


PATENT N°0000283275

CODE **GT2085**
TENSION 400 V - 50 Hz three phase
OVERALL DIMENSIONS 1200x1100x1900 mm
POWER 1,5 kW
COMPRESSED AIR 7 Bar
WEIGHT 650 Kg

ROULAGE MAZAUD'S METHOD-TOUCH

STANDARDS

CSTB Cahier 3778 (2017), Annex 10.

DESCRIPTION

The instrument is compose by:

- Support plate of sample perpendicular to the load support axis that rotates in a horizontal plane to a 93 ± 2 RPM speed through a electrical engine
- Vertical axis perpendicular to the support plate where it's fixed the wheel. The wheel supported a load applied of $590 \text{ N} \div 10 \text{ N}$
- A wheel holder group that allows the wheel to rotate and oscillate freely with integrated air compressed cooling system PATENT N°0000283275
- Fast replacement of the tile test with automatic lifting of the weight
- A manual regulation of the suction flow with complete system for air speed measuring made of pitot tube and micromanometer.
- Suction system with absolute filter
- Compressed air circuit for cooling of the wheel abrasion with adjustable pressure and flow
- Safety sensor wheel
- A counter permit to stop, after 22320 revolutions (about 4 hours or 14.000 mt)
- The controls are accessed by means of a user-friendly touch screen panel

A wheel of austenitic steel, type: 18-10, x5 CrNi 18-10 or AISI 304 with following characteristics:

- Diameter: 50 mm ($0 ; \div 1$ mm)
- Width: 25 mm ($0 ; \div 1$ mm)
- Rugosity: $0,4 \leq Ra \leq 0,8$
- Planarity: $N \pm 50$ micron

EQUIPMENTS

- Suction System
- Optical miniprometer to control temperature of the wheel
- Hot wire anemometer
- Cooling system of the wheel
- 5 wheels with 2 bearings

ACCESSORIES AND SPARE PARTS

GT2106	Kit of 10 wheels with 2 bearings
GT1723	Vacuum Cleaner complete with filters
GT2069	Kit Filters vacuum cleaner