

TENSILE AND COMPRESSION TESTERS

Modernization of ZD 10/90 and ZD 40



Modernization of tensile and compression testing machines

- Retrofit of ZD 10/90 and ZD 40 machines built in the 1980s, whose original electronics can no longer be serviced or replaced.
- **ZD 10/90** – complete new control: PLC, control panel with emergency stop, fast/slow speed and direction selection, joystick positioning and thyristor servo drive of the DC motor.
- **ZD 40** – new measurement and visualization system on the existing machine.
- Force is measured by a load cell (ZD 10/90) or a pressure transducer (ZD 40); jaw travel by an absolute encoder.
- PC with Windows 10 and dedicated software: analog and digital force indicator with peak hold, position, displacement and speed, live force–elongation graph, saving and printing.
- Range 0–10 000 kg (ZD 10/90) and 0–40 000 kg (ZD 40), resolution 1 kg; travel speed 0–300 mm/min; displacement accuracy 0.01 mm / 0.04 mm.



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