



picture without protective grid



picture shows drive station MEWIS-C40-PC

## PROFI-LINE

Hardened Concrete Test

### Compression Testing Machine ALPHA 2-4000

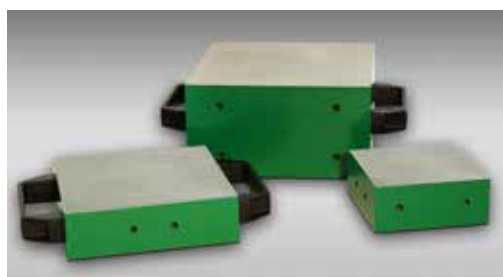
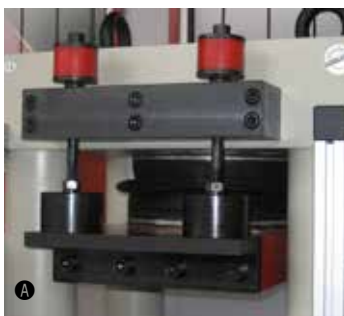
- accuracy acc. to DIN EN ISO 7500-1, class 1
- execution acc. to EN 12390-4 (straintest execution)
- compression strength tests acc. to EN 12390-3, EN 12504-1, EN 206 on concrete and high strength concrete as well as bricks acc. to EN 772
- separate drive station AS-C40-N / AS-C40-N-PC / MEWIS-C40-PC
- automatical load increase by digital controller **DIGIMAXX® C40** with servo valve in closed loop system with nominal-actual value comparison

#### Technical Data – Test Frame

- test load max.: 4000 kN
- piston stroke: 100 mm
- upper pressure plate: Ø 415 mm
- lower pressure plate: Ø 415 mm
- thickness of pressure plates: 97 mm
- hardness of pressure plates: 53 HRC
- test area height: 340 mm
- inner width of test frame:  
from left to right / front to back  
450 x 450 mm
- measuring range: 80.00 ... 4000 kN
- display area: 0 ... 4000 kN
- force measurement via electronic liquid pressure transducer
- weight: approx. 4240 kg

#### available with following test loads:

- 4000 kN, 5000 kN, 6000 kN, 10000 kN



### Technical Data – Digital Controller

- capacitive and robust 7" touch display
- PID-controller with DSP processor
- modular system with expansion options up to 8 control and measuring channels – 18 Bit
- measuring- and control cycle 2 kHz
- transmission of measured value up to 1 kHz
- freely programmable test sequences
- real-time display of the measuring channels as well as of the specimen strengths and test speed
- authorization model with different role and access authorizations (tester, laboratory manager, service technician, administrator)
- automatic and manually zero-adjustment
- adjustable break detection
- adjustable piston back-travel time
- specimen storage for test results
- 6 digital inputs galvanically isolated
- 9 potential-free relay outputs
- USB port for data export
- Ethernet connection for communication with PC software

### Options - Test Frame:

- chrome-plated columns
- larger (higher) test area
- piston stroke extension to 200 mm
- larger pressure plates  
dimensions: 420 x 520 x 97 mm  
dimensions: 380 x 620 x 97 mm
- ⓑ extendable pressure plate
- reinforcement for high strength concrete
- Ⓐ reinforcement for brick testing

### Options - Drive Stations:

- 2. connection for further test frame, e.g. bending test frame
- 2., 3. and 4. connection for further test frames, e.g. bending test frame
- magnetic switch
- electronic piston stroke measuring and control equipment
- Ⓒ test software **PROTEUS<sup>MT</sup>**



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