



Overview:

- **This Trainer is nothing but CKD kit** for building various types of machines.
- It is useful for **construction of 20 types of different Electrical Machines & other combinations of MG sets**.
- The complete list is provided below.

Purpose & Educational Value:

- Useful in giving students **confidence** & understanding of **constructional details** & **functional characteristics** of electrical machines.
- The experience achieved by students — **by themselves coupling various types of combinations of machines**, connecting with panel & starting the system with desired results — gives:
 - Confidence to students
 - Feel of working with industrial products

Supported Machines & Demonstrations:

The trainer is suitable for demonstrating the **construction & working** of:

- DC Motor / DC Generator (Shunt, Series & Compound)
- Single Phase Capacitor Run Motor
- 3 Phase Induction Motor (Squirrel Cage & Slip Ring)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

- AC Alternator (Single / Three Phase)
- Single Phase Universal & Repulsion Motor
- AC Synchronous Generator

System Inclusions:

- **Metering Panel**
- **Power Supply Panel** (for Single Phase Supply)
- **DC Rectifier Panel** (for DC Motor)
- **DC/AC Single Phase Variable Supply Source**
- **Common Base Frame**
- All machines are rated with **Single Phase 110V**

Assemblies Possible with Machine Trainer / Dissectible:

- DC Shunt Motor
- DC Series Motor
- DC Compound Motor
- DC Shunt Generator (Self Excited)
- DC Shunt Generator (Separately Excited)
- DC Compound Generator (Self Excited)
- DC Compound Generator (Separately Excited)
- DC Series Generator
- AC Series Motor
- Single Phase Repulsion Motor
- Rotary Converter (AC to DC)
- Rotary Inverter (DC to AC)
- Single Phase Capacitor Start Induction Motor
- Single Phase Capacitor Start Capacitor Run Motor
- 3 Phase Slipring Induction Motor
- 3 Phase Synchronous Induction Motor

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- 3 Phase Alternator (Rotating Armature)
- 3 Phase Squirrel Cage Induction Motor
- 3 Phase Alternator (Rotating Field)
- 1 Phase Alternator (Rotating Field)

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