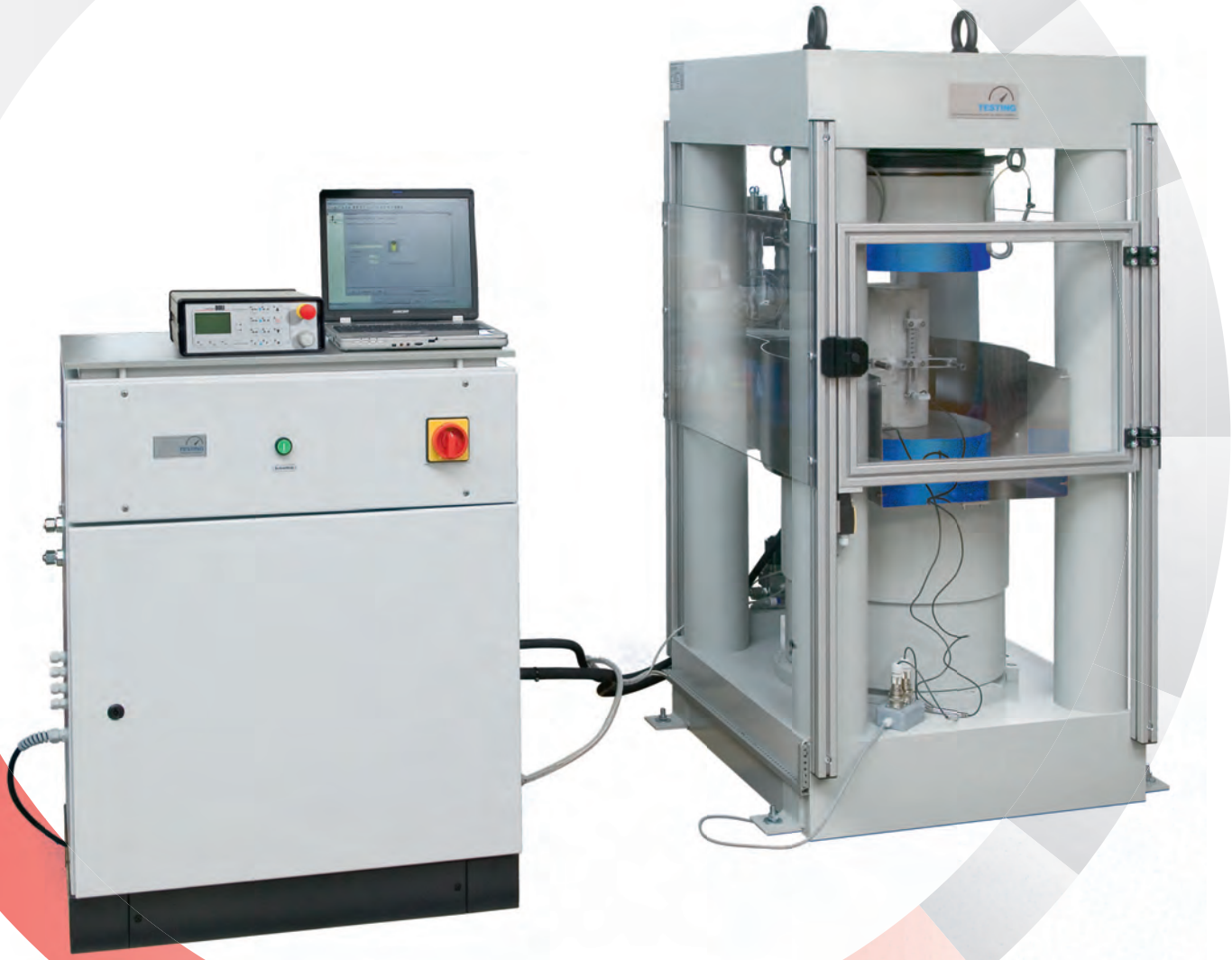

Compression testing machine 2000 / 3000 / 4000 kN

Premium design – servo-controlled Straintest cylinder in accordance with DIN EN 12390-4

For testing of hardened concrete in accordance with the following standards:
EN 12390, ASTM C39

EN 12390-3	Compressive Strength and Modulus of Elasticity
EN 12390-5	Flexural Strength
EN 12390-6	Tensile Splitting Strength

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Order no. **2.1100**

Compression testing machine 2000 kN

Order no. **2.1101**

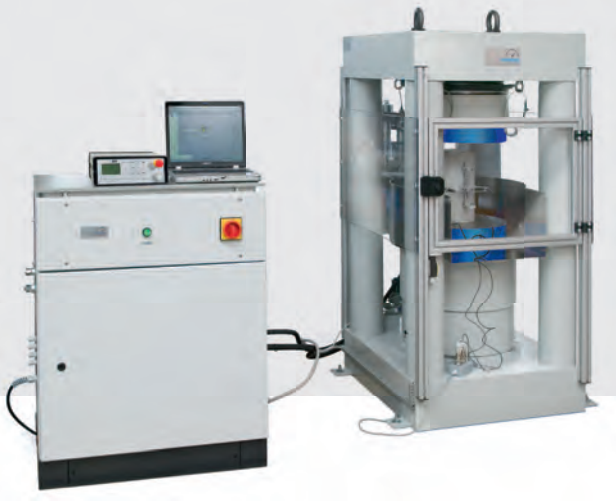
Compression testing machine 3000 kN

Order no. **2.1102**

Compression testing machine 4000 kN

Premium Design – servo-controlled

For testing of hardened concrete in accordance with the standards:
EN 12390, ASTM C39
EN 12390-3 Compressive Strength and Modulus of Elasticity
EN 12390-5 Flexural Strength
EN 12390-6 Tensile Splitting Strength
Strain-test cylinder in accordance with DIN EN 12390-4



Machine configuration

The machine consists of a press frame and a separate control console
Accuracy Class 1 according to DIN EN ISO 7500-1.

Machine frame

- Torsionally rigid, 4-column frame with zero-play prestressed columns.
- Spherical cup in strain-test version, in accordance with EN 12390-4
- Press assembly with hardened and fine-polished piston
- Limit switch for piston-stroke limitation
- Test zone with catch bowl for sample fragments
- Test-zone protection made of polycarbonate
- Drive system and control components in a separate control console

Technical data (standard version):

Order no.	**2.1100**	**2.1101**	**2.1102**
Force measuring range	40 - 2000 kN	60 - 3000 kN	80 - 4000 kN
Distance between the columns			
Front / side	360 / 260 mm	360 / 260 mm	450 / 450 mm
Piston stroke	50 mm	50 mm	50 mm
Diameter of pressure plate	320 mm	320 mm	415 mm
Distance setween compression plates	340 mm	340 mm	340 mm
Dimensions (w x d x h)	600 x 500 x 1600 mm	600 x 500 x 1600 mm	760 x 760 x 1600 mm
Weight, including base with control panel	2000 kg	2100 kg	3500 kg
Power specifications	3 x 230 V / 400 V 50 / 60 Hz	3 x 230 V / 400 V 50 / 60 Hz	3 x 230 V / 400 V 50 / 60 Hz

Control console

The control console contains the servovalve, the hydraulic pump, as well as a fine-flow oil filter. The hydraulic assembly consists of a high-pressure radial piston pump for testing purposes, and a low pressure gear pump with large volume for fast approach to the specimen. An electronic control unit (controller) is installed on the control console, with all elements required for operator, open and closed-loop control functions. The display is in the following units: kN, Mpa, and lbs. (pounds). The provided software enables various tests with automatic test sequences.
Several machines can be connected to the control console.

Accessories

The required accessories, in accordance with the desired test standards, can be separately ordered.

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