

**WIZARD AUTO**

Standard automatic Quality Control machines for compression and flexural testing



These all new automatic Quality Control compression machines are the outcome of 50 years of innovation and technical leadership in concrete testing equipment.

Routine testing performance has made a step change improvement with CONTROLS adopting an automatic closed-loop PID control of load rate using VFD inverter-technology.

**Features**

**Flexible use** with two analog channels for load sensors to connect an optional second frame.

**Highly efficient, quiet and energy saving AC motor** fitted with Inverter lowers running costs and is more environmentally-friendly.

**Fast approach** with dual stage pump and automatic switch to high pressure for loading improves productivity and efficiency.

**User-friendly wide graphic display** (128 x 80 pixel) for increased user comfort.

**Streamlined printing process** with optional integrated printer.

**RS232 for quick and simple data download** in ASCII format.

**High accuracy** with 16-bit effective resolution (65,000 datapoint).

**BENEFITS**



**No human error**  
Greatly reduces opportunities for operator errors, improving accuracy of results and repeatability.



**Easy to use**  
Easy to use, even for operators with limited expertise.



**Conforming to Standards**  
The machine automatically performs the test at correct test speed and conformance to Standards can be easily proven.



**High performance**  
High speed pump closes the daylight above the specimen at the fastest speed allowing a very high throughput of tests.



**Quiet operation**  
Increased operator comfort due to the significant noise reduction.



**Energy saving**  
Respects the environment with up to 50% reduction in energy consumption.

## Specifications

### Hydraulics

- Max pressure: 700 bar
- Power: 750 W
- Dual stage pump: low pressure / high delivery for fast piston approach and high pressure/low delivery for loading
- AC motor fitted with VFD inverter device featuring high efficiency, reduction of power consumption and silent operation
- Second frame optional facility using valve selector

### Hardware

- Two 16 bit analog channels for load sensors
- Wide graphic display 128 x 80 pixel
- 50 Hz sampling rate
- Internal memory
- RS 232 port for data download (including load / time graph points) to PC in ASCII format
- Optional integrated printer available

### Firmware

- Real time display of load and stress
- Automatic application of the selected load rate
- Execution of loading ramps with the possibility to manually increase or decrease the test speed during the test
- Peak load detection and saving
- Language selection
- Multi-coefficient linearization of the calibration curve for better accuracy at low loads
- Multiple units: Lbf / Ton / kN



▶ **Contact Us**

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