

Compression test

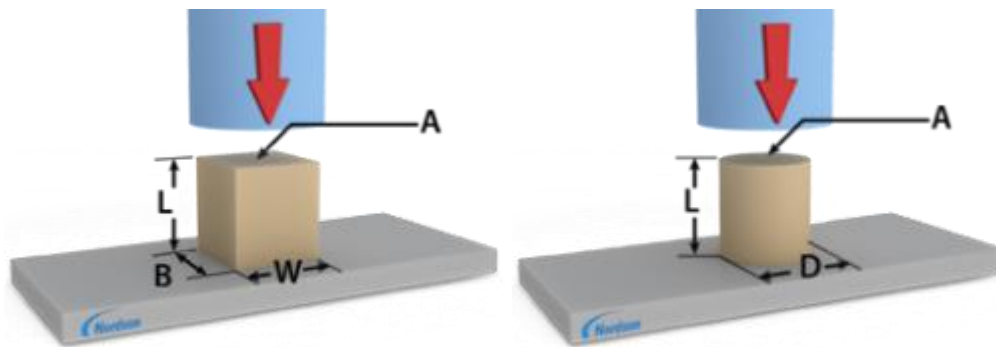
The Nordson DAGE 4000Plus micro materials test system has a wide range of tooling that permits compression loads to be applied to small samples that are also often difficult to grip.

Nordson DAGE testers can perform cyclical loading programmes for long term lifetime testing. Forces that can be applied from less than 0.01 N up to 100 kg. At low loads, compliant load cells can be used for better control of loading rate, making it possible to perform non-destructive tests on very small and stiff samples.

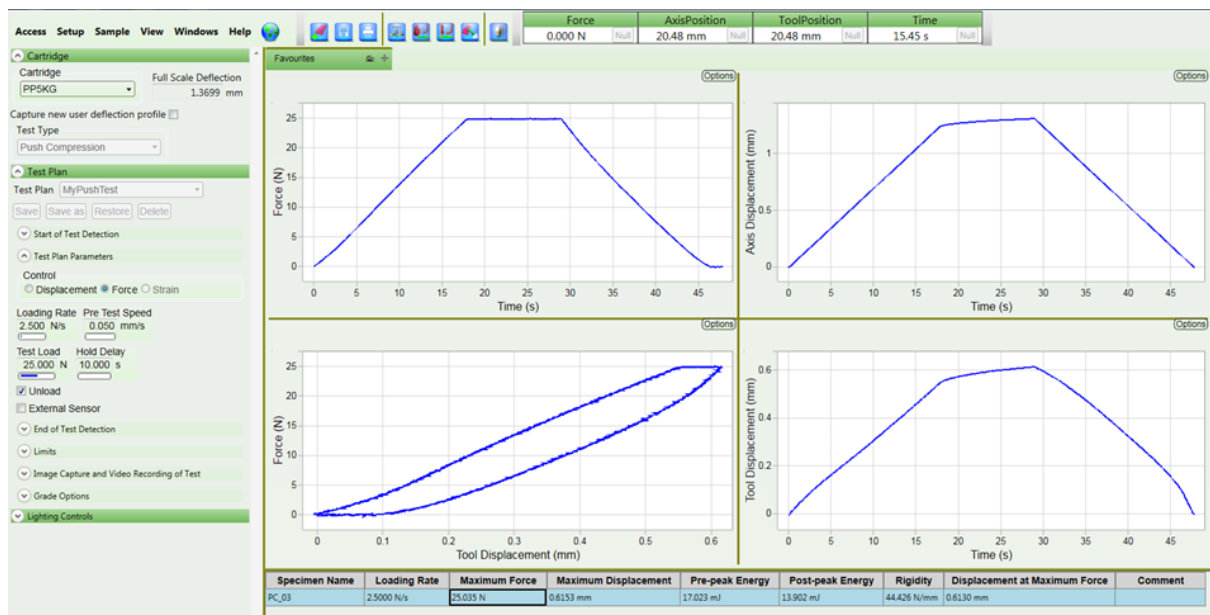
Typical Applications

- Socket Insertion Force
- Plug Shear
- Small coil spring testing
- Button/Key Resistance
- Micro switch testing
- Crush Strength

Sample dimension are entered directly into the software so accurate results for unique tests are obtained.



Data is recorded in realtime and displayed in live panel meters. Multiple cycles can be viewed and compared using our analysis viewer.



An example of a cyclical compression test on a compliant material is shown below.



Micro Compression Testing

<https://youtu.be/rXgTlrONM3I>