

## High Stiffness Compression Testing Machine Series D 1000 kN

with climatic chamber for simulation of environmental conditions to determine the compressive strength of rocks in accordance with relevant international standards.

**Compression Capacities: 1000 kN**

### Features:

- The Series D is a compact family of compression testing machines in a very high stiffness 4-column-construction. Precision according to EN - ISO 7500-1, Grade 0.5.
- The actuator is integrated in the base of the machine.
- Machine is equipped with climatic chamber with isolation through special glass. The chambers consist of three doors around the machine for easy and convenient loading of the specimens and fixing of displacement transducers. In the test chamber between the compression platens are 2 displacement transducers installed for accurate measurement and evaluation of displacement by averaging the values  $(A, B, (A+B)/2)$ . Additionally equipped with 2 load cells 250 kN and 1000 kN for precise force measurement in the full range of the capacity.
- Available with digital controller Series **PCS<sub>5000</sub>** and material testing software **DION** for fully automatic test procedure in closed loop mode and high speed data acquisition of 5 kHz.
- Different sizes of distance platens available for testing of specimens with different heights.

