

# Krishnananda Bairagi (Tito)

*BSc. In Mechanical Engineering (BUET)*

*Cell: +8801728788926*

*Email: [tito.me.05@gmail.com](mailto:tito.me.05@gmail.com)*



## **MECHANICAL ENGINEERING PROFESSIONAL**

*R&D Creative Design, Cost Efficient Design, Assesment &  
Design Improvement, Project Management &Product Process Engineering*

Myself- A dynamic, team spirited and performance driven engineering professional with an extraordinary combination of leadership, business and manufacturing industrial knowledge. Recognized for keen ability to improve component design, increase system efficiency, minimizing cost and decrease the need for re-engineering. My ability to communicate and motivate team members to enhance strategic goals and bottom line objects. Creative problem solving and trouble shooting skills complemented by meticulous and creative details to drawing and specifications.

## **PERSONAL DETAILS**

Father's Name	:	Prashanta Bairagi
Mother's Name	:	Eva Rani Bairagi
Date of Birth	:	11 <sup>th</sup> February,1987
Gender	:	Male
Marital Status	:	Married to Anindita Biswas Rumpa & Blessed with a Boy.
Nationality	:	Bangladeshi
Religion	:	Hindu
Permanent Address	:	Vill: Ramnagarcar, Post: Agdia Shimulia, Thana: Narail, Dist: Narail
Current Location	:	Shafipur, Kaliakoir, Gazipur.

## **EDUCATIONAL BACKGROUND**

Degreee	Institute	CGPA	Passing Year
<b>BSc. In Mechanical Engineering</b>	Bangladesh University of Engineering & Technology (BUET)	3.66 (Scale: 4)	2010
<b>HSC</b>	Jessore Cantonment College	4.70 (Scale:5)	2005
<b>SSC</b>	Parboti Vidyapith	4.75 (Scale:5)	2003

## CORE COMPETENCE

- R&D
- Turnkey Project Management.
- Design Implementation
- Product Improvement
- Multi-tasking
- Process Development
- Standardization
- Leading the Team
- Project Management

## JOB EXPERIENCE

**Total Year of Experience : 6.8Year(s)**

### **1. Deputy Director ( March 1, 2011 - October 10, 2015)**

**Walton Hi-Tech Industries Limited**

Company Location : Chandra, Kaliakoir, Gazipur

Department: Motorcycle

#### **Duties/Responsibilities:**

##### **1. Motorcycle Engine Sourcing, Testing & Assembly Line Supervision**

- Sourcing good quality engine for Walton motorcycle.
- Engine performance development by introducing good quality parts by negotiating with engine manufacturer.
- Testing engine performance with Dynamometer.
- Compatibility test of engine with Walton motorcycle for optimization performance and fuel consumption.
- Pre-Shipment Inspection of Engine CKD components before shipment from supplier's factory.
- Preparing documentation for standard assembly procedure, training assembly line technicians, regular monitoring.
- Supervising inline engine dynamometer test.
- Providing instructions for standard repair works.

##### **2. Motorcycle Performance Development**

- Performance test of motorcycle in Chassis Dynamometer.
- Emission test according EURO standard.
- Tuning the engine for best performance, least fuel consumption & emission.

### **3. Raw material quality assurance**

- i. Pre-shipment inspection of components before shipping out from Vendors.
- ii. Giving proper instruction to store parts and components specially engine parts.

### **4. Motorcycle Service**

- i. Preparing model wise service manual
- ii. Training the service personnels.
- iii. Regular monitoring of service centers.

## **2. Sr. Deputy Director ( October 10, 2015 - Continuing)**

**Walton Hi-Tech Industries Limited**

Company Location: Chandra

Department: Refrigerator Compressor R&D

### **Duties/Responsibilities:**

- 1. Deputy Head of the Department of Compressor R&D
- 2. Project Management: Compressor Manufacturing Plant setup, Laboratory setup for testing & certification.
- 3. Compressor R&D Works:
  - a. Concept design of new model of compressor targeting improved COP & reliability and environment friendly design.
  - b. Prototyping, testing & Validation and finally product implementation for production.
  - c. Production process designing. Sourcing new machineries, installation & commissioning for compressor manufacturing.
  - d. Process Engineering: Guide the team for regular production support & production process trouble shooting.
- 4. Working with different Turnkey Projects for setup in-house manufacturing facilities for parts/components which are currently being imported for compressor.
- 5. Production process development and continuous improvement.
- 6. Regular troubleshooting of production line.

## ACADEMIC TRAINING

Training Title	Topic	Institute	Country	Location	Year	Duration
Training of Operation & Maintenance of Power Plant	Operation, Maintenance of both Gas and Steam based power plant & relevant utilities.	BPDB	Bangladesh	Baghabari Power Plant, Sirajganj	2010	1 Month

## PROFESSIONAL TRAININGS

1. One month training on motorcycle engine assembly process.
  - Standard assembly process
  - Inline QC check
  - Standard repair/rework method
  - Dynamometer test
2. Per-shipment Inspection
  - Testing sample batch of engine components before shipment from vendors factory.
  - Quality check of body parts of motorcycle before shipment from vendors.
  - Providing proper packaging & shipment instructions to keep the materials safe during transportations.
  - Instruction for proper storing of parts and components, especially for parts of engine.
3. Performance Testing:
  - Torque-speed performance test under steady-state and transient conditions
  - Durability & Reliability test
  - Vehicle emission test according to standard test cycle
  - Research & Development of engines to improve of fuel efficiency, durability & reliability.

## BUSINESS TOUR TO FOREIGN COUNTRIES

Country	Purpose	Company Visit	Motorcycle Expo	Year
China	Training, Meeting with Suppliers, Attending Motorcycle Expo.	Zongshen, Jialing, Jianshe, Lifan, Bashan etc.	CIMA, Canton Fair	2011-2014 (Five times)
Japan	Attending Motorcycle Expo	Tokyo Motor Show	Tokyo Motor Show	2012
Taiwan	Attending Motorcycle Expo	Taiwan Motorcycle Show (Taipei)	Taiwan Motorcycle Show (Taipei)	2012

## SPECIALIZATION

Fields of Specialization	Description
<ul style="list-style-type: none"> <li>• R&amp;D</li> <li>• Turnkey Project Management</li> <li>• Industrial &amp; Production Engineering</li> <li>• Testing &amp; Certifications</li> <li>• Automotive Engine</li> <li>• Hermetic Compressor</li> <li>• Refrigeration Engineering</li> <li>• Cost Optimization</li> </ul>	<p>With six and half years working experience as R&amp;D engineer I have gathered knowledge of Engineering Design, Modeling &amp; Simulation, Production Process Engineering, and Product Testing &amp; Certifications. I have also gather core experience of Project Management, New Model Development &amp; Implementation, Cost Optimization &amp; other relevant applications of my engineering knowledge.</p>

## REFERENCES

Name: Md. Ahsan Habib Shaikat

Organization: Walton Hi-Tech Industries Ltd.

Designation: Additional Director

Relation: Colleague

Contact: +8801678048456

Name: Mithun Chakraborty

Organization: Walton Hi-Tech Industries Ltd.

Designation: Additional Director

Relation: Colleague

Contact: +8801678048254

I hereby declare that all the informations stated above are true and authentic.

-----

Signature