

No.2021

KRK Burst strength tester

In the international standard, burst strength is specified as a value of pressure that is necessary to make the paper or paperboard burst, by exerting pressure to the paper sheet with a certain speed and deforming the paper into a shape of a ball. This machine features the possibility of testing burst strength safely and rapidly: the specimen is applied the pressure that is exerted via a rubber diaphragm by the penetration of a motorized plunger, and the pressure sensor detects and displays pressure strength at the moment the specimen bursts. This machine comes into two types: type C and type A. Type C is designed for paper sheets, paperboard and film 0.64 mm or less thick, and Type A for paperboard, corrugated board and the like. Unlike the conventional Mullen type, the KRK burst strength tester features many advantages, for example, high precision, reproducibility and operability. This machine focuses on the safety. KRK offers the model with a printer or a paper feeder as well.

Type A (high pressure type)

Specimen clamp: upper clamp 31.5mm, lower clamp 31.5mm

Compression rate: 170 + 15cc/min.

Decompression rate: 340cc/min.

Pressure gauge: max. 5MPa (digital display)

Safety device: safety ring on the clamping section

Power source: 100/110VAC 50/60Hz 7A

Air source: 0.5MPa

Referential standards: JIS P-8131-2009, TAPPI T807om-03, T810om-85, ISO 2759

Outer dimensions: 370 × 560 × 470mm

Instrument weight: 66kg

Type C (low pressure type)

Specimen clamp: upper clamp 30.5mm, lower clamp 33.1mm

Clamp pressure: max. 1200kPa

Compression rate: 95 + 10cc/min.

Decompression rate: 190cc/min.

Pressure gauge: max 2MPa (digital display)

Safety device: safety ring on the clamping section

Referential standards: JIS P-8112-2008, TAPPI T403om-02, ISO 2758

Power source: 100/110VAC 50/60Hz 7A

Air source: 0.5MPa

Outer dimensions: 370 × 560 × 470mm

Instrument weight: 64kg

Optional paper feeder: feeding amount 1 to 99cm (increment 1cm)



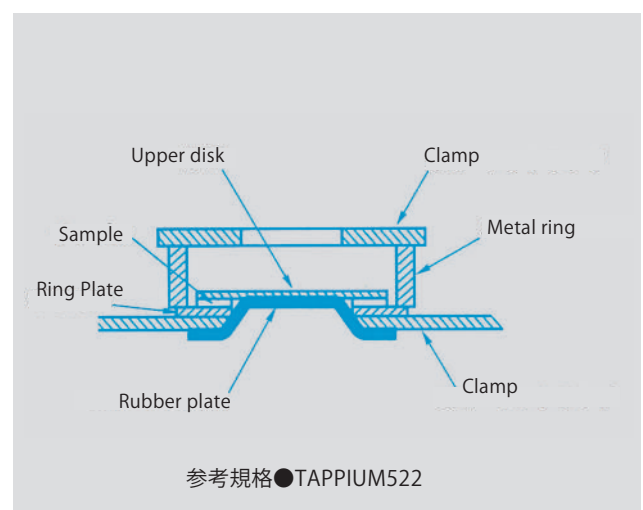
With paper feeder

No.2028

Ply separation strength tester
(exclusively used for burst strength tester)

This ply separation strength tester is designed to be used together with a burst strength tester to measure ply separation strength of paperboard. The principle is as follows: the specimen, composed of two pieces of paperboard bonded together and cut off in the shape of a doughnut, as shown in the figure, is bonded in a state of being pinched between the circular plate and the holeless metallic plate to be inserted into the burst strength tester for pressure application. During being pressurized, the rubber diaphragm inflates toward the holeless disc. The gauge reads a maximum pressure at the moment ply separation occurs.

Referential standard: TAPPI UM522



参考規格●TAPPIUM522