



A Different Approach



- Benelux Scientific wants to be a leading distributor company for scientific instruments and lab equipment in Benelux.
- Our objective is to be the strong local partner for a limited number of manufactures that want to outsource their sales, service and support activities to a team of professionals.
- We offer complete solutions, technical support and after-sales assistance on the same level as a direct manufacturers' office.
- We want to focus on what we do best.



Benelux Scientific wants to be a true Benelux company with offices, demonstration facilities and support close to the customers in both Belgium and The Netherlands.

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For Benelux Scientific **after-sales support** is a top priority. A happy customer is the best advertisement.

Customer support programs:

- Maintenance contracts
- Service visits
- Calibration and certification
- Basic operator training
- Application support
- User meetings
- Workshops
- Technology Days



Benelux Scientific :: Home - Microsoft Internet Explorer provided by Inca Networks

http://www.benelux-scientific.be/

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U bevindt zich hier » Home



Thermische Analyse
Met thermische analyse worden veranderingen in gedrag van materialen geobserveerd die het gevolg zijn van het oplossen van een bepaald temperatuurprofiel. Chemische reacties, thermische transities, materiaalsterkte en dergelijke kunnen aldus bestudeerd worden.
[Lees meer...](#)



Mechanische Analyse
Mechanische testen worden uitgevoerd op diverse materialen om een objectieve karakterisering van hun eigenschappen te bekomen. Hierbij wordt een bepaalde vervorming opgelegd, waarbij de kracht om deze vervorming te bekomen wordt gemeten.
[Lees meer...](#)



Poeder- en oppervlaktekarakterisering
De porositeit en adsorptiegedrag van materialen bepalen in grote mate fysische parameters van deze materialen zoals de duurzaamheid, mechanische sterkte, permeabiliteit, diffusie-eigenschappen van o.a. gassen en vloeistoffen.
[Lees meer...](#)



Monstervoorbereiding en procescontrole
Maal- en snijmolen, brekers, enz. zijn nodig voor een perfecte monstervoorbereiding, deze bepalen in grote mate de kwaliteit van een goede meting. Ook petroleum-testapparatuur voor de kwaliteitsbepaling van brandstoffen hoort bij deze categorie.
[Lees meer...](#)



Electronenmicroscopie
PHENOMWORLD heeft met het tafelmodel "Phenom SEM" de electronenmicroscopie voor ieder lab bereikbaar gemaakt. Zijn eenvoudig in uitvoering, monstervoorbereiding, navigatiesysteem en wegschrijven van data gekoppeld aan andere bestuursfuncties maken van de Phenom de ideale

Download onze product-katalogoog (PDF - 3 MB)

10/02/2011: Info-namiddag mechanisch testen



Nieuwsbrief

- Juni 2010
- November 2009

Nieuws

- PRECISA eindejaarsactie 2010: tot 25% korting op alle laboratoriumbalansen
- Nieuwe distributie: Ramé-Hart Kontakttheekmeters
- 5-15 juli 2010: bustour FRITSCH vermalen en zeven

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Product lines

FRITSCH offers a comprehensive range of the most modern **mills and crushers for pulverization** prior to analysis as well as **sieving machines and laser diffraction particle sizers** to precisely determine the grain size.



TINIUS OLSEN (Horsham, PA, USA) is a leading manufacturer of **electromechanical and hydraulic material testing machines** for tensile and compression testing.

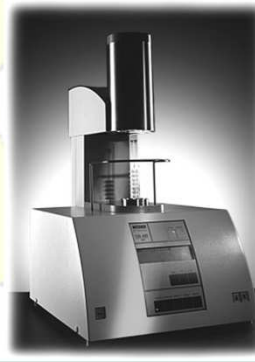
The company also develops a broad range of extensometers, thermal cabinets, grips and attachments and a complete range of polymer testing equipment.



The BOSE company manufactures high performance testing machines for **dynamic mechanical testing and fatigue measurement** in mechanical and biomechanical analysis. Based on the revolutionary BOSE linear motor and bio-dynamic technology a series of modular dynamic analyzers are now available for bio-mechanical applications, biomaterials testing and cell growth stimulation.



NETZSCH Gerätebau GmbH (Germany), a business-unit of the Netzsch-group, offers thermo-analytical instrumentation for the **thermal analysis and characterisation of raw materials and products** within the scope of research, development and quality assurance.



PHENOM is a high-resolution table top SEM developed by FEI and, one of the leading manufacturers of SEM and TEM microscopy.

- Results within 30 sec, or about 10 times faster than traditional SEM
- Magnification up to 24 000 times with superior image quality
- No special training needed. Touch-screen technology under Windows software
- Installed on a standard lab table and a 230V power connection



The Thermo Scientific **MICROSTRUCTURE** product line consists of a complete product range for the characterization of pore size, total pore volume, surface area and powder density.



CPS INSTRUMENTS (Stuart, FL, USA) manufactures **high resolution particle size analyzers** in the range of 3 nm up to 10 μm by differential ultracentrifugal sedimentation. This technique is already broadly used for submicron particle sizing in all industry branches. Recently applications on nanopowders and protein clusters and viruses have been developed.

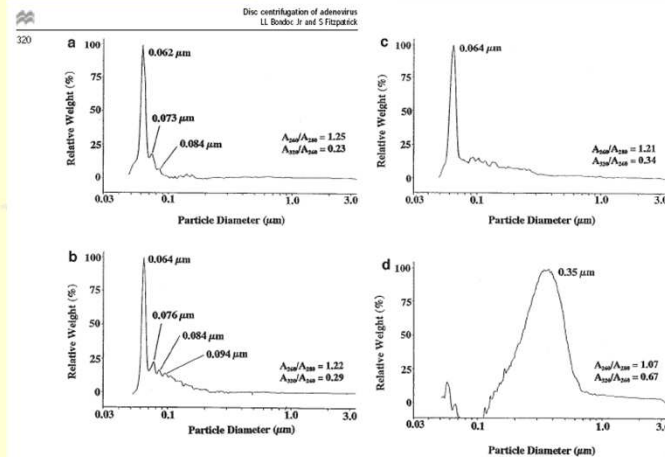
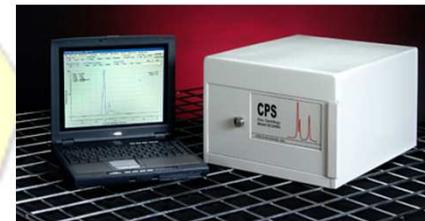


Figure 1 Particle size distribution for four recombinant adenovirus samples (a–d) with various scattering ratios. Representative samples were arbitrarily chosen to reflect differences in A_{200}/A_{300} and A_{200}/A_{300} ratios; differences were generated through prolonged storage at 4°C. Two hundred and fifty microliters of each sample were subjected to disc centrifugation analysis; the actual amount of virus loaded was similar for all samples (concentration of ca. $0.3 \cdot 10^{10}$ particles per ml or 0.01–0.03% (w/v)) based on particle number derived from absorbance information. Triplicate injections of the same sample yielded almost identical results. The indicated absorbance ratios were determined in the absence of SDS and were measured prior to subjecting the sample to disc centrifuge analysis. The distributions are represented as plots of relative weight % (100% corresponding to the major peak) vs apparent particle hydrodynamic diameter in μm as automatically calculated by the software.



COLLOIDAL DYNAMICS (Warwick, RI, USA) has a strong product offering for characterization of colloids. The Zetaprobe is an easy to use, accurate **zeta potential analyser**. Samples can be measured without dilution or sample preparation.

The Acoustosizer IIs provides thorough characterization of concentrated colloidal dispersions, directly measuring **particle size, zeta potential, pH, conductivity and temperature**.



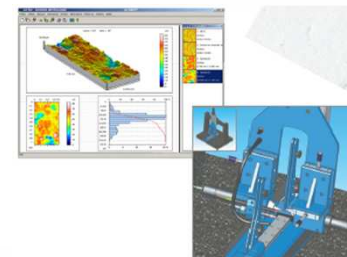
The Brightwell DPA 4100/4200 uses Micro Flow Imaging (MFI) to measure particle size distributions, particle concentration and morphology. The unique MFI technology allows to measure every particle that passes the detector. This makes it especially suitable for pharmaceutical and environmental applications, where precise concentration measurements, even on very diluted samples, are essential.





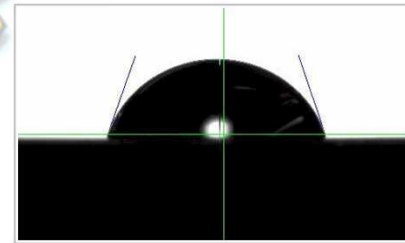
ALTIMET

The AltiSurf® 2D-3D surface metrology analyzer is optimized for the characterization and study of relationships between surfaces and coatings micro-roughness as well as the mechanical or the chemical elements used in their production process, and final performance or quality appreciated by the end user : aspect, behavior, wearing, porosity, adherence...





Since more than 45 years the US based company Ramé Hart manufactures instrument for the measurement of dynamic and static contact angles and the derived surface parameters.



Rheosense from San Remon in California have developed a revolutionary capillary viscometer/rheometer that allows measurements at extremely high shear rates, using samples as small as 50 μL .

Automatic flow curve generation and temperature control are also available.





Thank you for your attention!

Any questions?