



PAPER TESTING ASSOCIATION

# PAPER Testing Equipment



## AUTOMATIC SAMPLE PREPARATION IBP-5A

Code. 080103

For Internal Bond Test samples preparation

Standards : TAPPI T569, T833



Sold & serviced by:

**OpTest Equipment Inc.**

[www.optest.com](http://www.optest.com) - [sales@optest.com](mailto:sales@optest.com) - +1-613-632-5169



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## CHARACTERISTICS :

- Fully automatic samples preparation.
- Solid aluminium and steel frame.
- No need to use cutters.
- Automatic cut with 6 blades. Digital selection of number of cuts, depending on the paper thickness.
- Pressure is applied in each block through 5 independent pneumatic cylinders, to ensure the same pressure in each block.
- Microprocessor controlled.
- Control panel with 4 buttons and an alphanumeric display of liquid crystal glass
- Easy and intuitive operation of the control menu.
- Selectable pressure units : Newtons or Psi.
- Programmable pressure time.
- Easy operating and cleaning.
- Integrated angles support frame.
- Easy assembly / disassembly of the angles support frame to facilitate the cleaning of the blades guiding slots.
- Easy and quick assembly / disassembly of the cutting blades to facilitate their cleaning/substitution.
- Tape dispenser with two rolls for a fast application of the tape in both sides of the sample simultaneously.
- The IBP-5A samples preparation station is adaptable to any type of Bond Tester equipment.
- CE mark.



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## SPECIFICATIONS :

- Sample size : 5 samples of 1" x 1".
- Pressure : From 50 Psi to 200 Psi (200N to 900 N) in 1 PSI (1N) increments.
- Pressure programmable time : 0 to 99 s in 1 s increments.

## TEST DESCRIPTION :

Test specimens are cut with a dimension of 25,4 mm wide and 200 mm long. The test specimen is placed in the tape dispenser pulling the tapes from opposite end at the same time. This way, the "Sandwich" of paper and tape in both sides of the paper is prepared automatically. The test specimen is now placed in the blocks and the equipment must be closed. The 5 aluminium angles go directly over the test specimen. The pressure is settled in Newtons or Psi, time is also settled in seconds, and finally the number of cuts is selected depending on the paper thickness. Test button is pressed and the test cycle starts. The pressure application and cutting is done automatically. When finishing the test, the equipment is opened and the test specimens removed. Now the specimens are ready to be tested in the Scott Bond equipment.



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## CONNECTIONS :

Electric : 220/110V/ 1Amp./ 50/60Hz.

Air supply : 6 Bar.

### WEIGHT AND DIMENSIONS (ONLY EQUIPMENT):

410 x 390 x 410 mm (WxLxH) / 45 Kg

### WEIGHT AND DIMENSIONS WITH PACKING BOX :

590 x 590 x 620 mm (WxLxH) / 65 Kg

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