Introducing the **PrinCE Next|850**

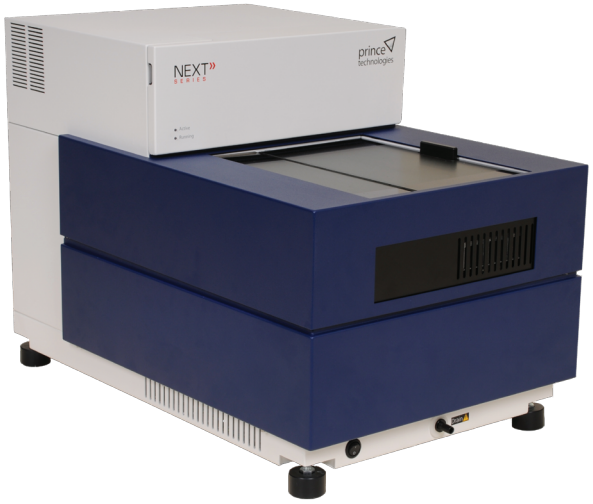
The PrinCE Next|850 is a flexible capillary electrophoresis system, comprised of an inlet- and outlet autosampler and configurable flexible external capillary outlet. The system is supplied with a PC, a start-up kit and pre-installed PrinCE Next Clarity software for data-acquisition and analyses. It is designed for easy, user-friendly operation with fast and reliable precision for routine analyses as well as method development.

Features

- User replaceable sample and buffer trays
- Pressure injection from 96 well plate
- Ultra short capillary length to external detectors
- Coupling to a wide selection of external detectors such as LIF, Conductivity and Mass Spectrometry
- High pressure up to 10bar by gas cylinder at one or both capillary ends
- Ability to perform fraction collection under precisely controlled circumstances
- Sufficient capillary compartment space for external remote detector cells, giving you a whole new range of research possibilities
- High performance capillary cooling with high air flow speed.
- Allows robotic arms to operate the unique designed sliding door as well as load and unload well plates for unattended operation
- Full temperature control of sample and buffer cooling during injection and analyses
- Broad range of accessories and consumables
- Regulatory compliance tools (optional)

PrinCE Next|850's analytical abilities allow you to perform both complex and routine analysis for environmental, forensic, pharmaceutical, food safety and life sciences and, let you separate, identify and quantify from the smallest ions to larger molecules.

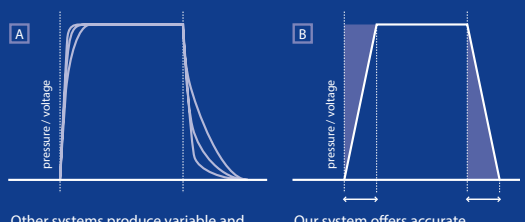
The after sales support offered by Prince Technologies is uniquely dedicated and as flexible as our technology itself.



Automated Sample Injection System
The most accurate and reliable injection unit on the market, based on our Dynamic Compression Injection (DCI) technology.

Whereas other systems suffer from variations in pressure and voltage during the injection process, our DCI system offers a precise, reliably controlled application environment.

The visible advantage (pressure/voltage over time):



Other systems produce variable and unpredictable voltage / pressure curves.

Our system offers accurate, reproducible precision every time.

NEXT SERIES

Leaders in Capillary Electrophoresis Technology

Technical Specifications PrinCE Next|850

Injection Modes	
Hydrodynamic	-230 to 300mbar, 1mbar resolution
Electrokinetic	-30 to +30kV
Modes	Current, voltage and/or power
PrinCE Next Dynamic Compression Pressure Injection system	
Flush range	0 to + 3500mbar, up to 10bar by external pressure on inlet or dual pressurisation
Repeatability of injected	< 1.0% RSD (n> 10, based on area response of injected analytes measured under electrophoretic conditions)
Autosampler	
Inlet Tray	Buffer: 50 positions. Sample: 50 positions or optional 96 well plate with 96 well plate adapter
Type of vials	300µl inserts, 2ml vials with resealing snap starburst caps. 96 well plate with foil.
Inlet Buffer Temperature range	17 – 40˚C
Sample Temperature range	4 – 55˚C
Outlet	20 positions
Capillary oven compartment	
Temperature range	4 – 60˚C
Capillary cassette	Flexible capillary length and diameter depending on application or configuration. Capillary O.D. 200 - 365µm.
PrinCE Next Clarity	
Diagnostic functions	Maintenance notification
Readouts	Pressure, Inlet Current, Outlet Electrode Current, Power, Voltage, Inlet Buffer Temperature, Sample Temperature, Capillary Temperature and others (simultaneously)
Features	Time programmable parameters within each step: Start time within the step. Pressure, Voltage, Current and/or Power ramping to setpoint, programmable relay outputs and programmable I/O's
Real time display	Inlet, Outlet, Pressure, Voltage, HVPS Current, Outlet Electrode Current, Power, Methods, Inlet Buffer Temperature, Sample Temperature and Capillary Temperature
Weight	40kg
Dimensions (W x H x D)	43 × 48 × 66cm
Line voltage	115/230V
Line frequency	50/60Hz

Ordering Information

Part No.	Model	Description
0005.530	PrinCE Next|850 (230V)	PrinCE Next CE with temperature controlled inlet autosampler 50/96* sample and 50 buffer positions, outlet autosampler 20 buffer positions, temperature controlled capillary compartment, HVPS, selectable external pressure (up to 10 bar), pre-installed PrinCE Next Clarity software, PC and a start-up kit
0005.535	PrinCE Next|850 (115V)	PrinCE Next CE with temperature controlled inlet autosampler 50/96* sample and 50 buffer positions, outlet autosampler 20 buffer positions, temperature controlled capillary compartment, HVPS, selectable external pressure (up to 10 bar), pre-installed PrinCE Next Clarity software, PC and a start-up kit

** Optional*

PO Box 2194, 7801 CD Emmen
The Netherlands

Tel: +31 (0)591 629184
Fax: +31 (0)591 628385

www.princetechnologies.com
sales@princetechnologies.com

oem@princetechnologies.com
info@princetechnologies.com

Introducing the **PrinCE Next|850**

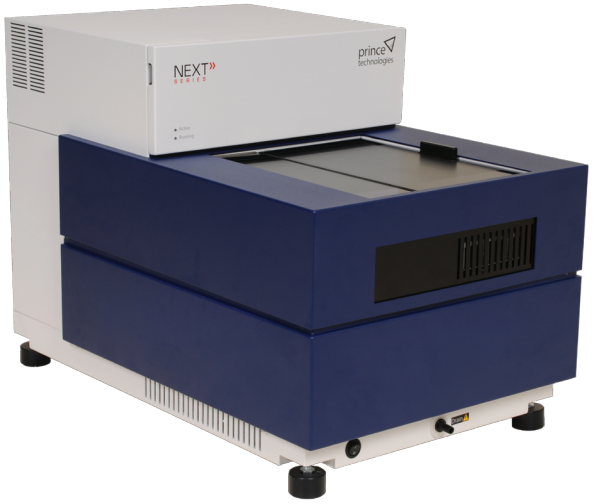
The PrinCE Next|850 is a flexible capillary electrophoresis system, comprised of an inlet- and outlet autosampler and configurable flexible external capillary outlet. The system is supplied with a PC, a start-up kit and pre-installed PrinCE Next Clarity software for data-acquisition and analyses. It is designed for easy, user-friendly operation with fast and reliable precision for routine analyses as well as method development.

Features

- User replaceable sample and buffer trays
- Pressure injection from 96 well plate
- Ultra short capillary length to external detectors
- Coupling to a wide selection of external detectors such as LIF, Conductivity and Mass Spectrometry
- High pressure up to 10bar by gas cylinder at one or both capillary ends
- Ability to perform fraction collection under precisely controlled circumstances
- Sufficient capillary compartment space for external remote detector cells, giving you a whole new range of research possibilities
- High performance capillary cooling with high air flow speed.
- Allows robotic arms to operate the unique designed sliding door as well as load and unload well plates for unattended operation
- Full temperature control of sample and buffer cooling during injection and analyses
- Broad range of accessories and consumables
- Regulatory compliance tools (optional)

PrinCE Next|850's analytical abilities allow you to perform both complex and routine analysis for environmental, forensic, pharmaceutical, food safety and life sciences and, let you separate, identify and quantify from the smallest ions to larger molecules.

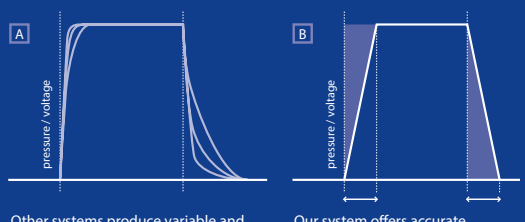
The after sales support offered by Prince Technologies is uniquely dedicated and as flexible as our technology itself.



Automated Sample Injection System
The most accurate and reliable injection unit on the market, based on our Dynamic Compression Injection (DCI) technology.

Whereas other systems suffer from variations in pressure and voltage during the injection process, our DCI system offers a precise, reliably controlled application environment.

The visible advantage (pressure/voltage over time):



Other systems produce variable and unpredictable voltage / pressure curves.

Our system offers accurate, reproducible precision every time.

NEXT SERIES

Leaders in Capillary Electrophoresis Technology

Technical Specifications PrinCE Next|850

Injection Modes	
Hydrodynamic	-230 to 300mbar, 1mbar resolution
Electrokinetic	-30 to +30kV
Modes	Current, voltage and/or power
PrinCE Next Dynamic Compression Pressure Injection system	
Flush range	0 to + 3500mbar, up to 10bar by external pressure on inlet or dual pressurisation
Repeatability of injected	< 1.0% RSD (n> 10, based on area response of injected analytes measured under electrophoretic conditions)
Autosampler	
Inlet Tray	Buffer: 50 positions. Sample: 50 positions or optional 96 well plate with 96 well plate adapter
Type of vials	300µl inserts, 2ml vials with resealing snap starburst caps. 96 well plate with foil.
Inlet Buffer Temperature range	17 – 40˚C
Sample Temperature range	4 – 55˚C
Outlet	20 positions
Capillary oven compartment	
Temperature range	4 – 60˚C
Capillary cassette	Flexible capillary length and diameter depending on application or configuration. Capillary O.D. 200 - 365µm.
PrinCE Next Clarity	
Diagnostic functions	Maintenance notification
Readouts	Pressure, Inlet Current, Outlet Electrode Current, Power, Voltage, Inlet Buffer Temperature, Sample Temperature, Capillary Temperature and others (simultaneously)
Features	Time programmable parameters within each step: Start time within the step. Pressure, Voltage, Current and/or Power ramping to setpoint, programmable relay outputs and programmable I/O's
Real time display	Inlet, Outlet, Pressure, Voltage, HVPS Current, Outlet Electrode Current, Power, Methods, Inlet Buffer Temperature, Sample Temperature and Capillary Temperature
Weight	40kg
Dimensions (W x H x D)	43 × 48 × 66cm
Line voltage	115/230V
Line frequency	50/60Hz

Ordering Information

Part No.	Model	Description
0005.531	PrinCE Next|850 (Clarity Advanced, 230V)	PrinCE Next CE with temperature controlled inlet autosampler 50/96* sample and 50 buffer positions, outlet autosampler 20 buffer positions, temperature controlled capillary compartment, HVPS, selectable external pressure (up to 10 bar), pre-installed PrinCE Next Clarity Advanced software, PC and a start-up kit
0005.536	PrinCE Next|850 (Clarity Advanced, 115V)	PrinCE Next CE with temperature controlled inlet autosampler 50/96* sample and 50 buffer positions, outlet autosampler 20 buffer positions, temperature controlled capillary compartment, HVPS, selectable external pressure (up to 10 bar), pre-installed PrinCE Next Clarity Advanced software, PC and a start-up kit

** Optional*

We reserve the right to alter the specifications of the instruments without prior notice.

PO Box 2194, 7801 CD Emmen
The Netherlands

Tel: +31 (0)591 629184
Fax: +31 (0)591 628385

www.princetechnologies.com
sales@princetechnologies.com

oem@princetechnologies.com
info@princetechnologies.com