

STRIKE 300/450

Impact testers pendulum

The pendulum impact testers for steel products are designed to determine the energy absorption and resilience of standard metal specimens. Equipped with automatic hammer reloading after each test, they ensure high operational efficiency.

The 10-inch touch panel provides an intuitive interface, while the quick-start button, integrated into the safety door handle, facilitates operation. The full-access safety guard ensures maximum protection and convenience during testing procedures.

These instruments are available with Charpy and/or Izod tooling, adapting to various material testing needs. Among the available options are dedicated software for data analysis, an automatic notch centering device for optimal precision, automatic broken sample expulsion for continuous workflow, and specimen positioning pliers for correct placement.

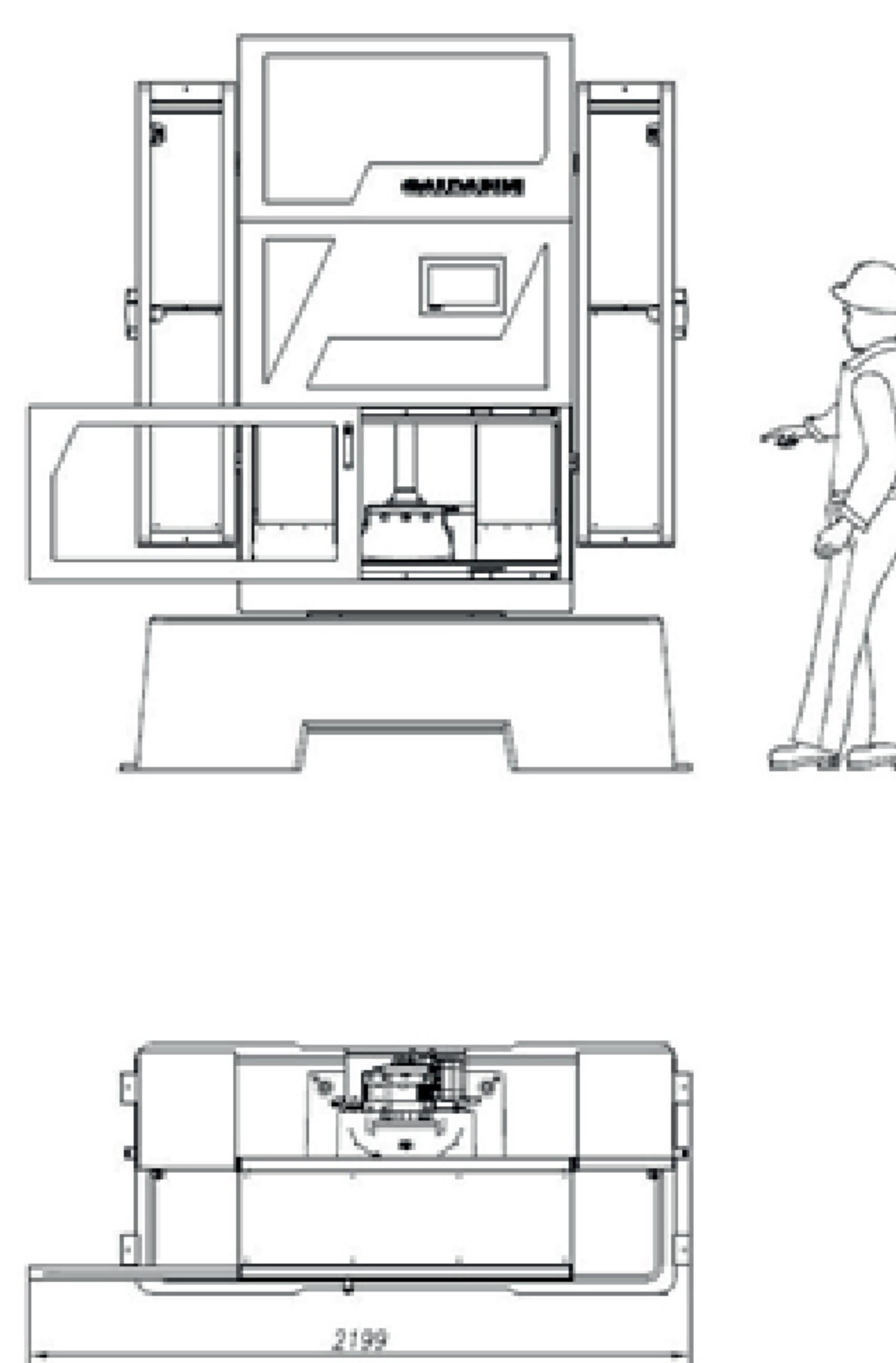
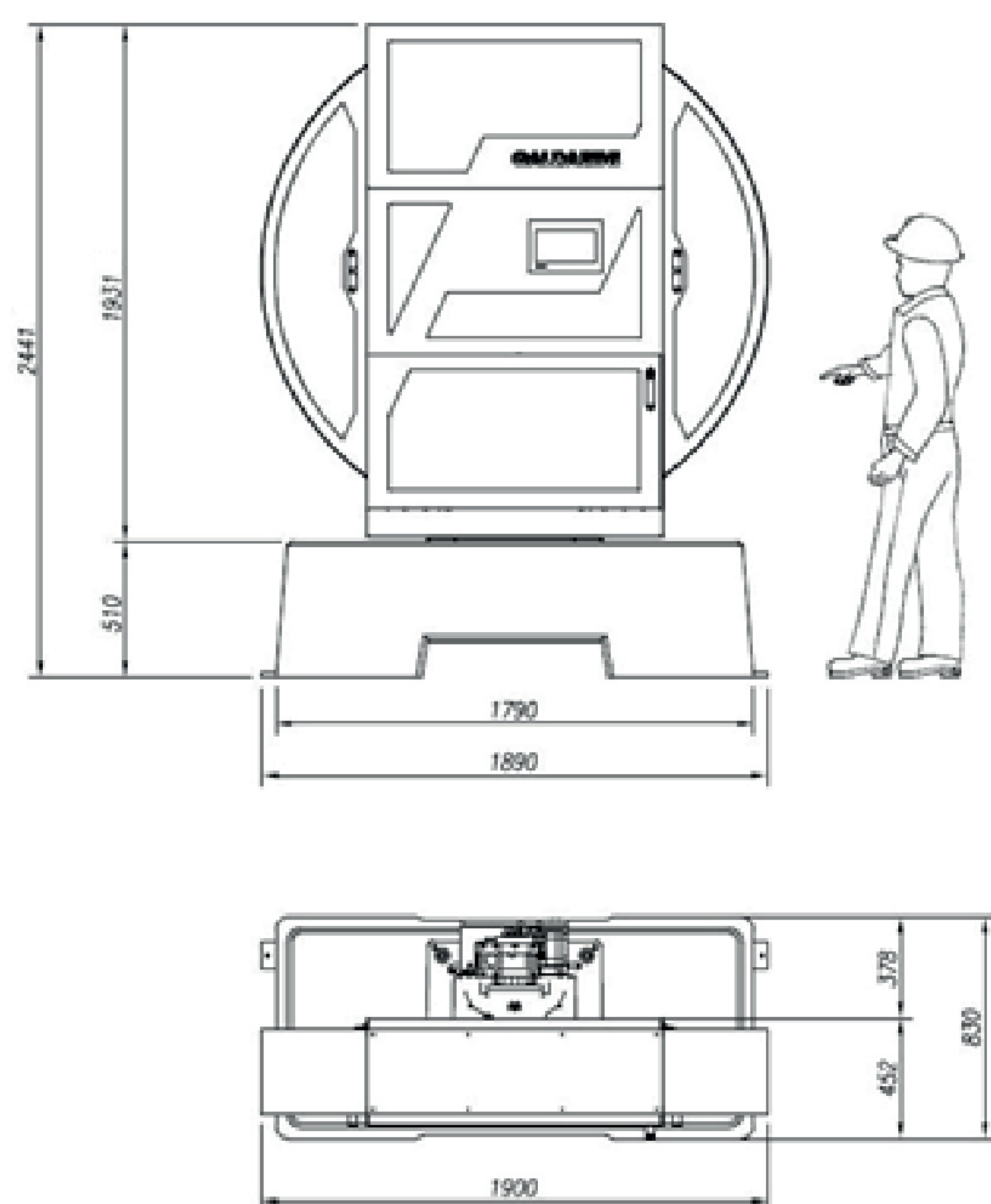
A cooling chamber or cryostat can be integrated for conditioning specimens at low temperatures, along with a digital thermometer for accurate temperature monitoring and a concrete base to ensure stability. Additionally, an instrumented package with software compliant with ISO 14556 and ASTM E 2298 standards is available, ideal for advanced result analysis.

These pendulum impact testers represent the ideal solution for industrial and research laboratories, combining precision, safety, and automation in a single, reliable, and cutting-edge instrument.



Features and benefits

- Automatic hammer reloading after every test
- 10" full touch panel
- Quick Start button on the safety door handle
- Full access safety guard
- Fast
- Functional
- Good value for money



TECHNICAL SPECIFICATION

ITEM		TS1.1.3	TS1.1.4
Nominal energy (J)		300	450
Drop height (m)		1.34	
Impact speed (m/s)		5.2	
Unit weight (kg)		1060	1070
Concrete base weight (kg)		>1700	
Dimension, with base (mm)			
Widht		1890 (2199 with opened front door)	
Depth		830	
Height		2441	
HMI		10" full touch screen display	
Data management		Exportable data log	
Data post-processing (optional)		labTEST STRIKE	
Connectivity and interface		USB port, RJ-45 Ethernet port for PC connection	
Resolution (º)		65536 pulses for 360º< 0,01	
Max certifying energy (80% of nominal size) (J)		240	360
Test results		Impact energy, Impact strenght	
Hammer reloading		Automatic after evrey test	
Other hammer	Charpy 150 J	Opt.	Opt.
	Charpy 300 J	Standard	Opt.
	Charpy 450 J	-	Standard
	Izod 300J	Opt.	Opt.
Power supply		220V±10% 50/60 Hz (other on request)	
Allowed Magnetic Field (μT)		<500	
Ambient temperature		+10º C ÷ +40º C	
Air humidity (without condensing)		Max 80%	
Approx package dimension (without concrete base)		2000 x 1000 x H2200	
Power rating (W)		400	600
Noise level dBA		<70	
Interior illumination		1000 lux	