

AREA 20 ASPHALT & BITUMEN

Performance testing

Gyrator iT (centrifugal compressor)

EN 12697-31 - ASTM 6925-15 - ASTM 7515-10 -
GOST R 52519-2006 For the manufacture of gyrator
samples with a diameter of 100 and 150 mm

- ▶ Fully automatic control of compaction and rotation for asphalt test specimen production
- ▶ Powerful, electromechanical drive
- ▶ Recording of the sample height via a force measuring device
- ▶ Integrated test dispenser
- ▶ Angle adjustment via the software and cross table
- ▶ Integrated PC for process monitoring with software and compaction protocol
- ▶ Ethernet port for updates and remote maintenance etc.

Technical data

Dimension	803 x 703 x 1800mm
Weight	538.00 kg
Electrical data	3/N/PE, 400V, 50Hz, 7kW
Compression pressure	up to 1000 kPa
Compression	10 mm per second
Interfaces	1x USB, 1x RS232, 1x Ethernet
speed	up to 30 rpm ($\pm 0.5^\circ$)
Angle	selectable 0 to 3.5°
Sample dimensions	\varnothing 100 and 150 mm

20-42000

Advantages

- ▶ Display of the working status by different colors
- ▶ Innovative light barrier for safe working
- ▶ Real-time display of test data
- ▶ 14" touch display
- ▶ Highly rigid test frame
- ▶ Easy to assemble seam clamps



**TOUCH
PANEL**



Specially developed for
temperature-reduced
asphalt.



ACCESSORIES

Gyrator iT compression form



20-42100 Ø 100 mm 10.10 kg

20-42150 Ø 150 mm 15.10 kg

Gyrator shape Ø150 mm (emulsion, soil)

- ▶ Perforated shape to drain excess water
- ▶ Use for soil and asphalt emulsion applications

(in use with 20-42000 gyration)

Technical data

Dimension approx. Ø 150 x 336 mm

Weight approx. 15.10kg

20-42151

Gyrator calibration kit

20-42190

