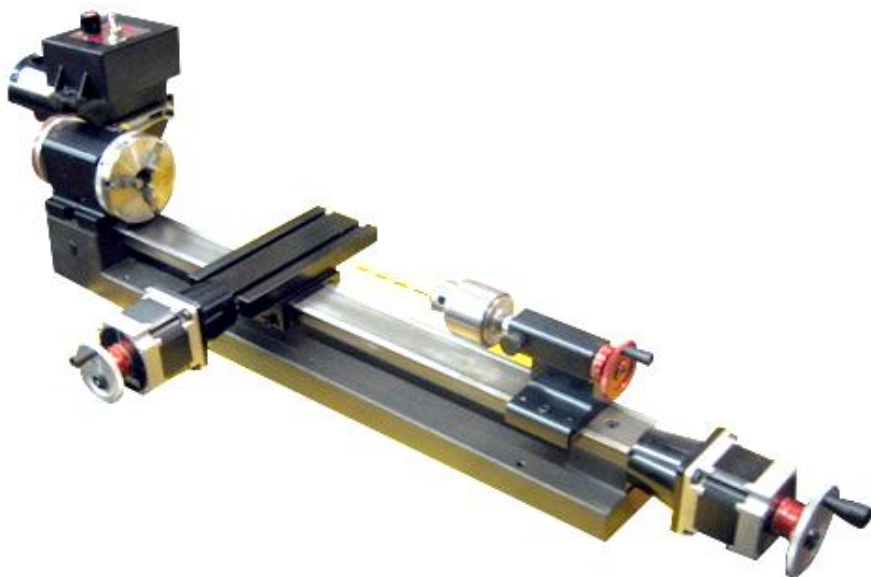
SVPLASER CNC

COMPLETE CNC SOLUTION

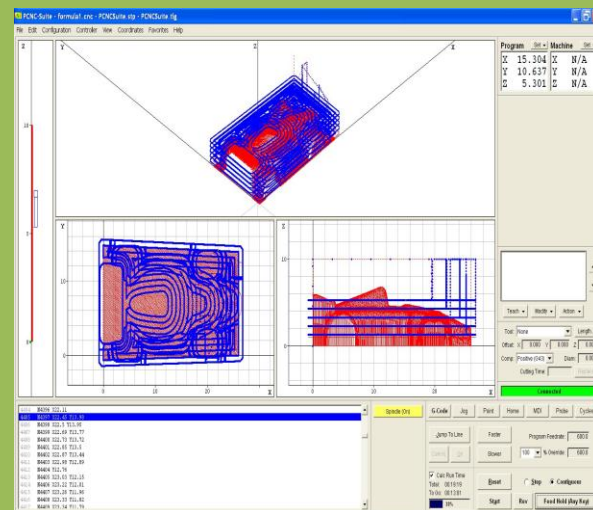
1000 SERIES

Table -Top Lathe Machine

For Prototyping and Light Production



**Easy - to- Use,
Entry - Level CNC LATHE
With Sophisticated
Capabilities**



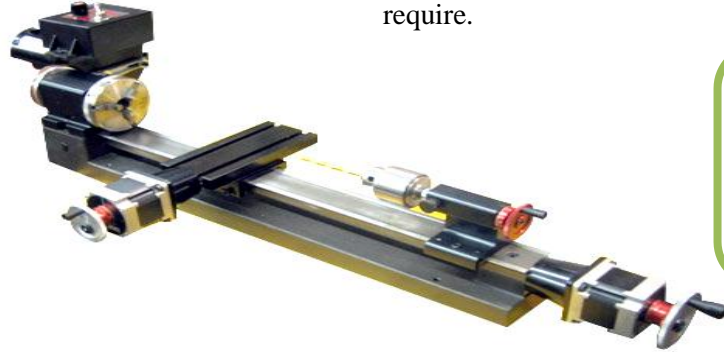
**Model 1000
Prototyping and
Production
CNC LATHE**



1000 Table Top Lathes

Now you can get an entry-level CNC machine without sacrificing quality, durability, or ease of use. SVPLASER CNC 1000 series table-top machine tools combine the power of your personal computer with (PCNC) powerful control software, to give you an extremely economical CNC solution that doesn't cut corners when it comes to reliability, accuracy, or versatility. These machines are ideal for lab technicians, jewelry makers, hobbyists, entrepreneurs, schools, or any light-production manufacturing environment.

The 1000 is a CNC lathe. With any of these machines, even a novice can be up-and-running quickly, and produce virtually any simple, small part, out of aluminum, brass, plastic, or wood.



The SVPLASER CNC Table Top Series Lathes is perfect for Prototyping and light Production. Shown here is the 1000 CNC Lathe.

Typical Applications:

- Rapid prototyping
- Light Production
- Jewelry
- Mold making
- Engraving
- Woodworking
- Lab Work
- Education
- Hobby

Important Features:

- Reliable, high quality machine tool
- Powerful, intuitive windows – based control system
- Fast and accurate
- Wide range of tooling and accessories
- Cuts steel, aluminum, brass, Plastic, wood, wax and more
- Powerful motors and motor drives
- Direct import from CAD for Simple designs
- CAM Software available for complex 3D models
- Choice of Stepper or servo control system
- Variable spindle speed upgradable to 10,000 RPM
- Exceptional technical Support
- Exceptional Value
- Optional 4th Axis

And in the Hands of an experienced machinist, these CNC machines can produce highly-complex 3-dimensional shapes exacting tolerances. The 1000 is available in servo and stepper versions.

PCNC windows-based control software is behind these machines quick learning curve, as well as their ability to perform sophisticated tasks. And SVPLASER CNC gives you unsurpassed technical support – whether you're a novice with a basic question, or professional seeking detailed information.

Your SVPLASER CNC machine tool is also a wise long – term investment, with a wide range of available options and upgrades to adapt the anything your future needs might require.

Components Included:

1000 CNC Lathes:

- Tabletop lathe with Integrated Motor Mount
- Included Accessories: tailstock, Rocker tool post
- High –Speed Steel Cutting Tool, 3.1” 3- Jaw Self – Centering chuck, Jacobs 3/8” tailstock Drill Chuck, #0 Morse Arbor, #1 Morse Arbor with Draw bolt

All Lathe Models and retrofits:

- PCNC Control Software
- All Required Cables
- Software and Hardware Manuals
- Free technical Support

Stepper Control System:

- 2 or 3 –Axis, Compact CNC Micro stepping Controller
- (2 or 3) Size 23,156 oz-in Stepper motors w/cables

Servo Control System:

- 2 or 3- Axis, 8-12 Ams Pro-Series Servo Controller
- (2-3) Size 23, 151 oz-in servo motors w/cables

1000 Table Top Lathes

Specifications:

<u>Description</u>	<u>CNC Lathe 1000</u>
X axis Travel (mm)	100
Y Axis Travel (mm)	-
Z Axis Travel (mm)	180
Distance between Centers (mm)	430
Swing Over Bed (mm)	90
Swing Over Carriage (mm)	45
Resolution (mm)	0.003
Throat (mm)	-
Spindle Nose Thread	3/4" – 16 T.P.I
Spindle Nose Taper	#1 Morse
Spindle Speed Range (rpm) (Upgradable to 10,000 RPM)	70-2800
Hole Through Spindle (mm)	10
Spindle Power	0.5
Tailstock Spindle Taper	#0 Morse
Head Stock Rotation Left -right	-
Column Rotation– Left – Right	-
Column Pivot Front – Back	-
Column Pivot Left – Right	-
Column Travel In-Out (mm)	-
Width Overall (mm)	820
Depth Overall (mm)	220
Height Overall (mm)	200
PC Interface	USB
Stepper Control System	
Drive Type	Bi-Polar Micro step
Drive Current (amps/axis)	2.5A
Motor Torque (Nm, all axes)	1 Nm
Maximum Feedrate (mm/min)	625 (XY), 500 (Z)
Servo Control System	
Drive Type	Closed – Loop Servo
Drive Current (amps/axes)	8 Continuous, 12 peak
Motor Torque (Nm,all axes)	1 Nm
Maximum Feedrate (mm/min)	1100 (XYZ)

Accessories and Upgrades

Description

Spindle On/Off relay Box (2 Channels, up to 10 Amps total)

Limit /Home Switch Kit – Lathe

Limit/Home Switch Cable (use –FO –SWCH for 2000 and 5400 Mills)