

Measuring Contaminants on Metals with Dyne Test Fluids



We have many customers who use our [Dyne Test Fluids](#) to

test metal products for surface cleanliness and evaluating the characteristics of their products. The surface energy of metals is much higher than that of most surface contaminants thus, the higher the Dyne level or surface energy (mN/m) also the cleaner the part is.

Dyne Testing Ltd supply a complete range of Dyne Test Inks to measure the surface energy in various kits holding up to 12 bottles or as individual bottles. The surface energy test fluids are easy to use and have immediate results (within 3 seconds). The test inks come in 20ml bottles and have an expected lifetime of 12 months.

To use the test fluids simply apply the Dyne test fluid to the material surface, the liquid will either form a continuous film on the surface or draw back into droplets. If the Dyne test ink remains as a film for 3 seconds or more then the material will have a minimum surface energy (Dyne level) in mN/m of that fluid value. Should the Dyne test liquid draw back into droplets in under 1 second then the surface

Measuring Contaminants on Metals with Dyne Test Fluids

energy (Dyne level) of the substrate is lower than that of the liquid value. The exact surface energy (Dyne level) can be determined by applying a range of increasing or decreasing values of Dyne test fluids.

For further information on the range of Dyne Test Fluids we offer please [click here](#) or call our Sales Team on +44 (0)1543 411460.

Supplied by:

intertronics

INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e info@intertronics.co.uk

Last updated: June 2024

Statements, technical information and recommendations contained herein are based on tests we believe to be reliable but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith.