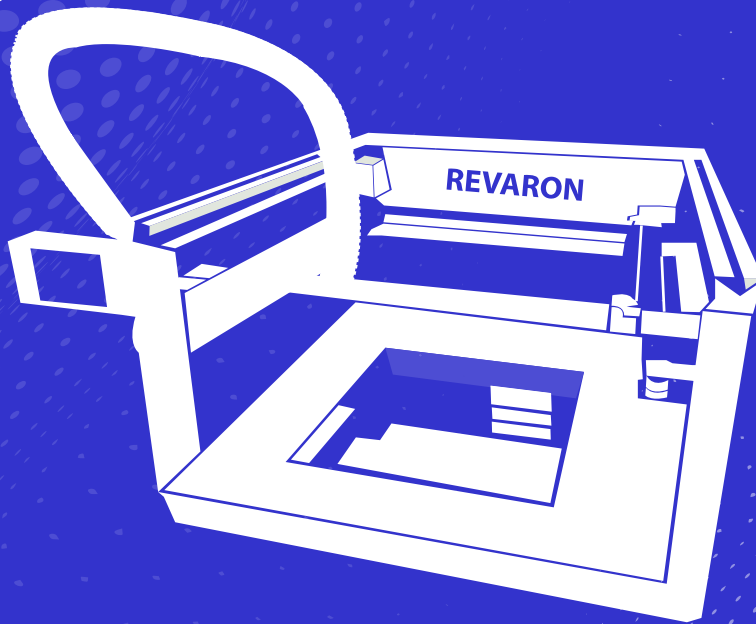
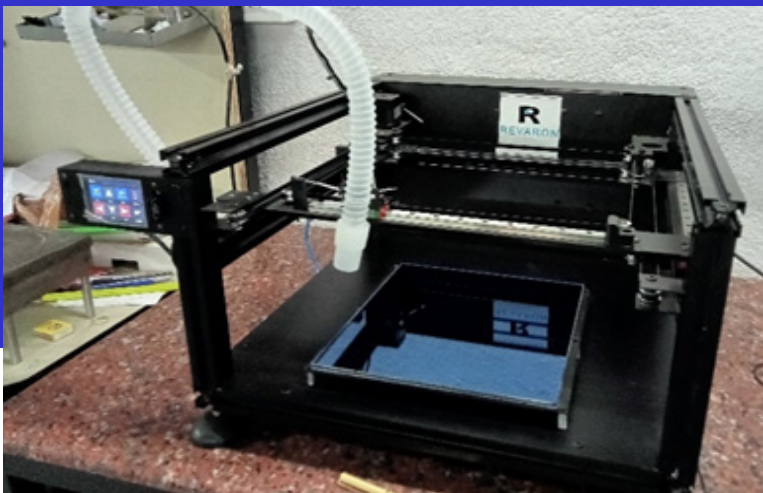


Precision Motorised 2 Axis Stage



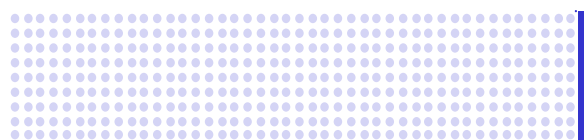


This **REVARON Precision Motorised 2 Axis Stage** is designed with modularisation at industrial manufacturing standard. This efficient, compact design saves space with limited installation space, deliver reliable, cutting-edge controllable movement. Stage offers two degrees of freedom controlled by a software with fixed Z position (can be adjusted manually). This translation platform offers precision closed-loop DC servo motor linear actuators available in a range of travel offering precise, stable linear adjustment over the full translation range. Completely equipped with recirculating bearings and an optical linear encoder to ensure accurate positioning with high repeatability. Fixed third axis can be used as fixturing for suitable applications and these fixtures can be removed. for multipurpose applications. Fixture can be customized for various application and not limited to the applications mentioned with in this document.



PRECISION MOTORISED 2 AXIS STAGE

- Controlled X & Y Directions
- Manually adjusted Z
- Computer Controlled Software
- Touch Screen Interface
- High Precision Optical Encoder





Applications

1. Thin film coating.
2. Laser scribing and engraving.
3. Micro patterning on PCB.
4. Flexible electronics.
5. Ink jet coating.
6. Ultrasonic spray coating.
7. Coating of metal inks.
8. Coating of nanoparticles.
9. Deposition of suspended inks.
10. Patterning of transparent conductors (ITO / FTO/ AZO).
11. Industrial fixture Assembly.
12. Automation manufacturing.
13. 2-D printing.
14. Chromatography.
15. Platform for different scientific research and application development.

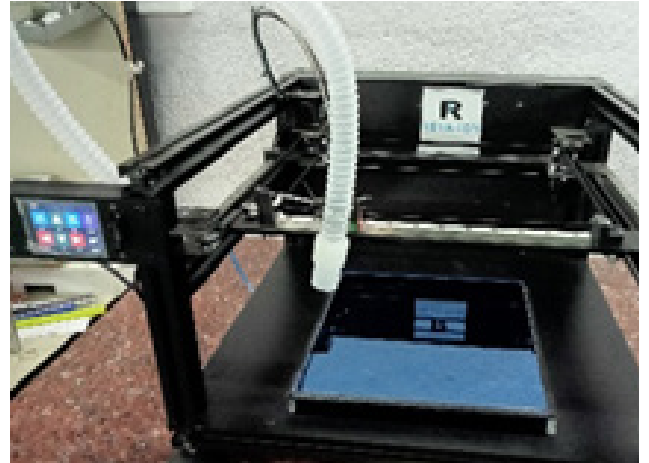
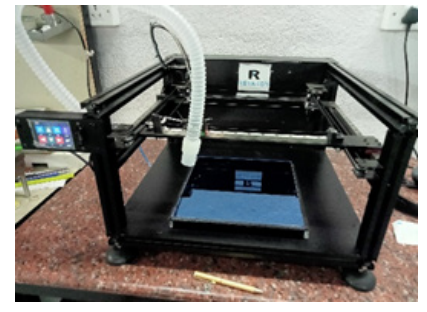
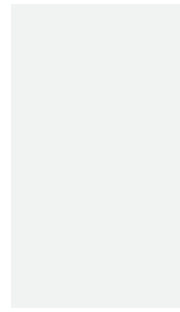
Key Features

1. Bright LCD display and touch screen operation.
2. Built-in and computer-controlled software.
3. Programmable positions.
4. Added Smart Safety interlocks.
5. Bench-top instrument.
6. Substrate temperature control.
7. Buzzer and light indication on completion of process.
8. Recall saved positions.
9. Equipped with flexible extractor fume hood for venting / extracting chemicals exposed during printing process.
10. Equipped with optical encoders for high accuracy and repeatability.
11. The connectors are secured with M30A1 clamp to avoid accidental disconnection. This is especially useful when mounted vertically and / or top of another platform / assembly.

Features and Specifications

- | Display
Colour LCD 4"
- | Active Directions
X and Y
- | Load (Max)
4 Kgs
- | Bidirectional Repeatability
±1µm
- | Straightness (Linear crosstalk in X with motion in Y)
± 0.5 µm
- | Limit Switches
Hall effect, N/O contact
- | Control
Computer controlled software and touch screen interface
- | Communication port
USB
- | Equipment Weight
15 Kgs
- | External Dimensions
L x W x H 350mm x 350mm x (min 100mm variable height)
- | Fixed Direction
Z (manually adjusted)
- | Travel range in X and Y
250 mm
- | Velocity in X and Y, loaded
5 mm/s
- | Drive System
Linear stage with integrated drive electronics
- | Straightness (Linear crosstalk in Y with motion in X)
± 0.5 µm
- | Encoder
Optical encoder for high precision
- | Power Supply
100-240 VAC, 47-63 Hz, Fused at 5 A
- | Material
Hard coat aluminium, stainless steel mounting hardware
- | Additional Accessories
 - 1. Machine Base**
 - 2. Granite Base for reducing vibrations**
 - 3. vacuum feedthroughs**
 - 4. Height Adjustable Feet**

"We can customise this product in accordance with your application, requirements including ergonomic design"



Customisation

We offer variety of platforms and stages. We can customize speed, payload, distance, range, size, different directional movement, and vacuum stage.

Compatibility of these platforms in various environments (cleanroom, glovebox, etc) are customizable and we have relevant expertise to provide according to the requirements of individual customer / industry.

Sales and Support

Tele: **+91 7676564755**

Email: **info@revaron.com**

Address: **304/6, Shed K5 and K7, Seetharam Industrial Estate,
Jalahalli, Bangalore 560013**

Website: **www.revaron.com**

REVARON products are shipped worldwide including one-year warranty as standard.

