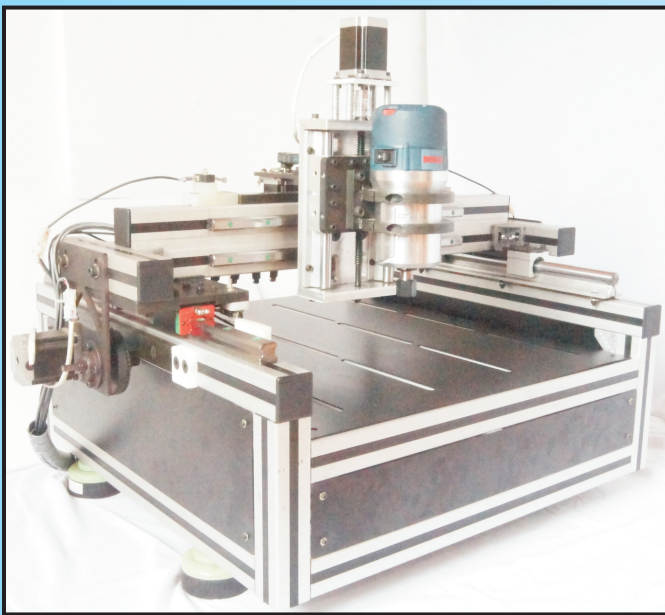


SVP LASER TECHNOLOGIES PVT. LTD.

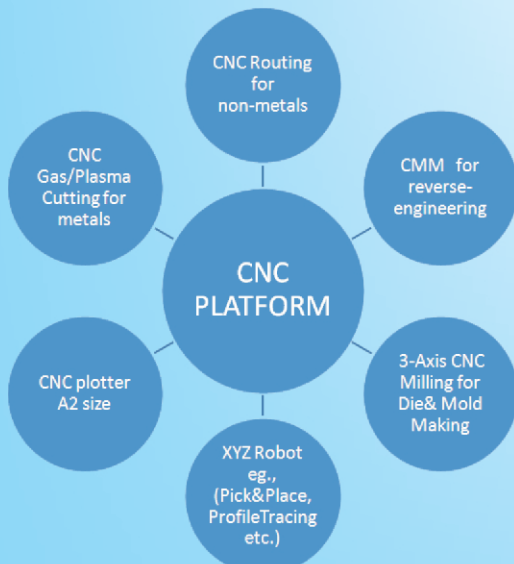
27/B-3 SIDCO INDUSTRIAL ESTATE, THIRUMUDIVAKKAM, CHENNAI-44.
Ph: 044-22450743, SALES@SVPLASER.COM, WWW.SVPLASER.COM

FULLY PROGRAMMABLE CNC MACHINE + CMM MACHINE + XYZ ROBOT. THE BEST AND MOST AFFORDABLE PLATFORM FOR FABRICATION + MEASUREMENT + CUSTOM AUTOMATION REQUIREMENTS.

CNC MILLING / ROUTER MACHINE



APPLICATIONS



MACHINE CAPABILITIES :

- PROTOTYPE 2D/3D COMPONENTS IN WOOD, PLASTICS & NON FERROUS METALS
 - 2D PROFILE CUTTING ON ANY METAL USING PLASMA TORCH (*)
 - CMM MACHINE FOR MEASUREMENT + REVERSE ENGINEERING
 - USE IT AS A2 SIZE PLOTTER (*)
 - USE IT TO MAKE VINYL SIGNS (*)
 - USE IT AS A PICK AND PLACE ROBOT (*)
 - MAKE PROTOTYPE PCB's
 - USE IT AS A RAPID PROTOTYPING MACHINE
 - DIE BOARD CUTTING
 - USE IT TO MAKE DIES & MOULDS (PROGRAMMABLE 3D MILLING)
 - HYLAM SHEET CUTTING FOR SWITCH BOARD
 - FULLY PROGRAMMABLE VISION GUIDED XYZ ROBOT. CAN BE ADOPTED FOR A WIDE VARIETY OF AUTOMATION APPLICATIONS.
 - USE IT TO CREATE ART WORK.
- (* OPTIONAL ACCESSORIES)

BASIC PACKAGE

- 3-axis CNC MILL (2'x2' size) WITH 2 H.P. BOSCH MOTOR
- SPRING LOADED PEN-PLOTTER
- PC NC-SUITE CONTROLLER AND SIMULATION SOFTWARE
- AUTOCAM2D SOFTWARE

OPTIONAL ACCESSORIES:

- VINYL CUTTING KNIFE KIT FOR SIGN MAKING
- DIAMOND ENGRAVING TOOL
- HOT KNIFE CUTTER FOR THERMOCOL CUTTING
- 2D CMM USING RED POINT LASER
- 2D CMM USING CAMERA
- 3D CMM USING TOUCH-PROBES
- JUSTCAM AUTO-NESTING SOFTWARE
- 3D SHAPE ROUTER PACKAGE
- PCB PROTOTYPING STARTER KITS
- OXY-FUEL TORCH FOR CUTTING MILD-STEEL
- PLASMA TORCH FOR CUTTING METALS (MS, SS, Aluminium, Copper, Brass etc.)
- LONGER MACHINE STROKE (UPTO 8'X4')
- SERVO MOTOR OPTION

WIDE VARIETY OF MATERIALS CAN BE MACHINED:

NON METALS : WOOD, ACRYLIC, POLYCARBONATE, NYLON, TEFLON, DELRIN, ABS
PLASTIC, PU, PP, PVC, HIPS(HIGH IMPACT POLYSTYRENE), FOAM, ETC.

METALS : ALUMINIUM, COPPER, BRASS, ETC.,
M.S., S.S., (WITH PLASMA TORCH)

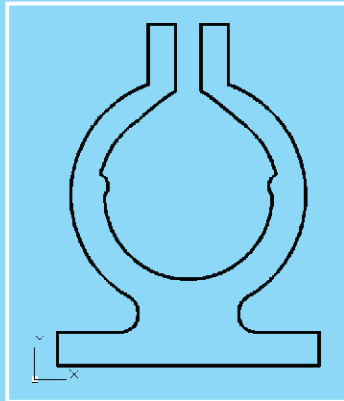
CUTTING THICKNESS : 1MM-40MM

COMMERCIAL APPLICATIONS

- SWITCH BOARD CUTTING
- SIGN BOARD (ACP / ACRYLIC)
- MARRIAGE DECORATION
- WOODEN ENGRAVED NAME PLATES
- STICKER CUTTING
- INDUSTRIAL JOB WORKS

SAMPLE COMPONENTS MACHINED

2D PART



2D CAD Model



Machined Part

3D PART

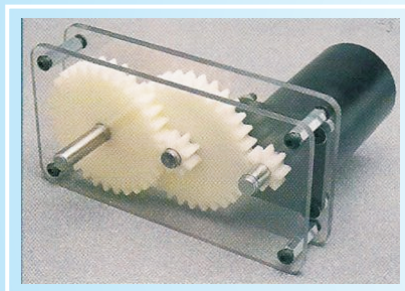


3D CAD Model



Machined Part

Sample Projects that can be made using CNC Machine



Acrylic & Nylon



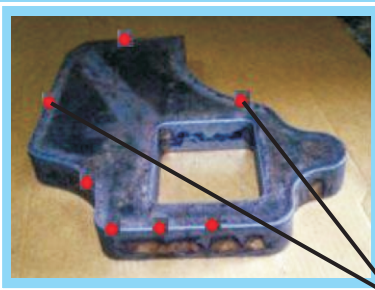
Wood



Metals

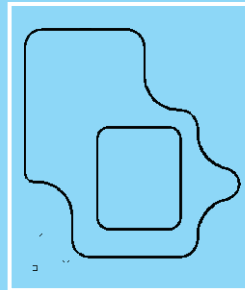


Non Contact CMM : Laser/Camera Based CMM

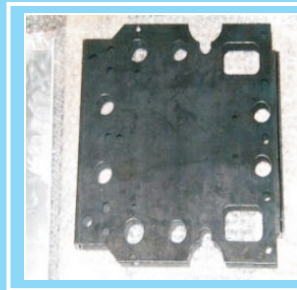


Physical Part

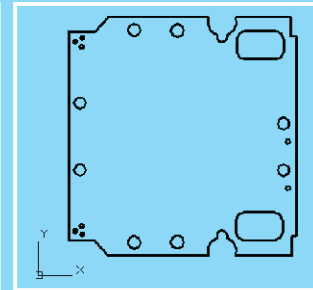
Laser



CAD Drawing



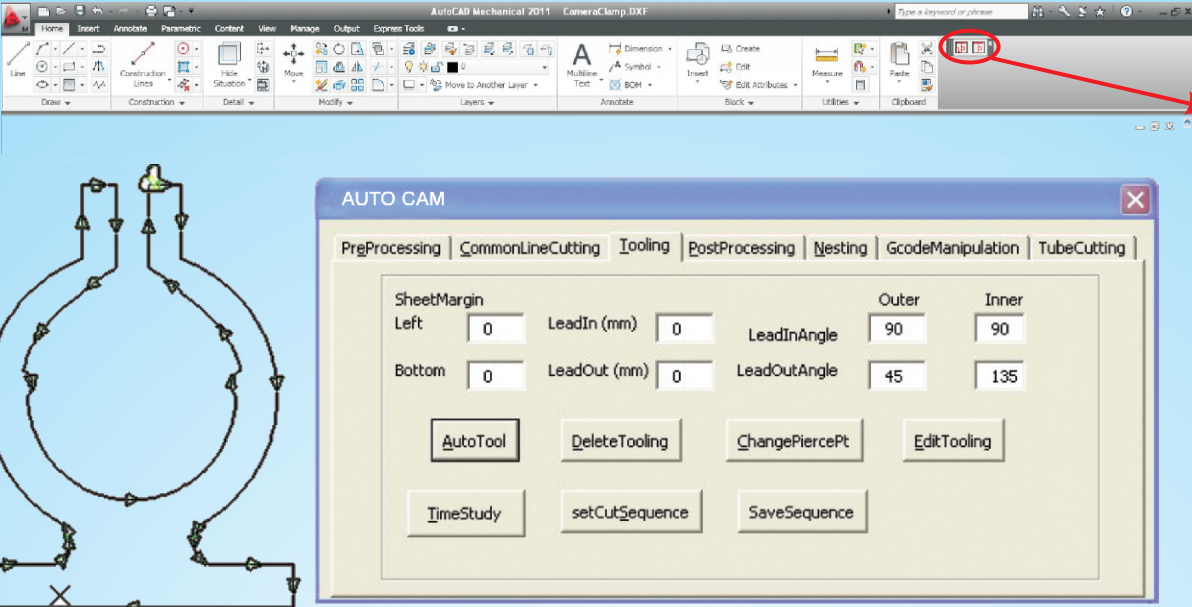
Physical Part



CAD Drawing

It can be used for measurement purpose and to Reverse Engineer the Parts.

AUTO CAM 2D



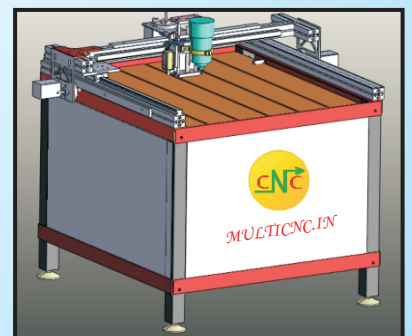
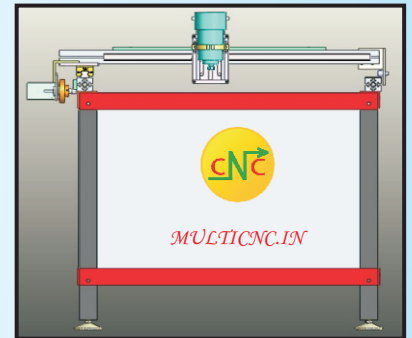
The image shows the AutoCAD Mechanical 2011 interface with the AUTOCAM 2D tool bar highlighted. The tool bar is located inside the AutoCAD environment and contains various icons for creating and editing 2D CAM programs. The AUTOCAM software window is also shown, displaying the 'CommonLineCutting' tab with settings for SheetMargin, LeadIn, LeadOut, and LeadAngle. The window includes buttons for AutoTool, DeleteTooling, ChangePiercePt, EditTooling, TimeStudy, setCutSequence, and SaveSequence.

AUTOCAM
Tool bar
Inside AutoCAD
environment

Tool the part,
Generate G Code &
Import to CNC
from AutoCAD

SPECIFICATIONS

Type	CNC MILL / ROUTER
No. of Axis	3 axis cutting (XYZ)
Cutting size (XYZ Stroke)	Model : CNC2x2 : 600 x 600 x 75 mm Model : CNC1x1 : 300 x 300 x 75 mm
Table size (Foot Print)	1000mmx1000mm
Resolution	X,Y : 20 microns , Z : 10microns
Move Speed	0-4000 mm/min
Cutting Speed	0-2000 mm/min
Controller	3-axis interpolating CNC controller
Motors	2.8 Amps micro stepping Motors
Drive System	Rack and Pinion
CAM Software	AUTOCAM 2D™ SOFTWARE
Input Power	220V, 50Hz, 1500W
Spindle Motor	Bosch/Makita 2 HP AC Universal Motor
Spindle Speed	Variable upto 24000 rpm



WARRANTY : One year warranty on parts against manufacturing defects.

Visit our factory to see a live demo of the machine
Contact

DESIGN OFFICE:

No. 21/A (1st floor)
ThrowPathi Amman Koil 1st Street
Velachery, Chennai – 42
Ph: 044 – 22450743, 95001 22107

FACTORY:

No. 27/B-3, SIDCO Industrial Estate
Thirumudivakkam
Chennai - 44
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