**Balajiautotech.com**

# Main Page

## Header section

Phone Number icon: +91 94498 61404

Email icon: sales@balajiautotech.com

HOME | ABOUT US | PRODUCTS | SERVICES | PORTFOLIO | CONTACT US

Note:   
\* Light background colour  
\* No social media icons

## Main front view section

Background video in loop with dull mask

Wording/tag line: Delivering the excellence of Mechatronics Solutions.

## About us

**Brief introduction:**

We specialize in mechatronics solutions for CNC profile cutting machines. Our experienced team can simulate your specific requirements using advanced software, ensuring that we provide tailored and effective solutions. Whether you need a new turnkey profile cutting machine or are looking to retrofit existing equipment, we offer comprehensive technical assistance. Our expertise in industrial automation guarantees reliable and efficient solutions for your manufacturing needs.

**Image:** CE MARK, ISO, GST, MSME Sustainable (**ZED**) CERTIFIED

## Products rang

3 Top: Oxyfuel/Plasma Profile, Machine tools, Retrofit Packages

* + 2 bottom : Robots, spares   
      
    (Images Required for)   
    ROTOGROOVE
  + ROTOWORM
  + ROTODRILL
  + ROTODEEP-HOLE
  + ROTOHON
  + ROTOWHIR
  + SPM’S

## Section with banner

TAGLINE: "Your Trusted Partner in Mechatronic Innovation and Cutting-Edge Solutions."

## Why choose us

* **In depth knowledge:** We have a proven track record in the CNC machining industry, with detailed knowledge, years of experience and a team of skilled professionals.
* **Excellence in detailing and servicing:** We offer a wide range of CNC machining services to meet diverse industry needs. Our dedicated customer service team is always available to address your inquiries and provide support throughout the project lifecycle.
* **Compatible Pricing:** Our efficient processes and bulk purchasing power enable us to offer competitive pricing without compromising quality.
* **High-Quality Standards**: Our commitment to quality ensures that every product meets rigorous industry standards, resulting in precision and reliability.
* **Customized Solutions**: As every project is unique, we work closely with clients to provide customized machining solutions that fit their requirements.

## FAQ

1. **What industries do you serve?**Industries such as aerospace, automotive, defence, electronics, shipbuilding, construction, fabrication and manufacturing frequently use CNC machining for precision parts production.
2. **Can you handle custom/SPM’S projects?**  
   Yes, we specialize in custom machining solutions tailored to your specific project requirements.
3. **Do you manufacture or service manual machines?**  
   No, we support and manufacture CNC machines only.
4. **What is the delivery time for CNC machines?**  
   It varies based on project complexity and size, but we aim to provide timely delivery estimates anywhere between 16-20 weeks.
5. **What quality standards do you adhere to?**  
   We comply with industry standards ISO 9001, ensuring high-quality production processes and outcomes.
6. **How can I request a quote?**  
   You can request a quote by contacting us through our website or directly via email/phone with project specifications/requirements.

## We are in

World map with location with coloured countries

1. India
2. UK
3. Germany
4. Israel
5. Dubai
6. Africa

# ABOUT US

## Brief introduction:

Balaji Autotech Pvt. Ltd., a leading company founded in 2002, specializes in the manufacturing, exporting, importing, and servicing of a wide range of CNC cutting machines and machine tool retrofits. Our products, including CNC oxyfuel / plasma profile and pipe cutting machines, thread milling, grooving, drilling, whirling, deep hole drilling, honing and Special purpose machines, are known for their advanced technology, optimal performance, and long-lasting durability.

As a global exporter, we are committed to delivering high-quality products and services that meet international standards. Our team of skilled engineers and designers continually strives to innovate and create cutting-edge solutions tailored to the diverse needs of our customers, from large corporations to small and medium-sized enterprises.

In addition to our exceptional products, we offer comprehensive after-sales support, including value-added services and AMC (Annual Maintenance Contracts), to ensure customer satisfaction and long-term success.

## Image**:**

CE MARK, ISO, GST, MSME Sustainable (ZED) CERTIFIED

## Timeline (pending)

Since our inception, we have been dedicated to innovation and excellence in the machinery industry. Our journey has evolved from specialized retrofitting to introducing cutting-edge products, reflecting our commitment to meeting the needs of our customers and adapting to industry advancements. Below is a timeline highlighting key milestones in our company’s history.

|  |  |
| --- | --- |
| Year | Progress |
| 2002 - 2008 | Our company specialized exclusively in retrofitting existing machinery to improve performance and efficiency. |
| 2009 | We marked a significant milestone by receiving our first order for a new machine, which led to the successful launch of our innovative product line. |
| 2010 |  |
| 2011 |  |
| 2012 |  |
| 2013 |  |
| 2014 |  |
| 2015 |  |
| 2016 |  |
| 2017 |  |
| 2018 |  |
| 2019 |  |
| 2020 |  |
| 2021 |  |
| 2022 | Hobbing Machine |
| 2023 |  |
| 2024 |  |

## Board of directors with photos (Images are Required)

GP Satish, Managing Director (Marketing/Sales)

H Basavaraju, Director (Designs/Electronics)

Harish HS, Director (Designs/Mechanical)

Srinivas T, Director (Application)

## Team image

## Company video in you-tube

# PRODUCT

## 3.1 Oxy fuel/plasma profile

The catalogue has been give already.

## 3.2 Machine Tools

## 3.3 Retrofit Package

3.3.1 Oxy fuel/plasma retrofit

An **Oxy-Fuel/Plasma Retrofit** involves upgrading older cutting machines, such as oxy-fuel or plasma cutting systems, with modern controls, drives, and automation. This retrofit enhances the precision, speed, and efficiency of the cutting process.

By retrofitting your existing cutting equipment, you can benefit from the latest technology such as advanced CNC controls, automated torch height controls, and enhanced safety features

3.3.2Machine Tool Retrofits: Enhance Your Equipment's Performance

A **machine tool retrofit** upgrades your existing machinery to enhance performance, extend its lifespan, and integrate modern technologies without the high cost of replacement. It revitalizes old equipment, boosting speed, accuracy, and capabilities.

**What Can Be Retrofitted?**

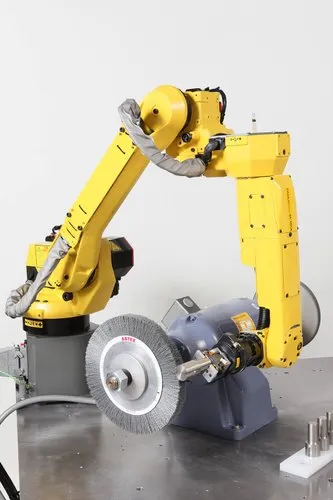
Machine tool retrofitting involves upgrading key components like control systems (involving CNC & PLC), motors, servo systems, and spindles to improve performance, energy efficiency, and precision. It also includes automating processes with smart technologies to enhance safety features and optimizing operator comfort, all while integrating modern technologies for better control, monitoring, and diagnostics.

\*\*Can include the catalogues/ppts\*\*

## 3.4 Robot

3.4.1 Grinding

Robotic grinding uses robotic arms with grinding tools to perform precise, efficient grinding. It improves quality, speed, and consistency over manual methods, making it ideal for industries like automotive, aerospace, and metalworking. With advanced sensors, CNC controls, and AI, robotic grinding handles complex shapes, tough-to-reach areas, and high-tolerance surfaces, reducing operator fatigue and lowering production costs.



3.4.2 Polishing

Robotic polishing is a process where robots are used to smooth or polish the surface of a material, typically metals, plastics, or composites. Instead of using manual labor or traditional machines, robots are programmed to move polishing tools (like brushes, pads, or abrasives) across the surface. This process is automated, which means it’s faster, more precise, and often more consistent than doing it by hand.

3.4.3 Material Handling

A **material handling robots** are automated system designed to transport, handle, and manage materials within a manufacturing facility, warehouse, or distribution center. These robots help streamline the movement of goods, reduce human labor, and increase efficiency.



3.4.4 Spray Painting

## 3.5 Spares

# SERVICE

## Refurbishment and Reconditioning

CNC (Computer Numerical Control) machines are precision tools used in manufacturing, capable of producing complex parts with high accuracy and repeatability. Over time, these machines can wear and tear, affecting their performance and efficiency. Refurbishment and reconditioning are processes aimed at restoring CNC machines to their original or even improved condition.

**Refurbishment of CNC Machineries**

Refurbishment typically involves:

* **Cleaning and Inspection:** Removing dirt, debris, and coolant residue from the machine's components. A thorough inspection is conducted to identify worn or damaged parts.
* **Minor Repairs:** Addressing issues like loose screws, misaligned components, and minor electrical faults.
* **Component Replacement:** Replacing worn or damaged parts, such as bearings, seals, and belts.
* **Lubrication:** Applying fresh lubricants to moving parts to reduce friction and wear.
* **Electrical and Control System Check:** Ensuring the electrical components and control systems are functioning correctly.

## Reconditioning **of CNC Machineries**

Reconditioning is a more extensive process that often involves:

* **Disassembly:** Breaking down the machine into its individual components for thorough inspection and cleaning.
* **Major Repairs or Overhauls:** Addressing significant issues like worn spindle bearings, damaged gearboxes, or hydraulic system problems.
* **Component Replacement:** Replacing major components, such as the spindle, servo motors, or control system.
* **Upgrades:** Implementing upgrades to improve the machine's performance, accuracy, or capabilities.
* **Reassembly and Testing:** Reassembling the machine and conducting rigorous testing to ensure it meets original specifications.

## Benefits **of Refurbishment and Reconditioning**

* **Extended Machine Life:** Refurbished and reconditioned CNC machines can continue to operate for many years, saving on the costs of purchasing new equipment.
* **Improved Performance:** Proper maintenance and restoration can enhance the machine's accuracy, speed, and reliability.
* **Cost-Effective:** Refurbishment and reconditioning are often more cost-effective than purchasing a new machine.
* **Reduced Downtime:** By addressing maintenance issues proactively, downtime can be minimized.
* **Environmental Benefits:** Extending the life of existing machines reduces the demand for new materials and manufacturing processes, contributing to a more sustainable future.

By investing in the refurbishment and reconditioning of CNC machines, we can ensure you’re your equipment remains in optimal condition, enabling them to maintain high levels of productivity and efficiency.

# PORTFOLIO

## Award

## Projects

## Industrial visits

## Expos

## Achievements

## Special occasions

# CONTACT US

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KARNATAKA, INDIA

[www.balajiautotech.com](http://www.balajiautotech.com)

Small and minimal **MAP** **LOCATION** square shape

Enquire form,

1. Name
2. email id
3. Contact number
4. Products drop down (subject)
5. Specifications and Requirements (Message)