

3D PRINTER

- Print size metric: 280 x 260 x 310 mm
- Diameter: 1.75 mm
- Layer thickness: 100 - 400 Microns
- Closed print chamber: Semi enclosed
- Extruder: Single
- Max. extruder temp.: 500 °F / 260 °C
- Print bed details: Heated bed
- Display: Touch screen
- Materials: PLA, ABS, TPU, PETG

3D SCANNER

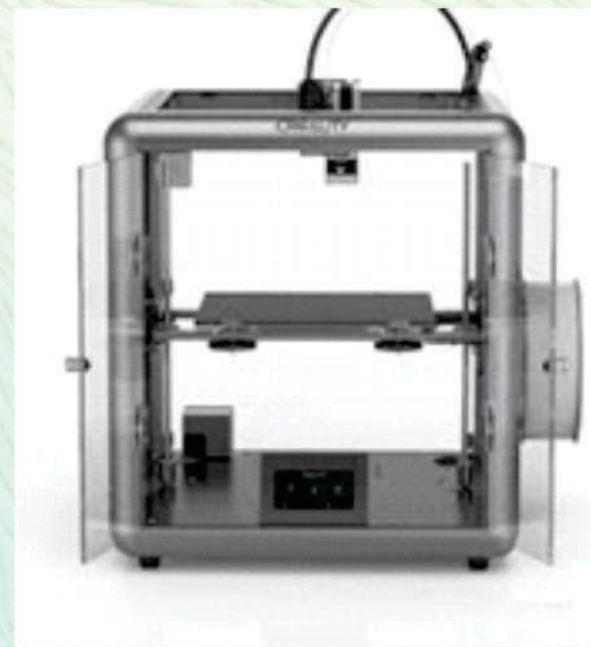
- Fast Scanning
- High-precision
- Automatic Data Processing
- Multiple Languages
- True Color

CONVENTIONAL MACHINES

- Milling Machine
- Radial Drilling Machine
- Bench Grinder
- Surface Grinder
- Cylindrical Grinder

MEASURING INSTRUMENTS

- MITUTOYO Digital vernier caliper
0-200, 0-300 mm
- MITUTOYO Digital micrometer
0-25, 25-50, 75-100 mm
- MITUTOYO Digital height gauge 300 mm
- Granite surface plate 1600 x 1000 mm



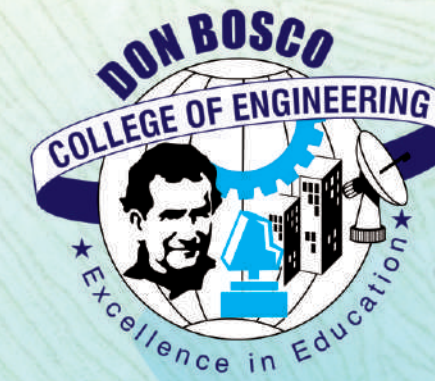
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Don Bosco College of Engineering

Fatorda Margao Goa

CNC Centre

About CNC Centre

We specialize in high precision CNC machining solutions. Our products and services start with project conception/detailing and end with manufacturing solutions, with high precision and quality at highly competitive rate and timely delivery. We have engineers and highly skilled machinists working side by side to ensure that the final products are both within design specifications and are of high quality.

Industry Focus:

- Aerospace
- Avionics
- Die & Mould
- Contract manufacturing
- Defence
- Electronics
- Automobile

DON BOSCO COLLEGE OF ENGINEERING

Fatorda Salesian Society started Don Bosco College of Engineering (DBCE), Fatorda, in the year 2011 with the mission of equipping the younger generation with technical knowledge, ethics, and spiritual approach to face global challenges. It is recognized by DTE - Government of Goa; AICTE - New Delhi; and is affiliated to Goa University. The college within a span of 11 years of its establishment has gained reputation by providing high quality engineering education, counselling, entrepreneurial skill development, staff welfare and empowerment, research work, employability of the graduates, strengthening its industry institution interaction through industry connect, MOUs and visits, infrastructure and services to the society. FiiRE (Forum for Innovation Incubation Research and Entrepreneurship) has been set-up under the NIDHI programme of Government of India for mentoring ideas, start-up and entrepreneurship, to promote innovation and facilitate links between the institute and all stakeholders.

FACILITIES

DBCE CNC Centre has two shop floors with a total area of 369 sq. mtr for CNC machining centre, turning centre and conventional machines.

Services We offer

Manufacturing engineering services

- CNC Precision Milling & Turning
- CAM Programming
- Process Planning
- Inspection & Validation
- Fixture Design For Complex Machining Works
- Tig Welding
- Mig Welding
- Additive Manufacturing / 3d Printing
- 3d Scanning

Mechanical Engineering Services

- Product Design & Development
- Reverse/Value Engineering
- Research & Innovation
- Cad 3/2D Modelling
- Legacy Data Conversion
- Unit Conversion/ Cad Data

RESOURCES

CNC MACHINING CENTER

- Make: HAAS
- Model: Super VF-2SS TSC
- Specification/Features:
- X x Y x Z Axis Stroke 762 x 406 x 508 mm
- Maximum Spindle Speed 12000 rpm
- Spindle Drive System Inline Direct Drive
- Maximum Tool Diameter 127mm
- Maximum Tool Length 279mm
- Maximum Tool Weight 5kg
- Rapid Feed rates X x Y x Z 35.6 m/min
- Tool Capacity 30+1
- Coolant Capacity 208 Liters

CNC TURNING CENTER

- Make: Gedee Weiler
- Model: Uniturn 500
- Specification/Features:
- Swing Over Bed 475 mm
- Swing Over Cross Slide 225mm
- Chuck Size 135/165/200mm
- Spindle Speed 50-4000 rpm
- Rapid Traverse X & Z Axis 20 , 25 mts/min
- Tool Size 20x20 / 25x25 mm
- Boring Bar Size 32mm / 40mm
- Tailstock Quill Dia 55mm

TIG WELDING MACHINE

- Make: Fronius
- Model: Magic Wave 230i
- Specification/Features:
- Mains Voltage 230V
- Mains Voltage Tolerance +/-15%
- Mains Frequency 50-60Hz
- Degree of Protection IP23
- Weight 17kg
- Open Circuit Voltage 100V

MIG WELDING MACHINE

- Make: Fronius
- Model: Transpocket 150
- Specification/Features:
- Mains Voltage 230V
- Mains Voltage Tolerance +/-15%
- Mains Frequency 50-60Hz
- Degree of Protection IP23
- Welding current 90A
- Duty Cycle [10min/40°C] 100%
- Open Circuit Voltage 96V

