

Bangladesh Industrial Technical Assistance Centre (BITAC) (Ministry of Industries)



Overview

Bangladesh Industrial Technical Assistance Centre (BITAC) is a statutory body under the Ministry of Industries.

BITAC has been a frontrunner in Industrial and Technical Training, Research & Development, Technology Transfer and manufacturing of import substitute spare parts in the country for over five decades

BITAC has five centers strategically placed at industrial nerve centers in Dhaka, Chittagong, Chandpur, Khulna and Bogura. BITAC has an Institute named Tool & Technology Institute (TTI) and also an Advanced Training & Innovation Complex (ATIC).

BITAC is going to established 6 more center around the country.

At present the number of total employees at BITAC is 628. Most of the first-class employees are Engineer.

Our Facilities

Production Capabilities:

Foundry Facilities: State-of-the-art foundry for customized casting solutions.

CNC Machining: High-tech machining capabilities for precision manufacturing.

Heat Treatment Facilities: Ensuring durability and performance of products.

Fabrication Facilities: Advanced equipment for all fabrication needs.

Testing Facilities: Rigorous testing processes ensuring the highest quality.

Training & Development:

Traditional & Hi-Tech Training: Comprehensive training programs tailored to industry needs.

CNC Machining: Hands-on experience with modern CNC technologies.

Hydraulics & Pneumatics: In-depth understanding of fluid power systems.

PLC Training: Practical training on programmable logic controllers.

Modular Production Systems: Insights into efficient production techniques.

Mechatronics: Integrating mechanical and electronic systems for innovative solutions.

Welding & Electrical: Skilled trades training to fill workforce gaps.

Research & Development:

At BITAC, we understand the importance of innovation. Our R&D Facilities are dedicated to developing new technologies and products to meet industry demands. We collaborate closely with local and international organizations to push the boundaries of manufacturing and engineering.

Vision & Mission

Vision:

Transforming BITAC into an excellent hub for providing technical assistance to the Industrial sector of the country.

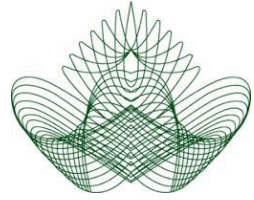
Mission:

Enhancing technical skill through training to assist industrial sector; Innovation of technology and its transfer through development of research; and manufacturing and repairing of import alternative equipment to ensure uninterrupted industrial production.

Stakeholder's of BITAC









**Spare Parts Manufactured
by BITAC Based on
Customer Requirements.**



Helical Pinion



Helical Gear



Quarter Worm Wheel



Helical Gear (Gun metal)



Bevel Gear



Worm Wheel & Worm Screw



Spiral Bevel Gear



Planetary Gear Set



Spur Gear Shaft



Timing Gear



Spiral Bevel Gear



Planetary & Ring Gear Set



Spur Gear



Sprocket



Helical Pinion



Planetary Gear Assembly



Eccentric Gear



Multi Stage Sprocket



Universal Joint Yoke



Worm Wheel & Worm Screw



Timing Gear



Worm Wheel



Spindle Ring Gear



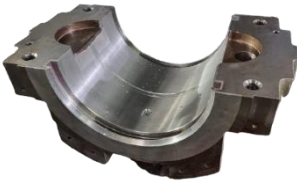
Helical Gear with Spline Shaft



Centre Pin



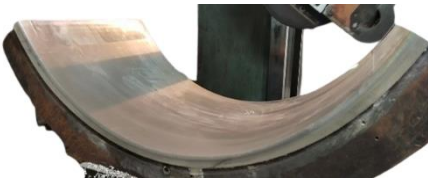
Conical Ring



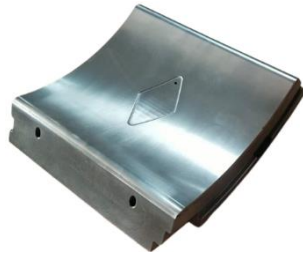
Journal Bearing



Journal Bearing Pad



Trunnion Bearing



Journal Bearing Pad



Journal Bearing



Bearing Inspection Shaft



Soap Mould



Impeller



Cap Holder



Perforation Die



Valve Pit Cover Frame



Valve Pit Cover



Spout (Cr. Cast Iron)



Conveyor Link



Drive End Shield



Check Valve



Turbocharger (Repairing)



Cylinder Head (Repairing)



Rotor Shaft (Repairing)



Cylinder Head (Repairing)



Lube Oil Pump (Repairing)



Turbine Shaft (Repairing)



Lube Oil Screw



Bearing Cap



Labyrinth Ring Packing



Bush (Brass)



Centre Punch



Journal Bearing



Locker Shaft



Journal Bearing



Knurling Holder



Beam



Centre Pin



Eccentric Shaft



Bearing Roller



Valve & Seat



Lock Nut



Cutter Blade



Filter Cartridge



Conveyor Roller



Ball Screw



Conveyor Roller



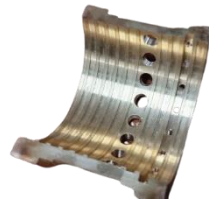
Herringbone Gear (Teflon)



Sampling Kit (SS 316L)



Screw



Labyrinth Packing



Pulley



Valve Shaft



Impeller Mould



Torque Multiplier



Hi Temperature bolt



Socket



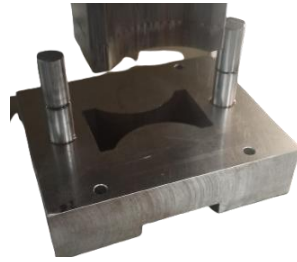
Robotic Arm



Lock Cone



Comb Mould



Sharing Die & Punch



Soap Mould



Mould Support Plate



Cutting Die Assembly



Cutting Die



Impression Die & Punch



Egg Casing Mould



Eye Bolt



Pump Impeller



Helical Pinion with Shaft



Journal Bearing



Spline Ring



Pump Shaft



Dozing Block (PVC)



Dozing Nipple (PVC)



Conveyor Link



Spout



Gear Assembly



Pulley



Bending Die



Impeller



Cylinder Liner & Bush



Punch



Swadhinata Padak



Die & Punch of Padak



Ekushey Padak



Manabkoyllan Padak



Begum Rokeya Padak



Paid Seal



Security Seal



Postal Seal



Base Connector



H connector



DS Clamp



Tension clamp



Repair Sleeve



DS Clamp



L Connector



T Clamp



Bushing Connector



DS Connector



I Lug



Twin Connector



Z Plate



U Connector



AL Plate



Compression Clamp



AL Plate with Hole



Compression T Clamp



I Lug



I Connector



Repair Joint Sleeve



Z Connector



Spacer Clamp



T Connector



DS Bushing Shaft



OLTC Knob



OLTC Fixed Contact



OLTC Finger



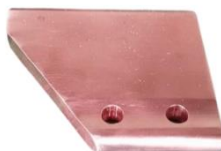
DS Bushing I Clamp



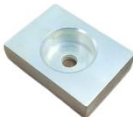
DS Base Plate



Flexible Cable Joint



Male Connector

	
Male Connector	Female Banded Finger
	
Copper Rod	Female Banded Finger
	
Female Straight Finger	DS Finger Set
	
Female Banded Finger	DS Support Plate



DS U Plate



I Lug



Female Banded Finger



Female Banded Finger



Clevis



D Shackle



Ball I



Tension Hook



U Joint



Socket Clevis



Yoke Plate (Rectangular)



Yoke Plate



Suspension Clamp



Dead End Clamp



T Connector



DS Box



Base Connector



DS Connector



Dead End Clamp



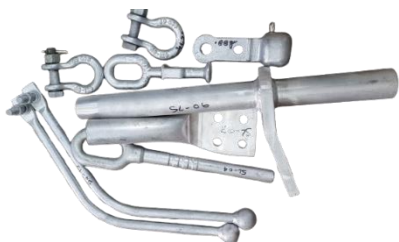
L type I Lug



Spacer



Socket Clevis



Dead End Assembly



Twin Connector

Modern Training Facilities



VMC Machine



CNC Lathe



Semi CNC Lathe Machine



Bend Saw Machine



Surface Grinding Machine



Conventional Milling Machine



Wind PV Power Generator TM



Solar PV Power Generator TM



Smart Farming Training Table



EIM Training Evolution Table



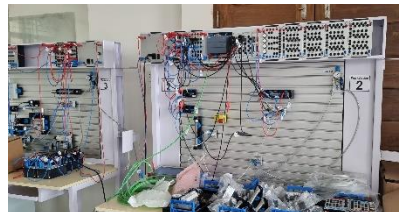
PLC Trainer Board



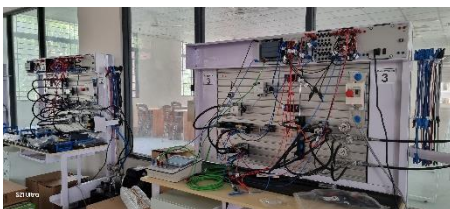
Electrical Technology Trainer



Electrical Assembly Training Eq.



Pneumatic Training Station



Hydraulic Training Station



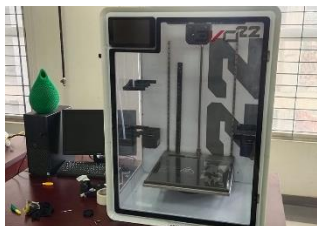
Autonomous Vehicle & Drone



Robotics Training Board



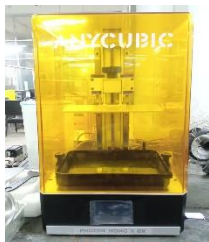
Robotics Training Board



3D Printer



3D Printer



3D Printer (Liquid)



3D Scanner



3D Product Tempering Machine



3D Scanner

Modern Production Facilities



CNC Wire Cut Machine



CNC Vertical Machining Centre



CNC Vertical Machining Centre



CNC Vertical Machining Centre



CNC UMC



CNC Turning Centre



CNC Turning Centre



CNC Vertical Machining Centre



CNC Internal Grinder Machine



Tool Manufacturing Machine



CNC Surface Grinding Machine



CNC Cylindrical Grinding



CMM Machine



EDM Drill Machine



EDM Machine



PVD Machine



CNC Wire cut Machine



LEASER Engraver Machine



Heat Treatment Furnace



ARC Welding Machine



Submerged Welding Machine



TIG Welding Machine



MIG Welding Machine



Spot Welding Machine

Conventional Production Facilities



NC Sheet Cutting Machine



CNC Band Saw Machine



Conventional Lathe Machine



Conventional Lathe Machine



Lathe Machine



Conventional Lathe Machine



Milling Machine



Boring Machine



Slotting Machine



Shaper Machine



Planner Machine



Bending Machine



Gear Cutting Machine



Gear Cutting Machine



Deckel Machine



Vertical Lathe Machine



Horizontal Boring Machine



Zig Boring Machine



Horizontal Boring Machine



Vertical Lathe Machine



Zig Boring Machine



Mechanical Press Machine



Hydraulic Press Machine



Tool & Cutter Grinder Machine



Zig Grinding Machine



Zig Boring Machine



Internal Grinding Machine



Surface Grinding Machine



Surface Grinding Machine



Muffle Furnace



Tempering Furnace



Hardness Tester

Foundry & Pattern Facilities



CNC Wood Router



Wood Saw Machine



Patterns



Pattern for Boot Pipe



Wood Cutter



Wood Saw



Wood Saw



Mixture Machine



Induction Furnace



Cupola Furnace



Pit Furnace



Sand Mould



Baking Oven



Rotary Blasting Machine



Metallic Mould



Metallic Mould

Modern Testing Facilities



Spectro Analyzer



Ultrasonic Testing Device



Surface Roughness Tester



Portable Hardness Tester



Hardness Tester



Hardness Tester



Microscope



Vernier Height Gauge

Why Choose BITAC?

BITAC, a pioneering mechanical organization that consistently provides precision engineering solutions. The following advantages are particularly beneficial for stakeholders.

Quality: Commitment to delivering high-quality products and training.

Skilled Workforce: Providing industries with trained and skilled personnel.

Local Solutions: Reducing dependency on imports with local substitutes.

Innovative Practices: Staying ahead with continuous improvement and R&D.

Get in Touch!

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To Download the Brochure

