

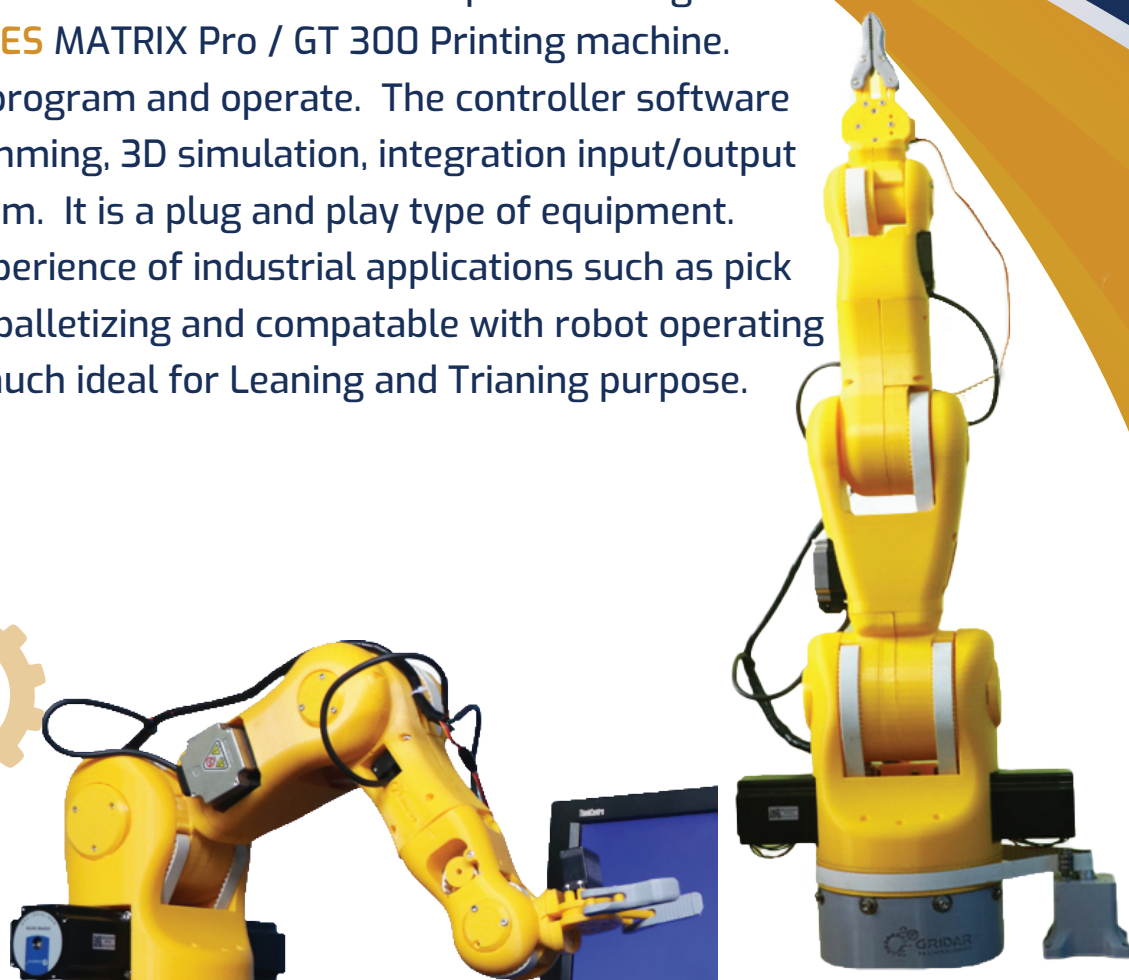


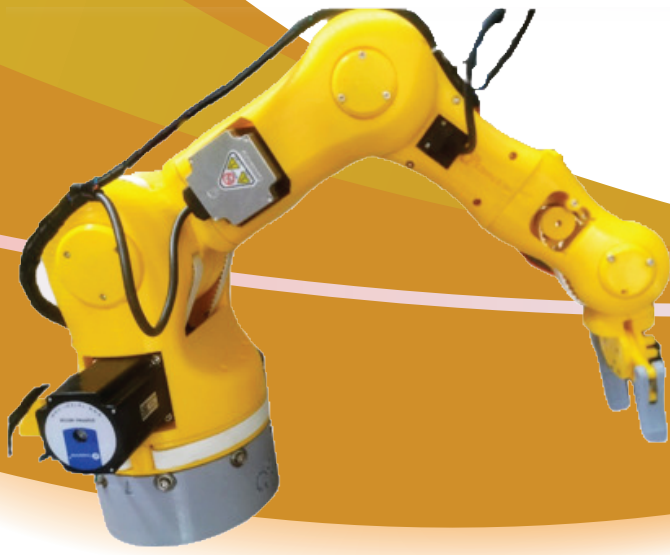
GRIDAR

TECHNOLOGIES

ABOUT US

GT ROBOT : The Five/Six axes articulated robot,
The Parts of the Articulated Robotic arm are 3D printed using
GRIDAR 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
- Reach : 100 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
- End effector : Servo Gripper
- Control Software : Robotic Arm from quantum Software
- Controller : Ramps 1.4 with Arduino
- Motors : Stepper and Servo Gripper
- Input/Outputs : 12V
- Power supply : 230 V
- ROS compatability : Yes
- Repeatability : $\pm 1.0\text{mm}$
- Weight : 15kg



SOFTWARE FEATURES

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

