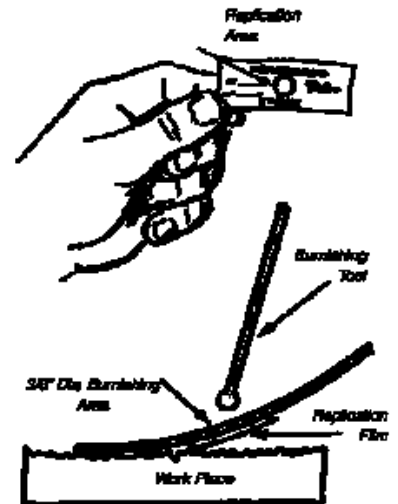


## 1 PRODUCT DESCRIPTION

Special tape for measuring blast surface profiles. By placing the tape on the surface and rubbing over it, the Rt (total roughness) can be taken and then measured with a film thickness meter.

## 2 PERFORM A MEASUREMENT

1. Locate a representative site for measurement.
2. Turn the gauge on (ON/OFF -5-).
3. Choose the appropriate parameter (mm/inch -9-).
4. Zero (-6-)the gauge
5. Pull a single piece of adhesive-backed printed paper free of the release paper. The Press-O-Film is the 0.4 inch (1 cm) square white plastic film at the center of the adhesive-backed paper. A circle of paper should remain on the release paper.
6. Apply film to surface to be measured. The adhesive-backed paper will hold it firmly in place.
7. Rub burnishing tool over the round cut-out portion of replica tape, using moderate to firm pressure. Use the smoothest surface on the rubbing tool. A firm pressure is desirable, with either circular, or x- and y-direction, rubbing motions. Compress all parts of the film but be careful not to slide the film with respect to the surface by bumping the edges of the circular paper cutout. When surface is replicated the replica tape will become darker. Make sure that the entire circular area has uniformly darkened.
8. Remove replica and place it (by gently pressuring the lever -8-) centered between anvils(-2-, -3-). Place the anvil, by gently pressuring the lever (-8-), on the Press-O-Film. Subtract 2 mills or 0,05 mm or 50  $\mu$ m) from the gage reading (the thickness of the incompressible substrate). The resulting number is the average peak-to-valley height of the blasted surface (Rave).
9. Confirm that reading is well within the tape's recommended range. Tape is most accurate in mid-range region. If the measured profile is near the upper or lower end of the tape's range, confirm your reading with a grade more appropriate to the observed profile. By slightly shifting the replicatape (with anvils released) you can make verification measurements.



### 3 DISCLAIMER

The information given in this manual is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this manual without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this manual or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this manual is liable to modification from time to time in the light of experience and our policy of continuous product development.