



# Mechanical Engineering 101

*WAGmob*

Download now

[Click here](#) if your download doesn't start automatically

# Mechanical Engineering 101

*WAGmob*

**Mechanical Engineering 101** WAGmob

★ ★ ★ ★ ★ WAGmob: Over One million paying customer ★ ★ ★ ★ ★

WAGmob brings you Simple 'n Easy, on-the-go learning app for "Mechanical Engineering".

The app provides:

1. Snack sized chapters for easy learning.

Designed for both students and adults.

This app provides a quick summary of essential concepts in Mechanical Engineering by following snack sized chapters:

(Each chapter has corresponding flashcards)

Mechanical Engineering and Mechanics,

- What is Mechanical Engineering
- Sub Categories
- Core Concepts
- History and Time Line
- Classification of Mechanics
- Mechanics of Solids
- Young's Modulus
- Mechanics of Fluids
- Free-Body Diagrams
- Trusses
- Virtual Work
- Importance of Mechanics

Engineering Materials,

- Engineering Materials
- Types of Material
- Metals
- Categories of Metals
- Ceramics
- Glass
- Polymers
- Categories of Polymers
- Adhesives
- Composites
- Categories of Composites

### Mechanical Properties,

- Mechanical Properties of Material
- Stress
- Strain
- Hooke's Law of Elasticity
- Elasticity
- Plasticity:
- Stiffness
- Brittleness and Toughness
- Ductility
- Fatigue
- Strength
- Malleability
- Hardness

### Mechanical Measurements,

- Introduction
- Temperature
- Pressure
- Velocity
- Torque
- Force
- Power
- Terms Used to Define Performance

### Thermodynamics,

- Thermodynamics
- Approaches to Study Thermodynamics
- Thermodynamic Equilibrium
- System and Surroundings
- Heat energy
- Gas Law
- Laws of Thermodynamics
- Zeroth Law of Thermodynamics
- First Law of Thermodynamics
- Second law of Thermodynamics
- Third law of Thermodynamics
- Thermodynamic Processes
- Heat Transfer
- Application of Thermodynamics

### Machine Tools I,

- What are Machine Tools?
- Types of Machine Tools
- Lathe Machine
- CNC Machine

- Drilling Machine

#### Machine Tools II,

- Specifications of a Drilling Machine
- Milling Machine
- Types of Milling Machine
- Grinding Machine
- Shaping Machine
- Types of Shaping Machine
- Broaching machine

#### Manufacturing Process,

- Introduction
- Casting
- Forming and Shaping
- Forging
- Drawing
- Extrusion
- Rolling
- Cutting
- Machining
- Finishing

#### Measurement Tools,

- Introduction
- Classification of Measuring Tools
- Some of the Basic Measuring Instruments:
- Instruments for transferring measurements
- Spring Calipers
- Dividers
- Telescoping gages
- Angular Measurement
- Sine bar

#### Fluid Mechanics,

- Introduction
- Fluid
- Categories of Fluid Mechanics
- Fluid statics
- Fluid kinematics
- Laminar and turbulent flows
- Streamlines, Streak lines, path lines
- Reynolds Number
- Fluid dynamics
- Fluid properties

- Manometer
- Buoyancy
- Bernoulli's Equation

#### Combustion Engines,

- Combustion Engine
- Types of Combustion Engine
- Internal Combustion Engines
- Classification of Internal Combustion Engine
- Petrol Engine
- Two stroke Petrol Engine
- Four Stroke Petrol Engines
- Diesel Engine
- Two stroke Diesel Engine
- Four Stroke Diesel Engine
- Different Parts of Internal Combustion Engine
- Engine Performance
- Applications of Internal combustion Engine
- External Combustion Engines

#### Steam Boilers,

- Introduction
- Materials
- Fuel
- Classification of Boilers
- Fire-tube
- Cornish boiler
- Lancashire boiler
- Scotch Marine boiler
- Locomotive boiler
- Cochran boiler
- Water-tube boilers
- Babcock and Wilcox boiler
- Stirling boiler
- Boiler Draught
- Accessories

#### About WAGmob apps:

- 1) A companion app for on-the-go, bite-sized learning.
- 2) Offers value for money (a lifetime of free updates).
- 3) Over One million paying customers from 175+ countries.

WAGmob Vision : Simple 'n easy apps for a lifetime of on-the-go learning

Visit us : [www.wagmob.com](http://www.wagmob.com)

Please write to us at Team@WAGmob.com. We would love to improve this app.

 [Download Mechanical Engineering 101 ...pdf](#)

 [Read Online Mechanical Engineering 101 ...pdf](#)

## Download and Read Free Online Mechanical Engineering 101 WAGmob

---

### From reader reviews:

#### **Justin Price:**

Inside other case, little individuals like to read book Mechanical Engineering 101. You can choose the best book if you'd prefer reading a book. As long as we know about how is important a new book Mechanical Engineering 101. You can add information and of course you can around the world by just a book. Absolutely right, because from book you can understand everything! From your country right up until foreign or abroad you will find yourself known. About simple issue until wonderful thing it is possible to know that. In this era, we could open a book or perhaps searching by internet unit. It is called e-book. You may use it when you feel bored stiff to go to the library. Let's study.

#### **Neil Owens:**

The book Mechanical Engineering 101 gives you the sense of being enjoy for your spare time. You can utilize to make your capable more increase. Book can to become your best friend when you getting pressure or having big problem along with your subject. If you can make studying a book Mechanical Engineering 101 to be your habit, you can get more advantages, like add your capable, increase your knowledge about many or all subjects. You may know everything if you like wide open and read a publication Mechanical Engineering 101. Kinds of book are several. It means that, science publication or encyclopedia or other people. So , how do you think about this e-book?

#### **Jose Johnson:**

Book is to be different per grade. Book for children until adult are different content. As you may know that book is very important for all of us. The book Mechanical Engineering 101 was making you to know about other understanding and of course you can take more information. It is quite advantages for you. The e-book Mechanical Engineering 101 is not only giving you more new information but also for being your friend when you feel bored. You can spend your own spend time to read your e-book. Try to make relationship together with the book Mechanical Engineering 101. You never sense lose out for everything if you read some books.

#### **Shane Hern:**

People live in this new day of lifestyle always try to and must have the time or they will get lots of stress from both lifestyle and work. So , once we ask do people have spare time, we will say absolutely without a doubt. People is human not just a robot. Then we request again, what kind of activity are you experiencing when the spare time coming to you actually of course your answer may unlimited right. Then ever try this one, reading guides. It can be your alternative with spending your spare time, the actual book you have read is Mechanical Engineering 101.

**Download and Read Online Mechanical Engineering 101 WAGmob  
#N50K1P3OFRZ**



## **Read Mechanical Engineering 101 by WAGmob for online ebook**

Mechanical Engineering 101 by WAGmob Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mechanical Engineering 101 by WAGmob books to read online.

### **Online Mechanical Engineering 101 by WAGmob ebook PDF download**

#### **Mechanical Engineering 101 by WAGmob Doc**

#### **Mechanical Engineering 101 by WAGmob Mobipocket**

#### **Mechanical Engineering 101 by WAGmob EPub**