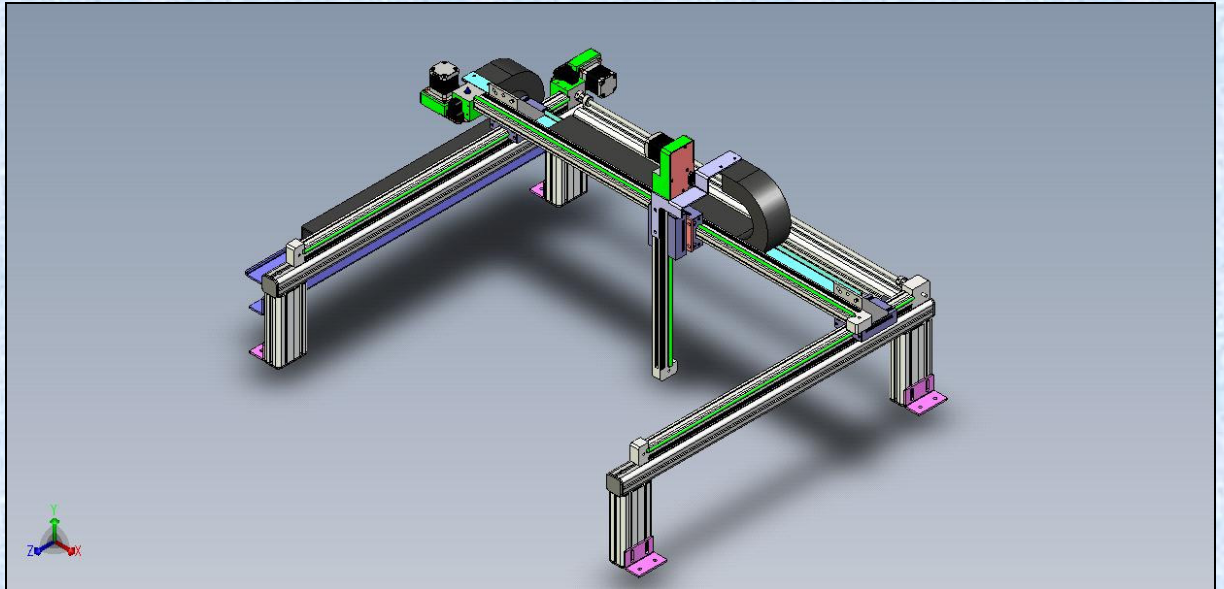


# XYZ Positioning Stages

## Advanced, economical XY/XYZ Positioning stages



- with numerous options of driver motors and controls
- Advance and easy to use programming software options
- T-Slotted face milled table for easy job mounting (optional)
  - Driven directly by Windows based driver software
  - Numerous options of accessories and attachments
    - Available with servo or stepper motors

XY/XYZ positioning stages are available with numerous options of travel area and Drive elements. These highly precise positioning stages are being used world over For numerous automation applications like pick and place, assembly and more. These rigid and accurate stages are also used as CNC machines in applications Like drilling/milling/engraving/dispensing and optical inspection.

These XYZ Cartesian stages consist of play free timing belt slides / ball screw slides and can be easily assembled and integrated in any work environment. Available in numerous travel sizes, these Cartesian robots can perform various jobs like drilling, Screwing, dispensing and inspection etc. Flexibility of use is hall mark of these Cartesian robots making them an indispensable tool for any automation project.

# XYZ TABLES OFFERED BY US

## TECHNICAL SPECIFICATIONS



**XYZ Table type 1G**

Model Number	XYZ Type 1G
Number of AXES	Three (X Y Z)
Configuration	Fixed Bed, Moving Gantry
Rive Elements	Precision ball screws / servo motors
Maximum Work area	500 X 500mm to 2000 X 2000 mm
Accuracy	0.01 mm
Other Options	Customized travel range / options of control system etc



**XYZ Table Type 2G**

Model Number	XYZ Type 2G
Number of AXES	Three (X Y Z)
Configuration	Fixed Bed, Moving Gantry
Rive Elements	Precision ball screws / servo motors
Maximum Work area	1200 X 1200mm
Accuracy	0.01 mm
Other Options	Customized travel range / options of control system etc



**XYZ Table Type 3B**

Model Number	XYZ Type 3B
Number of AXES	Three (X Y Z)
Configuration	Moving Bed, Fixed Gantry
Rive Elements	Precision ball screws / servo motors
Maximum Work area	250 X 2500mm
Accuracy	0.01 mm
Other Options	Customized travel range / options of control system etc



**XYZ Table Type 4B**

Model Number	XYZ Type 4B
Number of AXES	Three (X Y Z)
Configuration	Fixed gantry, Moving Bed
Drive Elements	Precision ball screws / servo motors
Maximum Work area	500 X 500mm
Accuracy	0.01 mm
Other Options	Customized travel range / options of control system etc

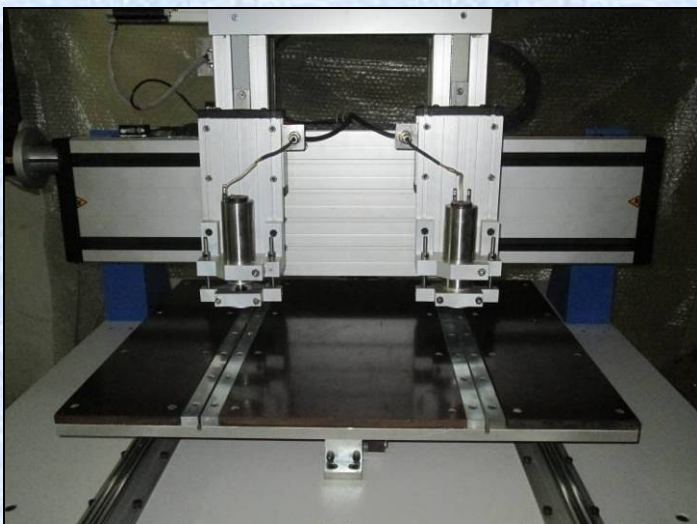
**Video Demo:** [http://www.youtube.com/watch?v=J\\_Ick\\_q9Oyc](http://www.youtube.com/watch?v=J_Ick_q9Oyc)



**XYZ Table Type 5B**

Model Number	XYZ Type 5B
Number of Axes	Five (X Y Z1 Z2 Z3)
Configuration	Fixed Gantry, Moving Bed
Drive elements	Precision ball screws / servo motors
Maximum work area	300 X 500mm under each Z axis
Accuracy	0.01 mm
Other options	Customized travel range / options of control system etc

**Video Demo :** <http://youtu.be/BIMsvptM-1I>



**XYZ Table Type 6B**

Model Number	XYZ Type 6B
Number of Axes	Four (X Y Z1 Z2)
Configuration	Fixed gantry, Moving Bed
Drive element	Precision ball screws / servo motors
Maximum Work area	300 X 500mm under each
Accuracy	0.01 mm
Other Options	Customized travel range / options of control system etc

**Video Demo:** [http://www.youtube.com/watch?v=J\\_Ick\\_q9Oyc](http://www.youtube.com/watch?v=J_Ick_q9Oyc)

XYZ tables are manufactured using most reliable linear motion products like re-circulating bearings and specially treated guides for longer life and trouble free operation. Added with this sturdiness, is intelligent software that drives the tables with unmatched simplicity. These positioning tables can be expended up to five axes with help of available rotary stages. We offer control systems for up to 5-axis simultaneous operations. PC based software is available to program various jobs like drilling, dispensing cutting etc.

**Contact us for live Demo!!**

### Specifications- XYZ Positioning Stages

Programmable Area/ Travel Area	From 300mm X 300mm to 3000mm X 2000mm
Positional Accuracy	0.3mm for timing belt stages / 0.025mm for ball screw stages
Repeatability	0.3mm for timing belt stages/ 0.025mm for ball screw stages
Drive Element	Timing Belt / Ball Screw, Stepper motors / AC servo motors
T-Slot specification of table	T-slot table optional. PT25 or PT50 ( 25mm /50 mm grid)
Encoder specification ( For Servo)	Optical encoder for all axes, 2000 increments/ revolution.
XY Traverse Speed	200 mm / Second for servo, 100mm/ second for stepper.
Z Feed Speed	200mm / Second for Servo, 100mm/ second for stepper.
Z-Axis mounting plate	T-slotted plate with 25mm grid, payload capacity 5 Kg.
Driver software	PC based driver software with data import and teach-in.
Power Supply	230 Volt, 50-60 Hz
Supported File Formats	HPGL, AutoCAD DXF, DIN 66025 interpreters.
Compatible With	Windows® 7/10
Minimum Computer Requirements	Pentium®, Windows® 7/10

Due to continuous improvements, specifications are subject to change without notice. The following terms are trademarks of the indicated companies. Excellon, Esterline Technologies; Windows, Microsoft Corp; Gerber, Gerber Scientific Inc.; KaVo, KaVo Elektrotechnisches Werk; Pentium, Intel Corp; DXF, AutoDesk Corporation; HPGL, Agilent

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