

Leverancier (contactpersoon)	Instrument	Benchtop (j/n)	Reflectron (j/n)	Massanaauwkeurigheid	Target type (Samples/target)	Laser type	Features (DE, PSD, etc.)	Software
Applied Biosystems (R.Poodt)	4800 Plus , MALDI-TOF/TOF; Proteomics Discovery System TM	nee	ja	<2 ppm (reflectron)	2x96, 100, 384, 400, 1536 well, membrane/gel, Weefsel target, hydrofobic masks, Opti-TOF;disposable and storable plates	Solid State 355 nm, 200 Hz OptiBeam On-Axis laser	DE TM , Accurate Timed-ion selection, Real MS/MS, High-resolution MS/MS, High sensitivity Detector, Unattended Automated High Throughput with RDA TM (Result Dependent Analysis), Oracle data management , GPS TM (Global Proteome Server), Diverse sample prep. robots	Windows 2000/XP, BioMarker Discovery, PTM analyses, Abs. en Rel. Quantificatie analyses, ProteinPilot, Markerview, RDA, Imaging MS, LC-MALDI, cIAT, iTRAQ, mTRAQ, SILAC, LIMS
Applied Biosystems (R.Poodt)	AB Sciex 5800 TOF/TOF TM system, MALDI-TOF/TOF; Proteomics Discovery System TM	nee	ja	<2 ppm (reflectron)	2x96, 100, 384, 400, 1536 well, membrane/gel, Weefsel target, hydrofobic masks, Opti-TOF;disposable and storable plates	Solid State 355 nm, 1 kHz OptiBeam On-Axis laser	DE TM , Accurate Timed-ion selection, Real MS/MS, High-resolution MS/MS, High sensitivity Detector, Self-Cleaning MALDI Source, DynamicExit TM Algorithm, EasyAccess TM Wizard, Unattended Automated High Throughput with RDA TM (Result Dependent Analysis), Oracle data management , GPS TM (Global Proteome Server), Diverse sample prep. robots, CovalX HM2 High Mass System	Windows 2000/XP, BioMarker Discovery, PTM analyses, Abs. en Rel. Quantificatie analyses, ProteinPilot, Markerview, RDA, TissueView Imaging MS, LC-MALDI, cIAT, iTRAQ, mTRAQ, SILAC, LIMS, SimGlycan TM , Sierra Analytics' Polymerix TM
Applied Biosystems (R.Poodt)	QSTAR Elite TM MALDI System for Proteomics; Quadrupole-time-of-flight hybrid	no	yes	< 5 ppm	MALDI-source, CIPHERGEN-source		MS-MS with high-resolution in MS2. With LINAC (PULSAR) TM collision cell. Differential expression studies, high automation; extendable with prep. Robot, SELDI-analysis, Opti-TOF	PROTEINPILOT met PARAGON, ANALYST QS (Windows2000/XP), With IDA (Information Dependent Acquisition). MarkerView
Bruker Daltonics BV (Patrick van Houts)	MALDI Biotyper	yes	no	< 75 ppm;	96 (or 24 big spots)	60Hz N ₂ laser	oil-free and whisper-level vacuum system for routine (medical) microbiology laboratories. Technically only regular 220V power connection is needed (no N ₂ !). Integrated barcode reader for sample and patient information input.	Fast and simple micro-organism identification/typing for routine (clinical) diagnostics. ISO 13485 certified (production of medical device). IVD-CE certified in several countries since april 2009, fast expanding. Integration with LIS and antibiotic susceptibility testing possible. Large library with simple expansion capabilities during microbiology outbreaks.

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Bruker Daltonics BV (Patrick van Houts)	microFLEX LT	yes	linear only 105 cm. positive & negative mode and patented gridless optics	< 75 ppm;	Target size exactly ¼ of industry standard microtiter plates • Various 96-spot targets available • AnchorChip™ technology	60Hz N ₂ laser	Gridless design of ion source with improved Pulsed Ion Extraction (PANoramic mass range). Ultrastable power supplies for TOF analyzer, detector and ion source. Compatible with Bruker Daltonics, sample preparation robotics. Patented AnchorChip™ technology for fast, automated data acquisition, increased sequence coverage and 10-100fold sensitivity increase. MALDI quantitation of small molecules.	Especially well integrated with Clinprotocols software for biomarker discovery, Genotools for DNA SNP genotyping and DNA QC applications plus an unique and innovative Biotyper module for identification of microorganisms is available (also available in routine clinical setup).
Bruker Daltonics BV (Patrick van Houts)	microFLEX LRF	yes	105 cm linear or 196 cm reflectron. Both with positive & negative mode and patented gridless optics	Linear: < 50 ppm; Reflectron: < 15 ppm; >15000 resolution	Target size exactly ¼ of industry standard microtiter plates • Various 96-spot targets available • Compatible with Bruker Daltonics, sample preparation robotics • AnchorChip™ technology	Nitrogen laser with up to 60 Hz repetition rate	<ul style="list-style-type: none"> • microScout™ Ion Source with state-of-the-art pulsed ion extraction (PANoramic mass range) • Optional MS/MS capability (PSD) Service features • Remote on-line service capability • Extended self diagnostics • Patented AnchorChip™ technology for fast, automated data acquisition, increased sequence coverage and 10-100fold sensitivity increase. MALDI quantitation of small molecules. 	<ul style="list-style-type: none"> • Fully integrated in the powerful Compass™ suite • Highly intuitive GUI for simple instrument and workflow control • Smooth data transfer to peripherals and library search engines • Optional Compass security pack for regulated environments • Powerful Compass™ software suite • Fully integrated in PROTEINEER™, CLINPROT™ and GENOLINK™ system solutions. Supplementary IQ, OQ-PV procedures available
Bruker Daltonics BV (Patrick van Houts)	MALDi molecular imager	no	reflectron and TOF/TOF optional, 120 cm linear or higher.	< 20 ppm;	microtitre plate format slide adapter for 2 glass slides with conductive coating to be used in MALDI imaging of tissue	200 Hz or 1000 Hz solid state (incl SMARTbeam) with software controlled spot sizes between 10 and 200 microns	imageprep robot for tissue preparation with <50 micrometer droplets and high spectral quality.	Windows-XP based Compass software, FlexControl & FlexAnalysis, Fleximaging (tissue imaging) as part of the clinprot solution package for Biomarker Analysis. ClassImaging multivariate statistics for classification of several images. Integration with Zeiss histology. Molecular histology.

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Bruker Daltonics BV (Patrick van Houts)	Autoflex III	no	120 cm linear or 215 cm reflectron. Both with positive & negative mode and patented gridless optics	Linear: < 20 ppm; Reflectron: < 5 ppm	microtitre plate format with 384 or 1536 positions, and Twister robot controlled automated handling of 20 plates. Anchorchips	200 Hz solid state (incl new SMARTbeam) with software controlled spot sizes between 10 and 200 microns	resolution >20,000 (reflectron) Gridless design, PAN, DE, PSD, ISD, CID, HIMAS detector, Anchorchips for improved sensitivity, Twister robot (automated analysis of up to 30,000 samples/day) Proteineer Spotpicker Robot, Proteineer Digest & Preparation Robot, Barcode reader, SPR(Biacore)-MS, (nano)LC-MALDI. Anchorchips for improved sensitivity. MALDI quantitation of small molecules	Windows-XP based Compass software, FlexControl & FlexAnalysis, Mascot/Profound/Phenyx database search, ProteinScape (data warehousing), Biotools (proteins), RapiDenovo (denovo sequencing), ClinProt (Clinical Proteomics), Genotools (SNP genotyping), Polytools(polymers), Fleximaging (tissue imaging), Biotyper (microorganisms)
Bruker Daltonics BV (Patrick van Houts)	Autoflex III TOF/TOF	no	120 cm linear or 215 cm reflectron.	Linear: < 20 ppm; Reflectron: <5 ppm	microtitre plate format with 384 or 1536 positions, and Twister robot controlled automated handling of 20 plates. Anchorchips	200 Hz solid state (incl new SMARTbeam) with software controlled spot sizes between 10 and 200 microns	same as Autoflex TOF, with LIFT TOF/TOF and CID MS/MS options. Both with positive & negative mode and patented gridless optics. Uncompromised linear performance. TOF performance uncompromised when TOF/TOF switched off. T3-sequencing of intact proteins possible, broad massrange resolution PAN. Patented disposable or nondisposable Anchorchips for improved sensitivity. MALDI quantitation of small molecules	Windows-XP based Compass software, FlexControl & FlexAnalysis, Mascot/Profound/Phenyx database search, ProteinScape (data warehousing), Biotools (proteins), WARP-LC (protein quantitation), RapiDenovo (denovo sequencing), ClinProt (Clinical Proteomics), Genotools (SNP genotyping), Polytools(polymers), Fleximaging (tissue imaging), Biotyper (microorganisms).
Bruker Daltonics BV (Patrick van Houts)	ultrafleXtreme TOF/TOF	no	320 cm reflectron. Both with positive & negative mode and patented gridless optics. Uncompromised linear performance	!! Sub-ppm mass accuracy!! Panoramic mass range calibration	microtitre plate format with 384 or 1536 positions, and Twister robot controlled automated handling of 20 plates. Anchorchips. Tissue imaging targets. TLC-inserts. LUCID targets.	1000 Hz smartbeam-II™ in MS and MS/MS mode	1 kHz data acquisition speed in MS and MS/MS mode; resolution > 40,000 FWHM in MS mode over a broad mass range, MALDI-Perpetual ion source with integrated self-cleaning procedure, FlashDetector™. Automatic push button T3-sequencing of intact proteins possible. Broad mass range resolution PAN. Gridless design, DE, TOF/TOF, ISD, CID, Anchorchips for improved sensitivity, Twister robot (automated analysis of up to 30,000 samples/day) Barcode reader, (nano)LC-MALDI	Windows-XP based Compass software, FlexControl & FlexAnalysis, Mascot/Profound/Phenyx database search, ProteinScape (data warehousing), Biotools (proteins), WARP-LC (protein quantitation), RapiDenovo (denovo sequencing), ClinProt (Clinical Proteomics), Genotools (SNP genotyping), Polytools(polymers), Fleximaging (tissue imaging), Biotyper (microorganisms). TLC-MALDI, Lucid proteomics (profiling).
MS Vision (M.S. Sons)	LaserTof2	j	n	<100 ppm RMS	strip (10)	UV 337 nm (N)	linear Maldi, pulsed extraction.	Automated sequence program for batch operation, report generator, database search of peptide map.
MS Vision (M.S. Sons)	LaserTof3	j	j (harmonic)	< 15 ppm RMS	strip (10)	UV 337 nm (N)	Pulsed extraction, PSD, neutral detector, pulsed gas collisioncell.	Full proteomics software

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MS Vision (M.S. Sons)	LaserTof RS	j	j (harmonic)	< 10 ppm RMS	96/384/1536/ciphergen plates	UV 337 nm (N)	PSD, optional collisioncell, 2-D sample stage, full imaging capability, pulsed extraction.	Full proteomics software and imaging software
MS Vision (M.S. Sons)	LaserTof TT (Maldi ToF-Tof)	n	j (ideal field reflectron)	< 5 ppm RMS	96/384/1536/ciphergen plates	UV 337 nm (N); YAG laser optional	MALDI-ToF-ToF, Attamole sensitivity, novel 'ZOOM' lens, full imaging capability, collision cell (CID), PSD, ideal field reflectron, full proteomics software. Longest commercially available flight path 5 m	Full proteomics software and imaging software
PerkinElmer Benelux	prOTOF 2000 MALDI O-TOF Mass Spectrometer	N	Y	< 5 ppm; Mass Range to 300,000 Da • Mass Resolution >12,000 from 300-5000 Da	Flexible sample delivery - accepts both reusable stainless steel and recommended single-use MALDIchip targets plates from 96 to 1536 wells; accept disposable sample plates; Capable of moving between samples in 150msec or less	high speed MALDI laser ion source; High repetition rate (up to 100Hz) extended life (better than 200 million pulses) laser for high sensitivity and sample throughput.	<ul style="list-style-type: none"> • Mass Stability: Better than 10ppm requiring no internal calibration • Long Term Mass Stability: Better than 10ppm over a 4 hour period • Sensitivity to sub femtomole detection with greater than 4 orders of magnitude in dynamic range • Orthogonal design TOF with Collisional Cooling • Dual Processor system controller for both instrument control and data analysis. 	TOFWorks software: Fully integrated software platform requiring only one application to be opened for complete acquisition and analysis of data. Discriminatory analysis of MS spectra performed by using PG600 Biomarker Discovery Software. PrOTOF and PG600 are part of PerkinElmer Biomarker Discovery Platform called BioXPRESSION.
Shimadzu Benelux info@shimadzu.nl	AXIMA-Resonance (Quadrupole Ion Trap-TOF)	nee	curved-field reflectron	<10 ppm met IC	96, 384 positities	337 nm N2 10Hz	Ion Trap, MS ⁿ , Variable CID control, precursor ion selection resolution >1000, mass resl >6000 Software for LC-Maldi, Imaging , PTM Finder	Launchpad , KOLA to access internet database Maldi -Solution QC-report, LC Maldi, Polymer-Maldi, Imaging
Shimadzu Benelux info@shimadzu.nl	Axima-Performance	nee	curved-field reflectron	<5 ppm met IC in MS mode	96, 384 positities	337 nm N2 50Hz	MS/MS, Mass range 1 - 500 kDa, Mass resolution > 20,000 Precursor ion selection resolution > 400	Launchpad , KOLA to access internet database Maldi -Solution QC-report, LC Maldi, Polymer analysis-Maldi, Imaging Oligonucleotide QC
Shimadzu Benelux info@shimadzu.nl	Axima-Confidence	nee	curved-field reflectron	<10 ppm met IC	96, 384 positities	337 nm N2 50Hz	Seamless PSD, Robotic Sample Processor, CID, Resolution>15,000, special adaptor for chip technolgie	Launchpad , KOLA to access internet database Maldi -Solution QC-report, LC Maldi, Polymer analysis -Maldi, Imaging Oligonucleotide QC
Shimadzu Benelux info@shimadzu.nl	Axima-Assurance	nee	Linier flight tube, 1,2m	<30 ppm met IC	96, 384 positities	337 nm N2 50Hz	Seamless PSD, Robotic SampleProcessor, Resolution>5000	Launchpad , KOLA to access internet database Maldi -Solution QC-report, LC Maldi, Polymer analysis-Maldi, Imaging Oligonucleotide QC

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Waters, Micromass technologies (Mike van Oosterhout).	Synapt, MS	nee	ja	<2ppm	96 of 384 positives, user definable plates, Microscope slides adaptor	200Hz Nd:YAG solid state laser, 355nm wavelength	Quadrupole resolution for MS-MS analysis,	MassLynx 4.1 (Windows XP of Windows Vista), MassLynx is CFR 21 part 11 compliant ready.; verschillende geïntegreerde koppelingen zoals naar :Rosetta, ACD, nugenesis, Maldi Imaging tools
Waters, Micromass technologies (Mike van Oosterhout).	Synapt, HDMS	nee	ja	<2ppm	96 of 384 positives, user definable plates, Microscope slides adaptor	200Hz Nd:YAG solid state laser, 355nm wavelength	Quadrupole resolution for MS-MS analysis, HDI-MS (Ionmobility)	MassLynx 4.1 (Windows XP of Windows Vista), MassLynx is CFR 21 part 11 compliant ready.; verschillende geïntegreerde koppelingen zoals naar :Rosetta, ACD, nugenesis, Maldi Imaging tools