

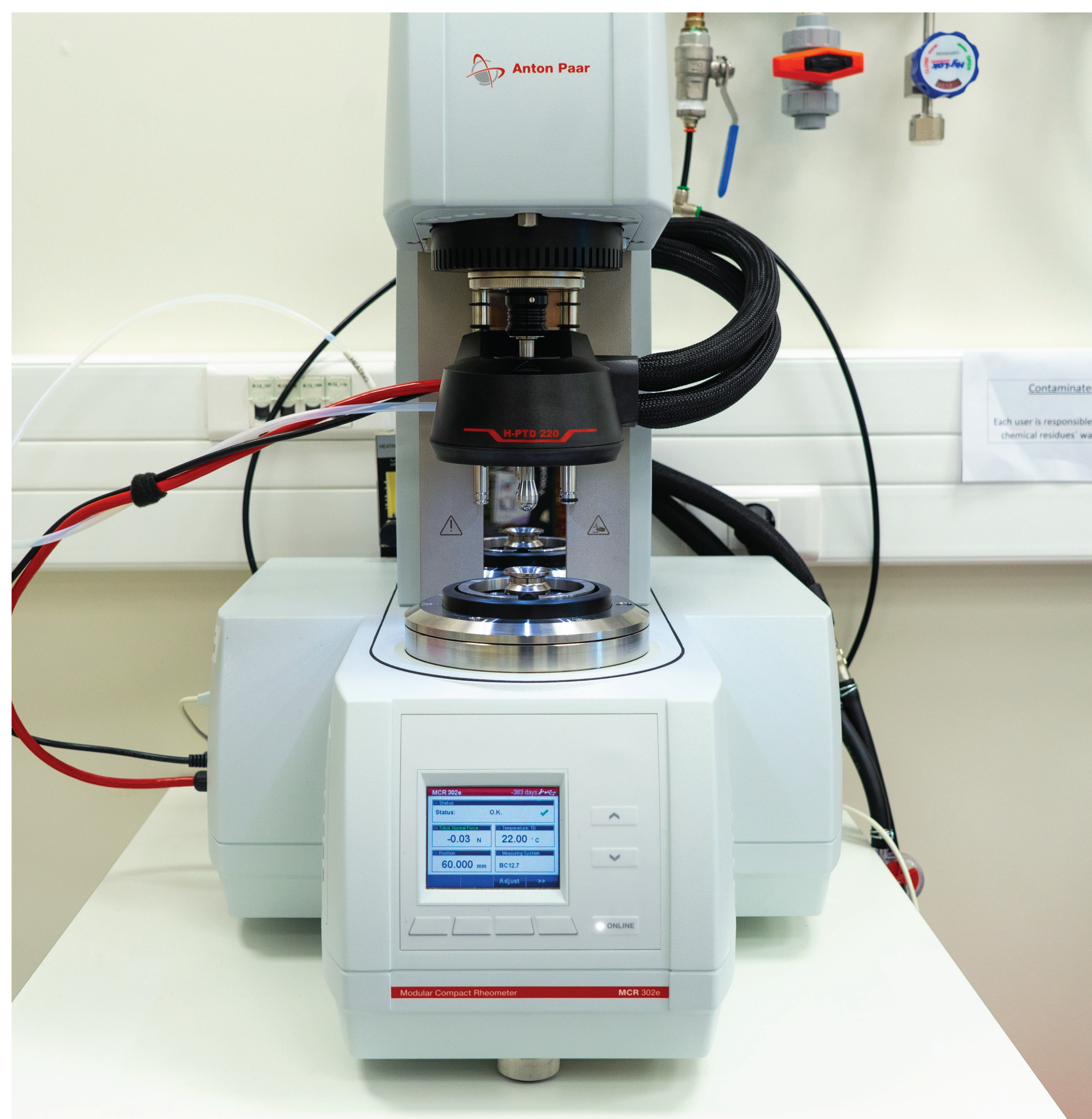
RHEOLOGY OF SOFT MATERIALS

Rheology for advanced Quality Control testing
and rheological research

The rheometer has a setup to suit different applications:

- investigations ranging from paints and coatings
- polymers
- food
- automotive liquids
- petrochemicals to building materials
- adhesives

We provide a wide range of analyses to support every stage from early R&D to manufacturing across diverse materials and industries. These tests effectively and accurately assess material responses to different forces and conditions, helping to model processes and applications your material might encounter.

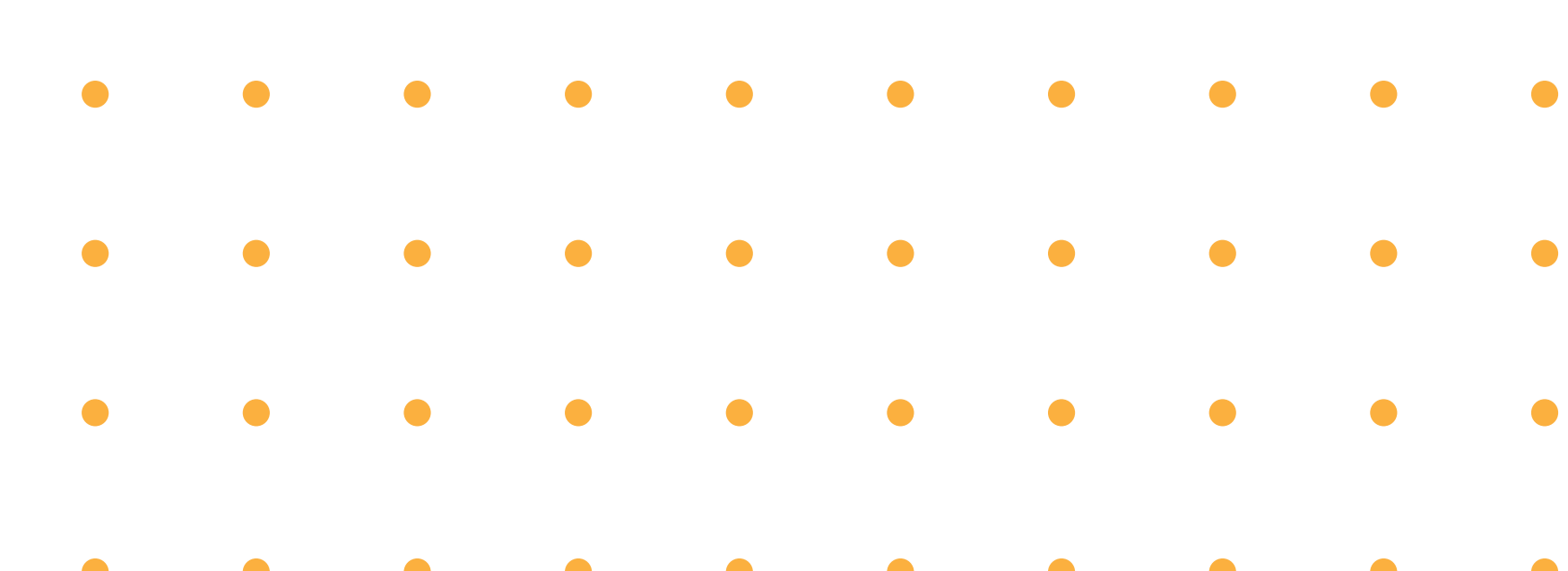


+ Features

Torque range from 0.5 nNm to 230 mNm
Active thermal management of motor and bearing
for long-term measurements even at high torques
Sample-adaptive controllers (TruStrain™, TruRate™)
Large space for sample handling
Exchange of accessories

+ Suggested applications

Low-viscosity liquids
Viscoelastic liquids
Melts
Paste-like materials
Gel-like materials
Soft solids
Reactive systems



RHEOLOGY TESTING SERVICES

What we deliver?

A draft report will be sent for review to then be considered finalised after 1 week with non-response and an invoice for payment will be submitted. If requested we will proceed with a follow-up discussion with the client to review results and address questions.

We also deliver a detailed report containing: summary of results and experimental details (e.g., tables, overlays plots etc.); Listing of primary results to highlight trends; Excel files of the raw data.

Commonly Requested Assays

Rotational

- Viscosity
- Yield Stress and Yield Viscosity
- Creep test
- Temperature Sweep
- Tribology (friction)

Oscillatory

- Viscosity
- Thixotropy
- Amplitude Sweep
- Frequency Sweep / Viscoelasticity
- Frequency over time
- Temperature Sweep

