



**Thwing-Albert
Instrument Company**

More Than a Century of Testing Solutions

GP-21 Pneumatic Sample Cutter

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.

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.



Technical Specifications

Dimensions (W x L x H): 400 x 400 x 280 mm

Weight: 20 kg

Technical Characteristics

Type of Test	Size of Test Material	Tolerances	Applicable Standards
Tensile Tests	15, 25, 25,4 or 50 x 300 mm	±0.1 mm	ISO1924/2, TAPPI T-494
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

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