



# HIGH TECH LABORATORY INSTRUMENTS

# BRS

A Beun-De Ronde Company



Balances - Moisture Content



Autoclaves Top & Front,  
30-1000 L



Dispersive Extraction,  
Microwave Synthesis,  
True Protein Analyser,  
Digestion, Ash, Moisture, Fat



Droplet Formation  
Microfluidics  
RNA Encapsulation



(In)organic Element Analysers  
C-S-O-N-H  
TOC Analysers  
N/ Protein Analysers



Evaporators- Freezedryers  
Biosafety Cabinets



Viscosimeters  
Tensiometers  
Thermostates  
Contact Angle Instruments



Multi-parameter AutoAnalysers  
BOD - COD



Smart Autoclaves  
Media preparators



Polarimeters  
Densimeters  
Refractometers



-86°C Ultralowfreezers  
Plant Growth Chambers  
Cooled Incubators



Supercritical Fluid Extractors



Batch Reactors Lab & Pilot  
Modular Flow Chemistry  
Reaction Calorimetry  
Nanoparticle Synthesis



Dissolution testing  
Diffusion testing  
Physical testing



Flash & Prep Chromato  
Fraction Collectors  
Syringe Pumps



Flow Synthesis  
High Temp Reactions  
Photochemistry  
Reactions with Gasses  
Hydrogen Generation



Element Analysers  
TS - TN - TX



Vacuum Pumps



NIR Analysers



## Organic Synthesis

Microwave Synthesis  
Discover 2, Mars 6, Liberty Blue

Batch Reactors  
Atlas: Automated Reactors  
Orb: Affordable Reactors  
Pilot Reactors  
Crystallisation  
Nanoparticle Synthesis  
Reaction Calorimetry  
H2 Generator

FlowChemistry  
H-Cube – PhotoCube - Phoenix  
Gas Module

Flash & Prep Chromatography  
SFC

Combiflash & ACCQPrep  
Detectors: UV-Vis, ELSD, MS  
RediSep Columns  
Fraction collectors

Droplet Formation, Encapsulation (ANP)  
Microfluidics

## Analysis & Sample Preparation

Microwave Digestion | Extraction

Dispersive Extraction

UV/VIS Spectrophotometers  
Polarimeters & Refractometers

Tensiometers  
Viscosimeters

Diffusion, dissolution and desintegration testing

Multi-parameter Auto-analysers  
BOD|COD Analysers  
TOC Analysers for liquids & solids

Supercritical Fluid Extraction

(In)Organic Analysers C-S-O-N-H  
DUMAS Analyser

## Process

Microwave (Sulphate) Ashing

Microwave Drying

Fat determination (NMR)

True Protein Analyser

Syringe + reciprocating pumps

NIR Analyser

Thermostatic circulators: Ultracool

## General Lab Equipment

Autoclaves

Balances

Green Freezers -86°C | -45°C

Ovens & Incubators

Plant Growth Chamber

Evaporators

Shakers

Freezedryers

Vacuum pumps