

Conversion of Analogue Universal Testing Machine into Analogue cum Digital Universal Testing Machine

The Universal Testing Machine has been one of the most trusted and acknowledged Testing machine in Metal industries. With times the changes has affected its capability and usage. Now with options of conversion on hand, we can increase the life and capability of your most trusted asset.



Option 1

This option consist of following Items and Activities:-

We will add following **parts** to your machines:-

1. **Microprocessor Based Panel** (Make - Fasne / Sakshi)
2. **Pressure Cell** (Make - ADI)
3. **Rotary Encoder** with its assembly (Make - Jen Encoder)
4. **Software** (Make - Fasne / Krutam)
5. 4 Nos. Of **Hydraulic Hoses**
6. All required **wires** and **electrical connectors**.

We will do following **Activities** in this project:-

- **Cleaning** of old machine body
- **Fitment of Pressure cell and Rotary Encoder**
- **Fitment of electrical cables and hydraulic hoses**
- **Colouring** of Machine body in **BLUE & WHITE** or **RED & DARK GREY** colour options.
- **Installation** of Electronics Panel
- **Installation** of Software in your computer
- **Calibration**
- **Training and Handover**

Advantages of this Conversion Option:-

- a. The analogue system has heavy **uncertainty** of measurement which **gets eliminated** in this option.
- b. Machine achieves limit of **measurement with surety of 99%** as required in **ISO 17025** or **NABL**.
- c. Machine achieves its **working range** with above stated condition from as low as **2% to 100%** of its capacity.
- d. Graphs - **LOAD vs TIME, LOAD vs Cross Head Travel, LOAD vs Strain, Stress vs Strain** can be plotted with this system.
- e. Machines gets ready to connect with **Electronic Extensometer** for measuring **0.2% PROOF STRESS**.
- f. **Life of Machine** gets extended by **min. 3 years upto atmost 10 years**.
- g. **Fatigue level** of Operator gets **decrease by 70%**.

Estimated Delivery and Installation time

Delivery - 2 to 4 weeks from date of Advance received with your PO.

Installation - 3 days from date of 100% payment received.