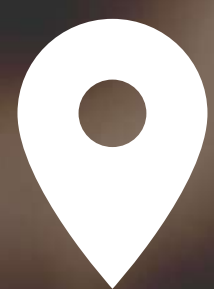




TURN YOUR IDEAS INTO REALITY



IKP EDEN Makerspace

# IKP EDEN

IKP EDEN is a premium startup innovation hub in Bangalore. IKP EDEN is equipped with an in-house maker space that includes world-class equipment and machines.

The maker space is a great place to build and test your prototype, validate your business hypothesis by manufacturing in small batches and scale your production.

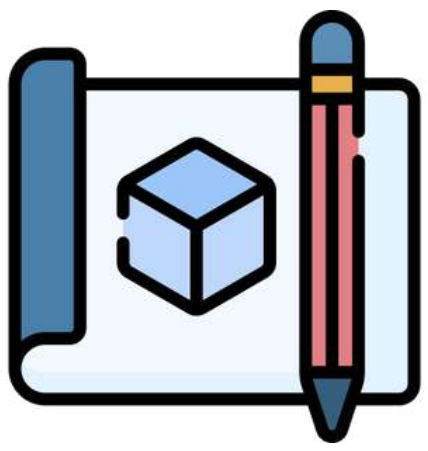
**Our USP is in building products FASTER, at AFFORDABLE price.**

## OUR VISION

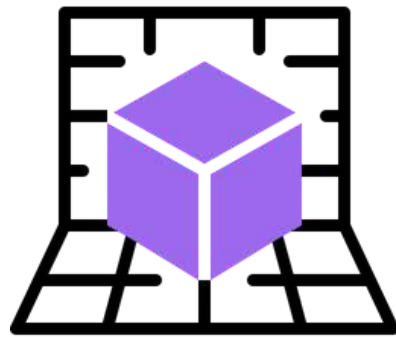
**Help Startups Build World Class Products Faster**



# We help at every stage of your Journey



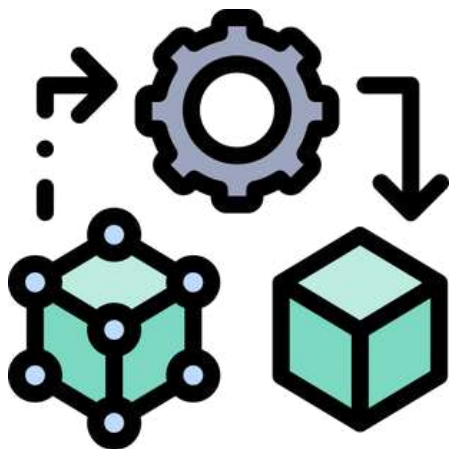
Concept  
Generation



3D Modeling



Photo Real  
Rendering



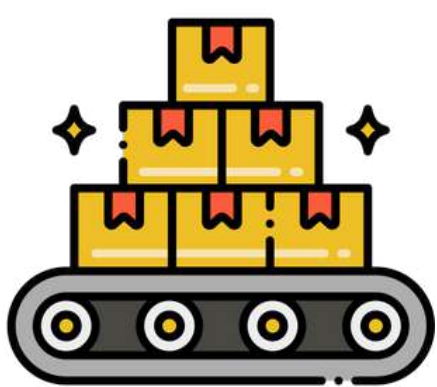
1st off  
Prototype



Manufacturing  
Drawings



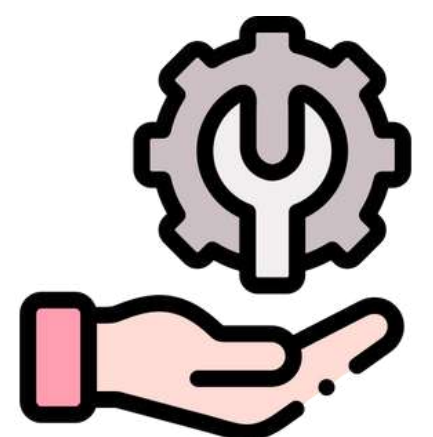
Analysis



Batch  
Production



Production  
Hand-off



On-going  
Support



# Vertical Machining Center

**Model:** Haas VF-2 (4 axis)

**Features:**

- XYZ Stroke: 762\*406\*508mm
- Positioning Accuracy: +/-0.03mm
- Repeatability: +/-0.015mm
- Axes: 3 linear + 1 rotary
- Spindle Speed: 8000 rpm



**Tools Available:** End mills, Face cutter, Ball nose, T cutter.

## Product Showcase





# CNC Turning Center

**Model:** BFW Orbitur+

**Features:**

- Chuck Dia: 165 mm
- Bed Length: 500 mm
- Positioning Accuracy: 10 microns
- Repeatability: 20 microns
- Spindle Speed: 40-4000 rpm

**Tools Available:** Turning tool, Boring tool, Grooving tool, Parting tool.



## Product Showcase





# Metal Laser Cutting

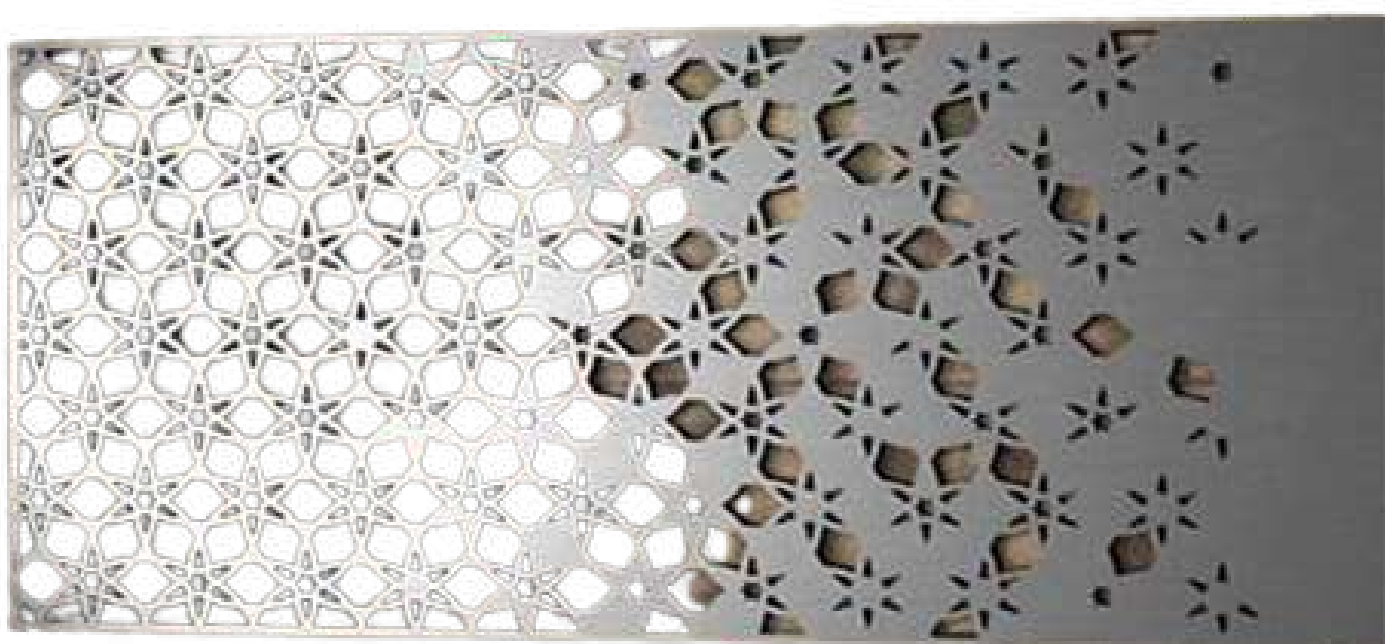
**Model:** Fiber Laser Cutter  
CMA1325C-G-G

## Features:

- Laser Power:  
300~1000W
- Working size:  
2500\*1300 mm
- Max Sheet Thickness:
  - Mild Steel - 6mm
  - Stainless Steel - 3mm
  - Aluminium - 1mm



## Product Showcase





# Press Brake

**Model:** Siddhi Hydraulic

**Features:**

- Max Sheet Thickness: 6mm (Mild Steel)
- Max Sheet Width: 1300mm
- 60 ton capacity



## Product Showcase





# DRO Milling Machine

**Model:** KRUTZ

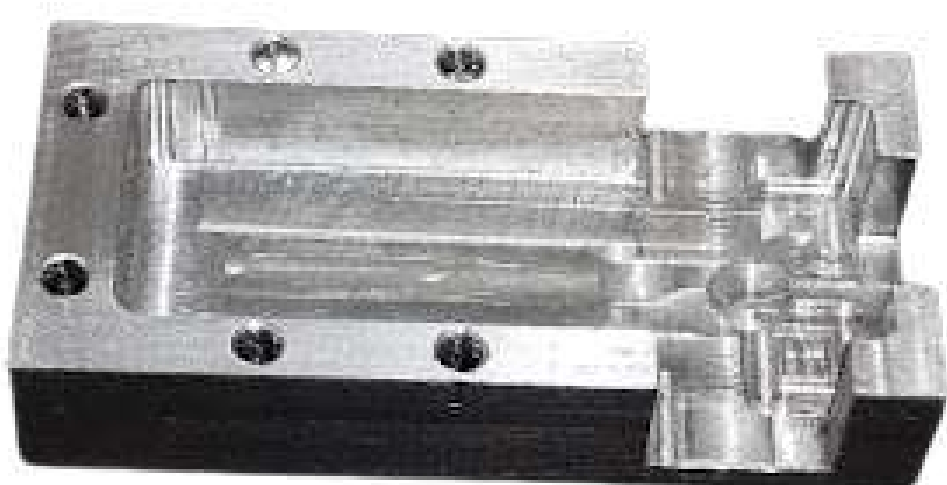
**Features:**

- Table Size: 230\*1067
- XYZ Travel: 762\*682\*305mm
- Head Tilt (2 axis): +/- 45deg
- Spindle Motor: 3HP

**Tools Available:** End mills, face cutter, Ball Nose cutter.



## Product Showcase





# Lathe

**Model:** Balaji Cone Pulley Light Duty

**Features:**

- Swing Over-bed: 425mm
- Max Length: 550mm
- Spindle Motor: 2HP

**Tools Available:** Facing tool, Turning tool, Boring tool, Drill Bits.



## Product Showcase





# Bench Drilling Machine

**Model:** Robin Punjab

**Features:**

- Spindle Motor: 0.5 HP
- Chuck Diameter: 0.75 inch
- 1 HP 3 Phase motor

**Tools Available:** Drill Bits



## Product Showcase





IKP  
EDEN

# Welding Station (ARC& TIG)

**Model:** ARC control 200

**Features:** Only Mild Steel and Stainless Steel

**Tools available:** Electrode for ARC welding, Tungsten rod for tig welding.



## Product Showcase





# Injection Moulding

**Model:** Texwin/WIN40D

**Features:**

- Shot Capacity: 100g at 12 ton pressure
- Max Mould Size: 250\*250mm
- Mould Thickness: 12 ~400mm
- Mould Opening: 130mm
- Daylight Gap: 400mm

**Tools Available:** Mould Fixtures



## Product Showcase





# Vacuum Thermofforming

**Model:** Trident Machinery

**Features:**

- Forming Area: 610\*610mm
- Max Job Height: 305mm
- Materials: PC, Acrylic, HIPS, ABS, PP, PE, PVC, A PET, G PET

**Tools available:** Mould  
Fixtures



## Product Showcase





# 3D Printer (FDM)

**Model:** ZMorph Vx

**Features:**

- Build volume: 250\*235\*165
- Layer Thickness: 0.2mm
- Materials: ABS and PLA
- Input file type: .obj or .stl

**Tools available:** Filaments



## Product Showcase





# 3D Printer (SLA)

**Model:** Formlabs 2

**Features:**

- Build Volume: 145\*145\*175mm
- Layer Thickness: 0.025mm
- Material: Proprietary photo resin
- Input file type: .obj or .stl

**Tools available:** Resin



## Product Showcase





# Melting Furnace

**Model:** Slicarb Aluminium  
Melting cum holding furnace

**Features:**

- Power Source: Electrical
- Max Temperature: 900 deg.C 30kg capacity
- Control: Electronic
- Usage: Melting and Holding



**Tools available:** NA

## Product Showcase





**IKP**  
**EDEN**

# Cutting Plotter

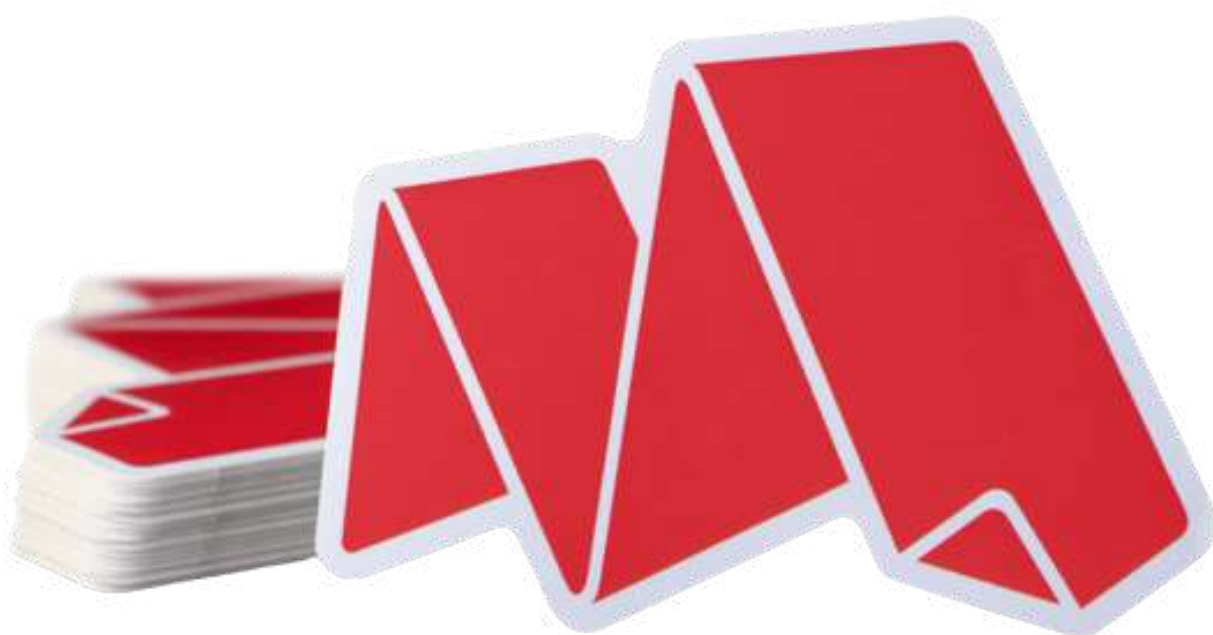


**Model:** CE6000-60

**Features:** 4 inches(2 ft) E-class cutting plotter with RS232C/ USB Interface

**Tools available:** Cutter

## Product Showcase





# CNC Router

**Model:** Ethereal  
Machines

**Features:**

- Max Working Area: 1000x1000mm
- Materials: Wood, Acrylic, Foam, Delrin, Nylon, PVC

• **Tools available:** End mill, Ball Nose, Drill bits



## Product Showcase





# Wood Station (Table Saw, Planer and Power Tools)

## Tools Available:

- Table Saw Make: Bosch (Model: GTS 10J)
- Bench Top Planer Make: Makita (Model 2012NB)
- Orbital Sander Make: Bosch (Model:GEX 150AC)
- Professional Circular Saw Make: Bosch (Model: GKS 7000)
- Professional Radial Mitre Saw- MSM 1036
- JigSaw JSM1014



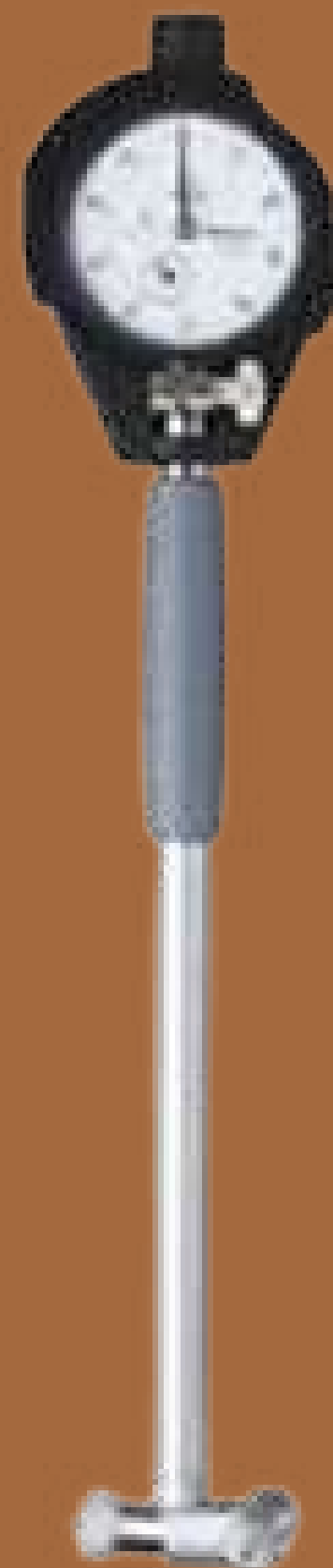


# Surface Table & Measuring Instruments

Model: Mitutoyo

Tools available:

- Digital Vernier
- Micrometer
- Height Gauge
- Bore Gauge
- Bevel Protector





# SMT (Pick&Place Machine)

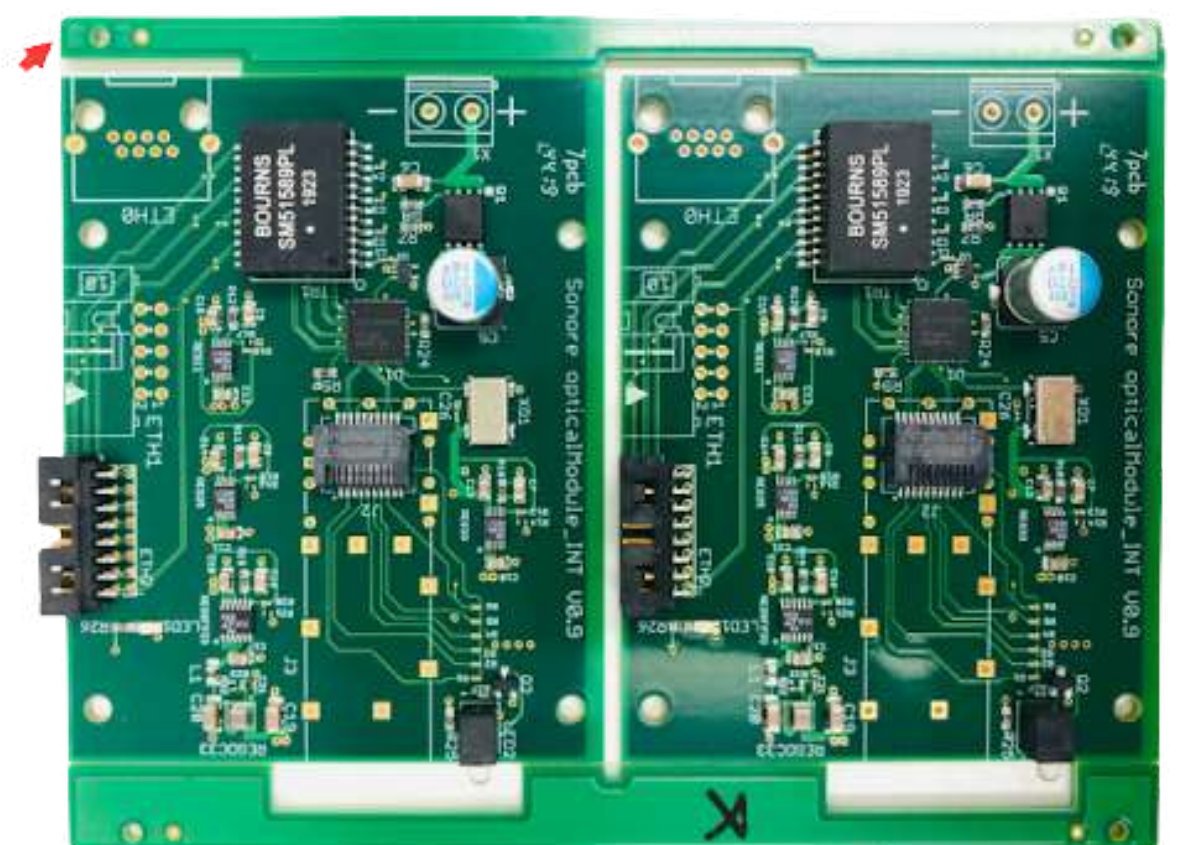
Model no: Neoden

## Features:

- Placement Capacity: 5000CPH (vision off), 3500CPH (vision on)
- Placement Accuracy:  $\pm 0.02\text{mm}$  (Repeatable Positioning Precision)
- Applicable Component: Min 0201, Max 30\*30mm IC, BGA, QFN.
- Applicable PCB Size 310mm\*1200mm / 350mm\*400mm



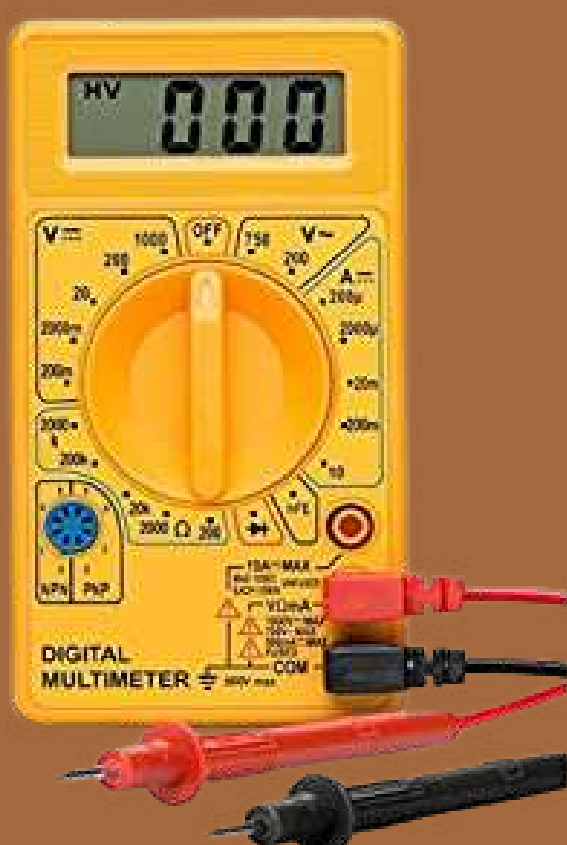
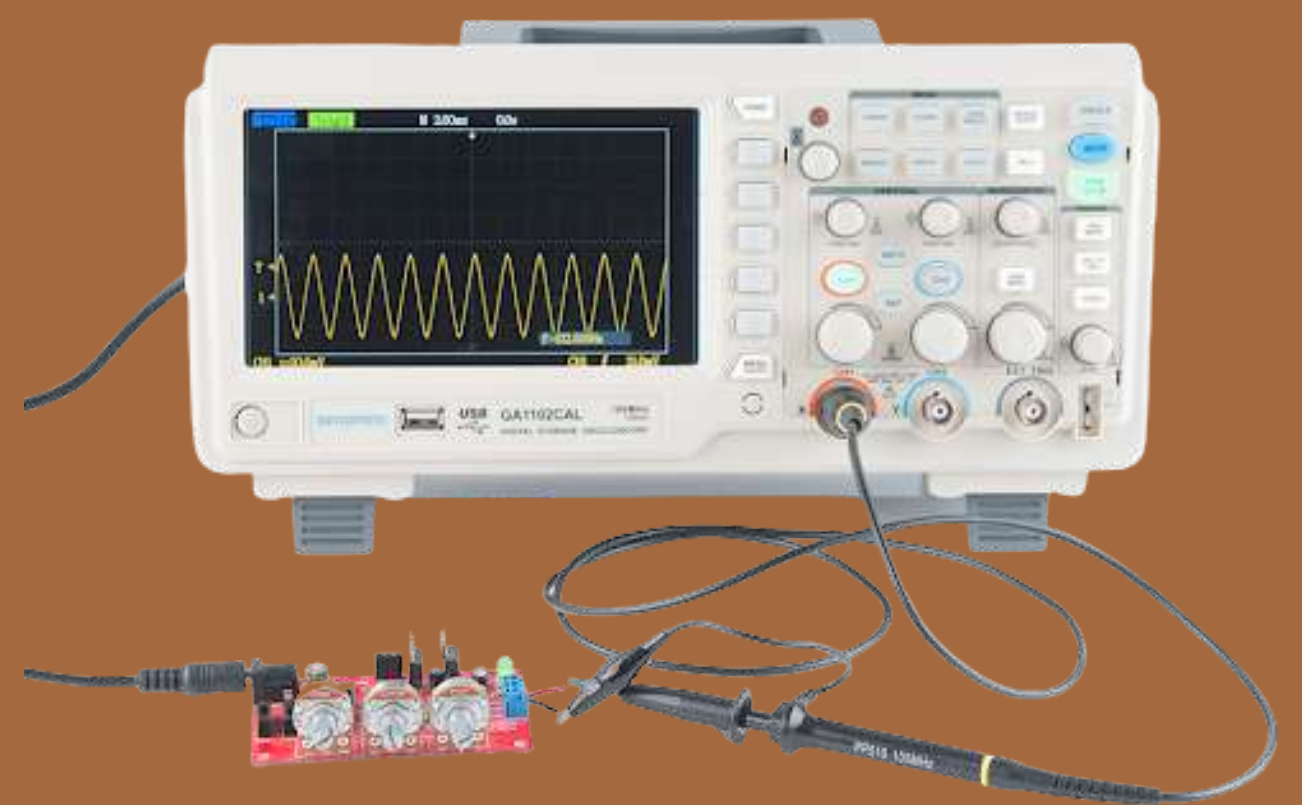
## Product Showcase



# Electronics Instruments

## Instruments Available:

- Oscilloscope
- DC Power Supply
- Function Generator
- Rework station
- Soldering station
- Digital Multimeter
- Clamp meter





# Software Offering



- **Solidworks**- 10 Active on the server licenses to realize your idea into real world designs.



- **MATLAB**- 1 year free subscription and future discounts on licenses with which you can analyse data, develop algorithms and create models.



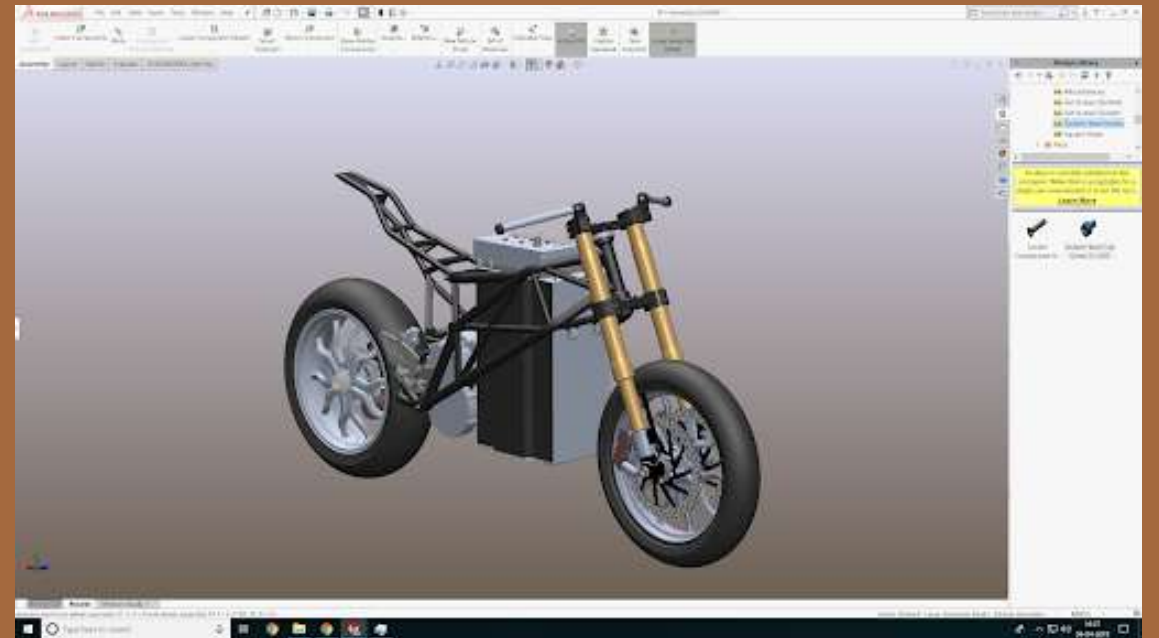
- **AWS**- 5000 USD AWS Credits to utilize Amazon's web server.



# Success Stories

## Emflux Motors

August 2016 – Varun Mittal and Ankit Khatri decide to build the Tesla of Super bikes



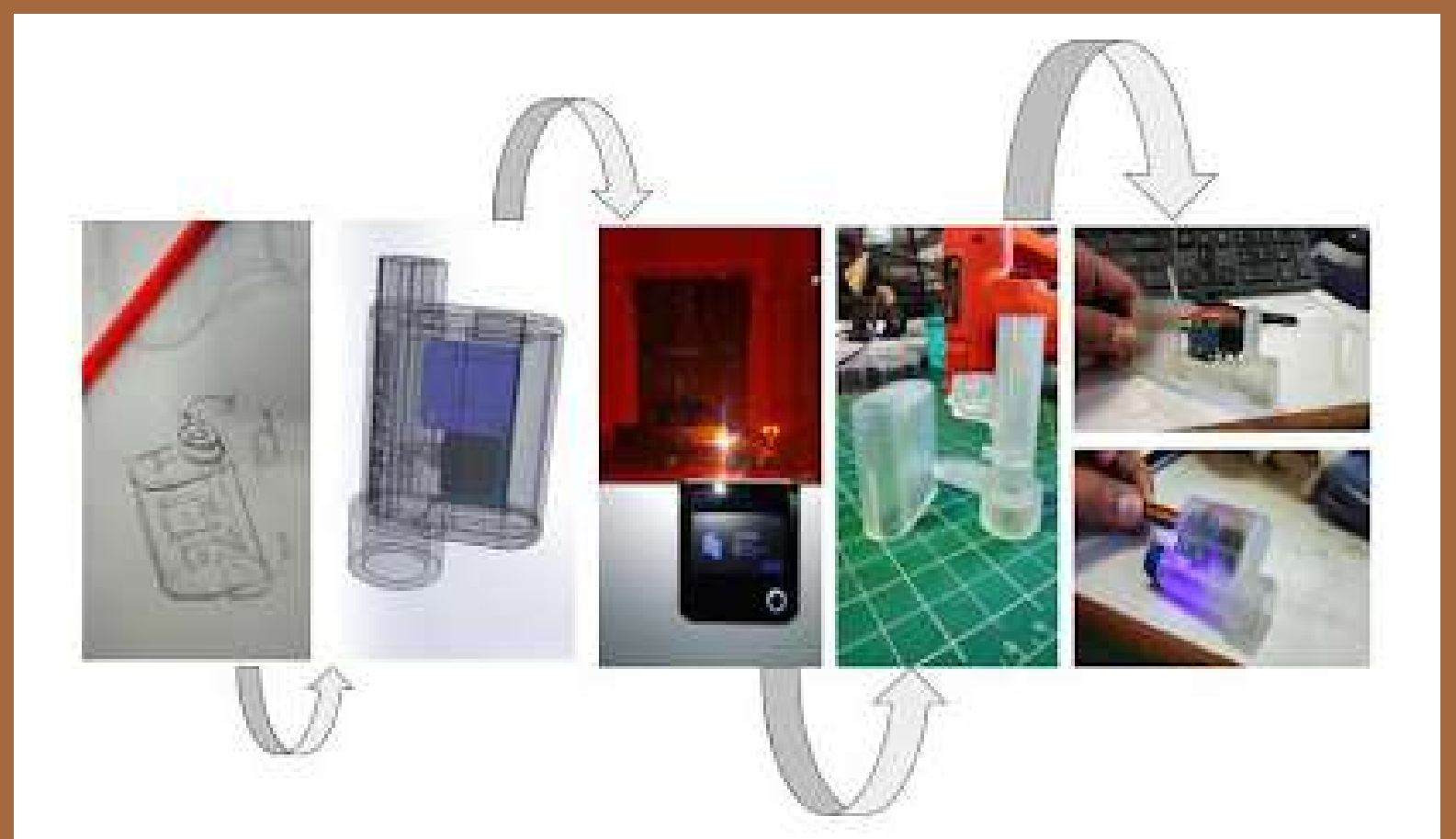
February 2018 –  
The prototype debuts at Auto Expo Delhi



18 months from idea to prototype !

## Biodesign Innovation Labs

From a thought and a hand sketch, to a working Proof of Concept Prototype in under 3 months.



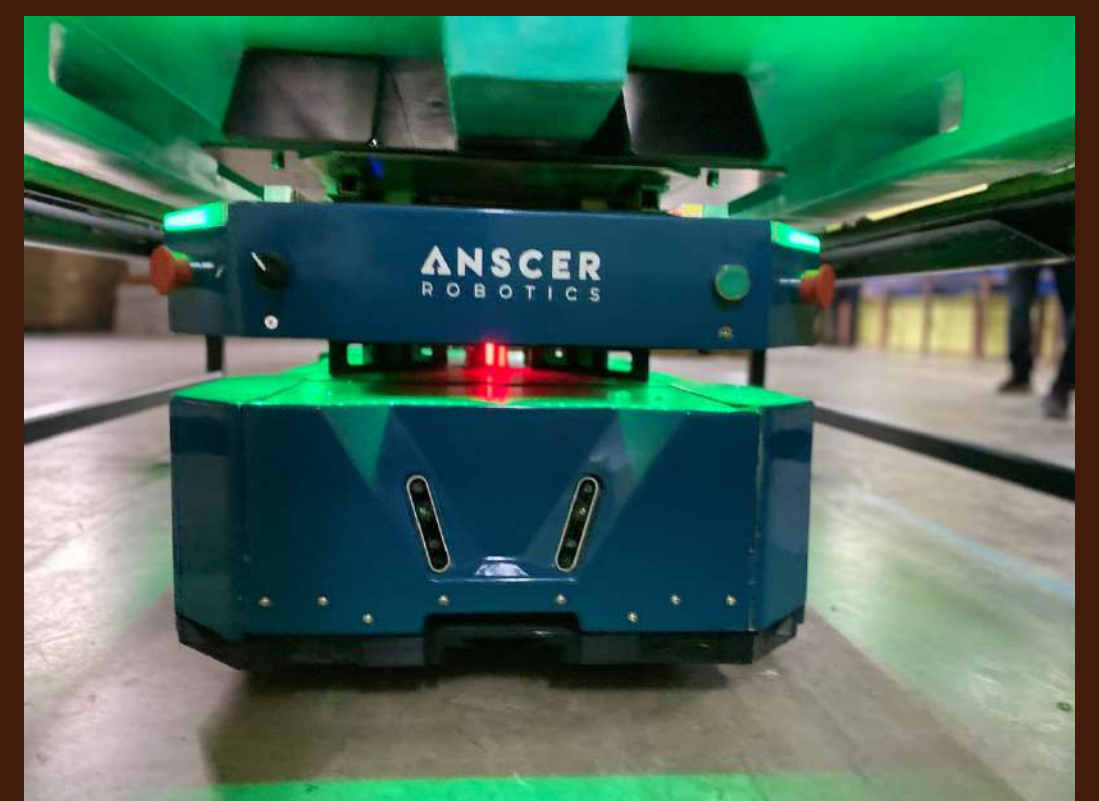
Working at the Hub, BioDesign made this gas sensing module that has the potential to save millions of lives.



# Success Stories

## ANSCER Robotics

ANSCER Robotics is building and designing World Class Autonomous Mobile Robots which optimizes mobility and ergonomics in indoor environments.



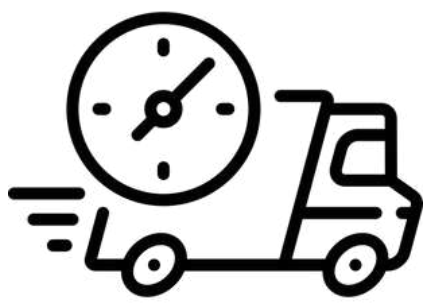
## Upciti Private Limited

Upciti is building- Niya, which allows charging of an EV battery pack using any of the millions of USB-C power adapters just like your laptops and phones resulting in truly universal charging.





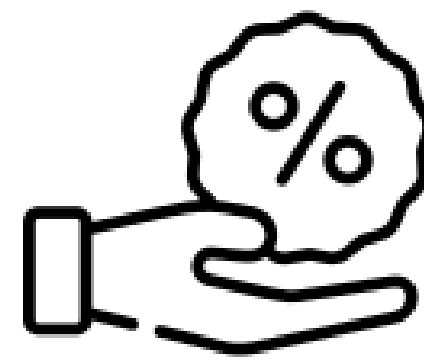
# Why us?



Fastest in Industry



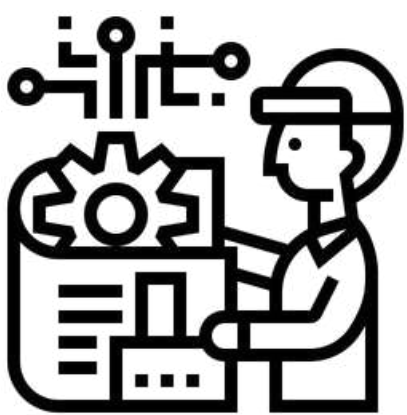
High quality upto  
20 microns



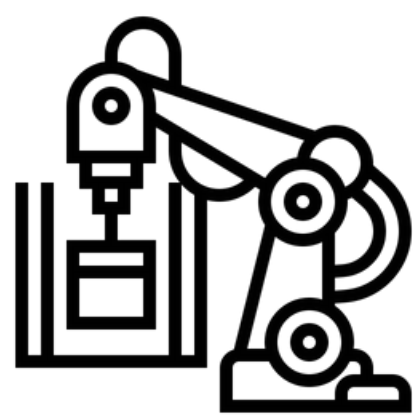
Competitive Pricing



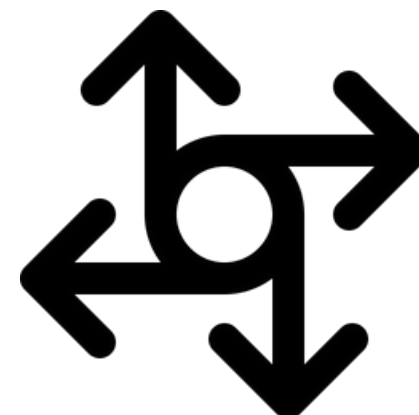
Standard Operating  
Procedures



Expert Guidance  
& Mentorship



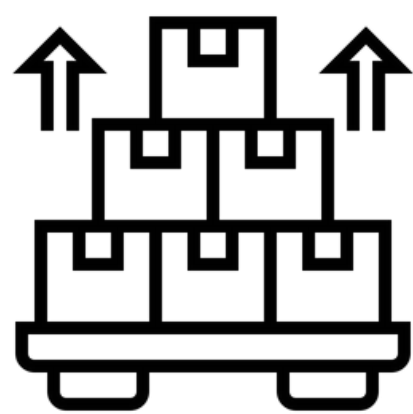
Best in Class  
Equipments



Versatility  
(Material/Product/Quantity)



Vendor Connect



Place order for any  
quantity

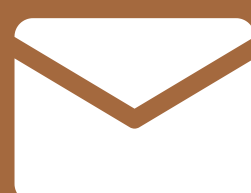


Quality Assurance

# Contact us



080-468-10664  
Ext- 2



[proto@ikpeden.com](mailto:proto@ikpeden.com)



[www.ikpeden.com](http://www.ikpeden.com)

## KAILASH TECH SOLUTIONS

597, SRI RANGA ARCADE, DR. RAJKUMAR ROAD, PRAKASHNAGAR,  
BANGALORE-560021 PH: 8904055808 www.kailashtechs.com

# Laser Engraving and Cutting Machine 1390



### Specification:

<b>Name:</b>	<b>Laser engraving and cutting Machine 1390</b>
<b>Working area (mm)</b>	<b>1300×900</b>
<b>Laser power (W)</b>	<b>100W(RECI W2)</b>
<b>Table mode:</b>	<b>Knife Strips /Honeycomb</b>
<b>Cutting speed:</b>	<b>0-25000mm/min</b>
<b>Resetting accuracy:</b>	<b>+/-0.05mm</b>
<b>Working voltage:</b>	<b>AC220V+/-10%50HZ/AC110V+/-10%60HZ</b>
<b>Gross power:</b>	<b>&lt;1500W</b>
<b>Operating humidity:</b>	<b>5%-95%</b>
<b>Operating temperature:</b>	<b>0-45°C</b>
<b>Minimum character:</b>	<b>English 1x1mm</b>
<b>File format supported:</b>	<b>BMP. HPGL. PLT. DST. DXF. NC&amp;AI ETC.</b>

<b>cut by color separation:</b>	<b>reaches 256 color for cutting</b>
<b>Driving motor:</b>	<b>Stepper</b>
<b>Cooling mode:</b>	<b>Water-cooling and protection system</b>
<b>Controlling system:</b>	<b>DSP Controlling system</b>
<b>Compatible software:</b>	<b>Coreldraw/AutoCAD/Photoshop</b>
<b>Exhaust equipment:</b>	<b>Powerful Exhaust and pipe</b>
<b>Machine dimension:</b>	<b>1990mmx 1540mmx 1250mm</b>
<b>Machine weight:</b>	<b>400Kg</b>

**Applicable industries:**

Advertisement,arts and crafts,leather,toys,garments,architecture models,building upholster,computerized and clipping,packaging and paper industry.

**Applicable materials:**

Wood,bamboo,jade,marble,acrylic,crystal,plastic,garments,paper,rubber,ceramic,glass and other nonmetal materials.

**Details for Laser Machine 1390A**



