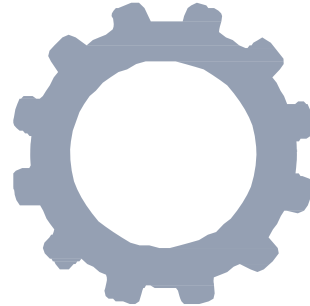
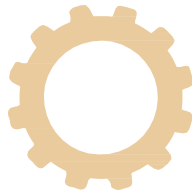




# HIGH SKILL CNC

Advanced Manufacturing of CNC Machines, Robotics & 3D Printers

Our Services: Manufacturing | Training | Repair & Service | Spares & Sales

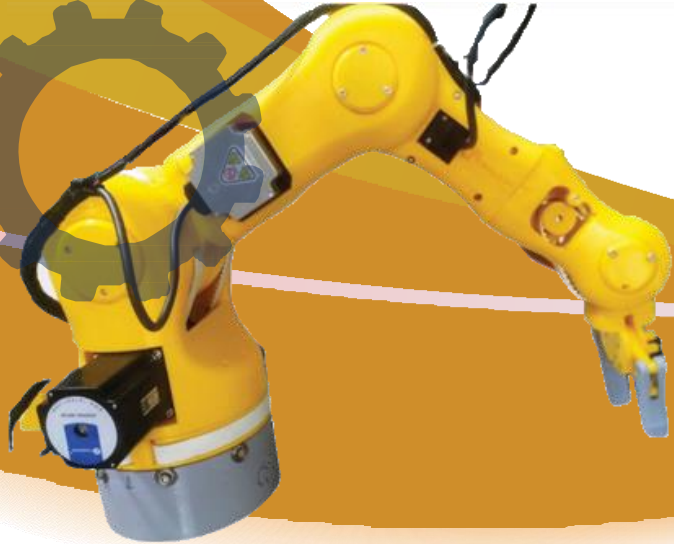


## ABOUT US

GT ROBOT: The Five/Six axes articulated robot,  
The Parts of the Articulated Robotic arm are 3D printed using  
**HIGH SKILL CNC TECHNOLOGIES** MATRIX Pro / GT 300 Printing  
machine. The robot is easy to program and operate. The controller  
software offers robot programming, 3D simulation, integration  
input/output systems, vision system. It is a plug and play type of  
equipment.

It offers hands on experience of industrial applications such as pick  
and place, assembly, palletizing and compatible with robot operating  
system (ROS). Very much ideal for Learning and Training purpose.





## ROBOT SPECIFICATIONS

- No. of Axis Reach : 5 + Gripper
- Vertical Height : 600 mm without considering gripper 100
- Reach : mm to 450 mm
- Payload : .5 Kg
- Axis 1 : 240 Deg
- Axis 2 : 180 Deg
- Axis 3 : 180 Deg
- Axis 4 : 340 Deg
- Axis 5 : 180 Deg Servo
- End effector : Gripper
- Control Software: Robotic Arm from quantum Software Ramps
- Controller : 1.4 with Arduino
- Motors : Stepper and Servo Gripper 12V
- Input/Outputs : 230 V
- Power supply : Yes
- ROS compatibility:  $\pm 1.0\text{mm}$  15kg
- Repeatability :
- Weight :

## SOFTWARE FEATURES

- ROS Compatible
- 12axis can be played in a single gcode file.
- Why 12 axes? Normally a 6axis robotic arm is not sufficient to solve real world problem.
- So, the extended axis is used to assist the robotic arm to perform task. Use joystick to control.
- Support two types of grippers. Magnetic and servo.
- Support motor on/off.
- Auto recording of G code.
- Can play line by line of G code.
- Can save unlimited G code file. Can return back to home position.
- Can control the robotic arm using Bluetooth.

