



PCB Prototype Machine

Nvis 72



If you are an impatient circuit designer who wants to replicate software design on the PCB with high precision and accuracy, and also without investing much of your valuable time and efforts, we have an exciting solution for you.

Nvis 72 PCB Prototype Machine provides several features which can make your life easier. With this new electro-mechanical utility, you can escape cumbersome task of traditional PCB designing which involves time taking etching and drilling processes. Get rid of dealing with chemicals which often spoil your hands and are harmful to you and environment. Provided with the USB connectivity, Nvis 72 can print your desired circuit on the PCB within minutes. Accompanied design software provides simple and elegant interface which is user-friendly, and can even be operated by novice Engineers and Students.

Features

- Versatile PCB prototyping
- Auto depth adjustment
- Position Selection facility
- Light for work area
- Micro drilling & milling
- Pause/Resume option
- Process Logging
- Design two layer PCB
- Emergency Stop and Play
- PC based Software with interactive GUI
- PCB Viewer
- Software support both TINA and Eagle files
- Rugged and fully protected
- Simple and Easy to operate
- Step by Step execution
- Chemical free operation
- USB Interface
- Energy efficient
- Online Product Tutorial

Technical Specifications

Working area	: 230x200mm
Min drill hole size	: 0.3 mm
Min cutting trace/space	: 0.1mm (4mil)
X/Y Resolution	: 0.006 mm
Spindle speed (MAX. RPM)	: 25000 rpm
Spindle Motor	: BLDC Motor
Depth sensing and adjustment	: Automatic, Software controlled
Tool change	: Manual
Tool holder	: 1/8 inch
Auto Bit protection	: available
X/Y/Z driver	: Stepping Motor
Dimensions (W x H x D)	: (432x320x455) mm
Weight	: 28kg (approximately)
Power consumption	: 110/220VAC, 50W
Sound/Dust Enclosure	: Integrated
Operating System	: Window XP/7/8



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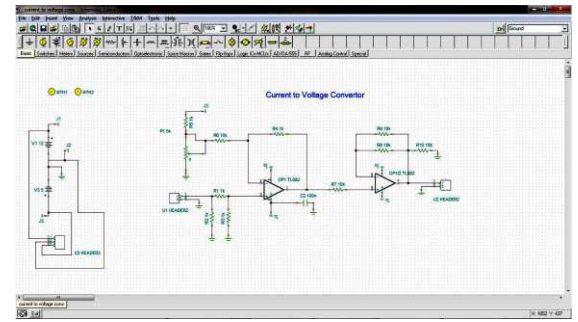
Included Accessories

- Software CD 1 No.
 - Nvis 72 Software
 - USB Drivers
 - 40+ circuits and PCB examples (TINA and Eagle)
 - Eagle setup (Evaluation version)with G-code generator
 - PPT on how to use TINA and Eagle software
- Tina9 Design Suit (student version) 1 No.
- Brush 1 No.
- Allen key 2 Nos.
- Adhesive tape 1 No.
- Copper clad boards (single side 140 x 140mm) 4 Nos.
- Nose pliers 1 No.
- Power cord 1 No.
- Nvis 72 Power Supply 1 No.
- USB cable A to B (with filter) 1 No.
- Patch cord 8" (2mm) 1 No.
- Tool set 1 No.
 - Router Bits 2 Nos.
 - Engrave bits (90°) 2 Nos.
 - Drill bits 6 Nos.

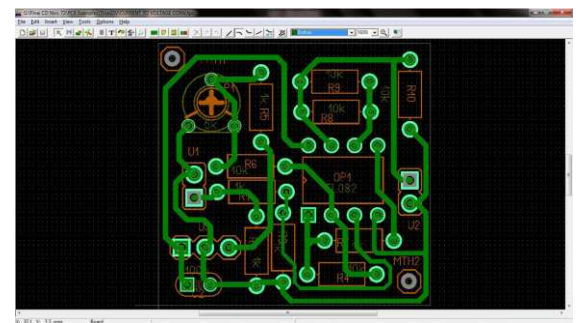
Nvis 72 PCB Prototype Machine is ideal to plot PCB for applications:

- High power PCB
- Analog PCB
- Digital PCB
- Antenna for RF and Microwave circuitry
 - Microstrip Antenna
 - Printed Antenna
 - Patch Antenna

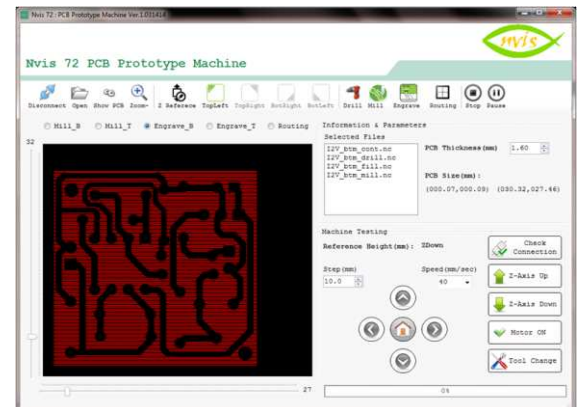
Schematic



PCB Layout



Nvis 72 Software



Designed and Manufactured in India by -

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