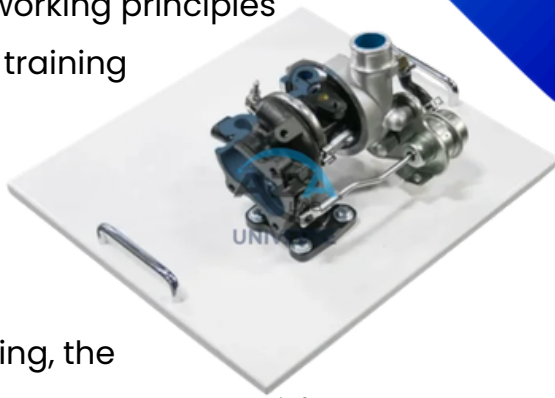
CUT MODEL OF TURBOCHARGER AZA1252

The AZA LAB Cut Model of Turbocharger – Model AZA1252 is a precision-engineered educational cutaway designed to clearly demonstrate the working principles of a turbocharger used in modern automotive engines. This training model provides a comprehensive visual understanding of forced induction systems, illustrating how exhaust gases drive a turbine to compress intake air and improve engine power, efficiency, and performance.



Purpose-built for engineering education and technical training, the AZA1252 exposes all major internal components, enabling students to study airflow, exhaust flow, turbine operation, and cooling pathways in a highly realistic and practical manner.

FEATURES

1. EDUCATIONAL CUTAWAY DESIGN

Precisely sectioned to clearly display the internal construction and operating mechanism of the turbocharger assembly.

2. VISIBLE TURBOCHARGER COMPONENTS

Clearly exposes critical components including:

- Air intake section
- Water cooling channels
- Compression impeller
- Exhaust gas outlet
- Water cooling channels

3. REAL AUTOMOTIVE COMPONENTS

Manufactured using genuine automotive turbocharger assemblies to ensure accurate industrial representation.

4. FORCED INDUCTION DEMONSTRATION

Demonstrates how exhaust-driven turbine systems increase intake air pressure and engine output compared to naturally aspirated engines.

5. DURABLE PROFESSIONAL FINISH

Finished using high-quality automotive-grade coatings for durability, corrosion resistance, and enhanced visual clarity.

KEY BENEFITS

- Enhances understanding of turbocharger operation and forced induction systems
- Provides hands-on and visual learning for automotive and mechanical students
- Manufactured using real automotive turbocharger components
- Ideal for classrooms, laboratories, and vocational training centers
- Durable construction suitable for long-term institutional use

TECHNICAL SPECIFICATIONS

Specification	Details
Model	AZA1252
Make	AZA LAB
Air Intake	Sectioned for visibility
Compression Impeller	Fully visible cutaway
Air Outlet	Clearly displayed
Exhaust Gas Outlet	Visible and demonstrative
Water Cooling Channels	Sectioned and highlighted
Construction	Real automotive components
Dimensions (L × W × H)	400 × 400 × 300 mm
Weight	14 kg