

PNEUMATIC PRECISION SAMPLE CUTTER *model GP-21*



The development and production of environment friendly papers and boards, with high performance and low cost, require constant R&D (research and development) and Q.C. (quality control).

The effective preparation of representative test pieces is a key point in paper and board physical tests that might not be forgotten by users since repeatability and reproducibility of test results are directly related to the quality and accuracy of test pieces prepared according to technical standards.

The GP-21 associates accuracy, speed and repeatability with safety and comfort while preparing test pieces for a variety of physical tests listed below.

The double pneumatic actuation and the external cover of light and high resistance material prevent the access of the user to the knives and internal mechanisms, ensuring total conformity to safety rules.

MAJOR TECHNICAL CHARACTERISTICS

| Type of Test | Size of test piece | Tolerances | Applicable Standards |
|---|--------------------------------|------------|--|
| Tensile tests | (15, 25, 25,4 or 50 x 300) mm | ± 0,1 mm | ISO1924/2+3, ISO12625/4+5, TAPPI T-494 |
| SCT - Short Span | (15 x 300) mm | ± 0,1 mm | ISO 9895, TAPPI T-826 |
| RCT - Ring crush tests | (12,7 x 152,4) mm (1/2 x 6) in | ± 0,1 mm | ISO 12192, TAPPI T-822 |
| CMT - Concora Medium Test | (12,7 x 152,4) mm (1/2 x 6) in | ± 0,1 mm | ISO 7263, TAPPI T-809 |
| CCT - Corrugated Crush Test | (12,7 x 152,4) mm (1/2 x 6) in | ± 0,1 mm | TAPPI T-824 |
| Tests of bending resistance | (38,1 x 70) mm | ± 0,1 mm | ISO 2493, TAPPI T-489 |
| Tests of tearing resistance | (63 x 70) mm | ± 0,1 mm | ISO 1974, TAPPI T-414 |
| Custom cutting sizes available under request. | | | |

The GP-21 features iron-cast frame, die and punch made of tempered alloy steel, feeding table, guide for cut test pieces and pneumatic system comprising piston and two actuating buttons.

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|------------|-------------------------------------|
| Air supply | 6 bar, instrument quality, 0,1 m³/h |
| Dimensions | (535 x 340 x 350) mm (W x L x H) |
| Weight | 32 kg |

Note: due to constant development our equipment design and specifications are subject to change without notice.

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