Internal Bond™ Sample Prep Station
Model 80-30

A consistent method of sample preparation is necessary to insure repeatable test data. The TMI Ibond prep station automatically presses and cuts test specimens to exact requirements providing significant improvements in testing precision. The 80-30 Sample Prep Station provides a consistent adhesive transfer when pressing the test specimen between the double-sided tape and aluminum platens.

Unlike other sample prep stations, the TMI Ibond prep station has a safety feature which automatically applies 690 kPa/100 PSI pressure and then cuts the individual test specimens. This safety feature eliminates the need to make a final cut of the individual test specimens with a box cutting knife after the specimen is pressed. The complete specimen cutting operation is automatic.

Included with the Sample Prep Station are five aluminum platens with a sample size of 25.4 x 25.4 mm (1.0 x 1.0 inch). The clamping pressure is automatically set and calibrated to comply with TAPPI T 569 and ISO 16260. During the pressing operation, a selectable dwell time can be set by the operator from 1 - 40 seconds. The factory setting is 3 seconds in accordance with TAPPI T 569 and ISO 16260. The system is designed with a reinforced anvil to prevent deflection during sample preparation.

Prep Station Specifications
- Dwell time: 1 to 4 seconds
- Selectable units: kPa and psi
- Sample Press Timer: user adjustable 1-40 seconds
- 5 Aluminum platens: sample size of 25.4 x 25.4 mm (1.0 x 1.0 inches)
- Sample thickness range: up to 1.25 mm (0.050 inches)
- Clamping pressure control: 690 kPa (100 psi) +/- 20.7 kPa (3 psi)
- Selectable samples cuts: 1-50 times
- Air requirements: 283-682 kPa (80 – 125 psi) Filtered/Dry Air
- Dimensions: H 49.3 cm x W 32.3 cm x D 35.5 cm (H 19.4 in. W 12.7 in. D 14.0 in.)
- Weight: 22.7 kg (50 lb.)
- Power requirements: 80-264 VAC, 47-63Hz

Spare Parts

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>80-01-01-006</td>
<td>Sample Angle</td>
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<tr>
<td>80-01-01-094</td>
<td>Sample Anvil</td>
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<tr>
<td>80-01-01-092</td>
<td>Replacement Blades (6 per station)</td>
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<tr>
<td>400-193</td>
<td>3M #400 1 in. Double-Sided Tape</td>
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</tbody>
</table>

Industry Standards
TAPPI T 569
ISO 16260