



PRODUCT CATALOG >>

荣捷生物工程(苏州)有限公司
RJ BIOPROCESS (SUZHOU) CO., LTD

CONTENT INDEX



Smart Pump P3



Manual System P4



Manual Column P7



Auto Column P5

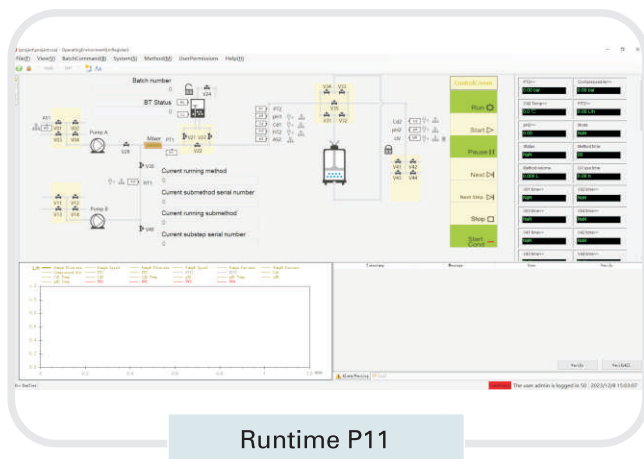


Packing Station P6

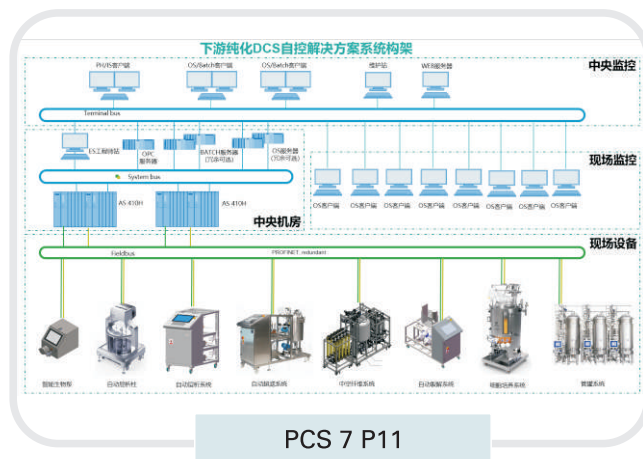


iBio[®] Automatic System P9-P10





Runtime P11



PCS 7 P11



Alkaline Lysis System P12



iCE280 P12



Lab Filtration P13



FIA P13



LNP P13

iBio® SMART PUMP



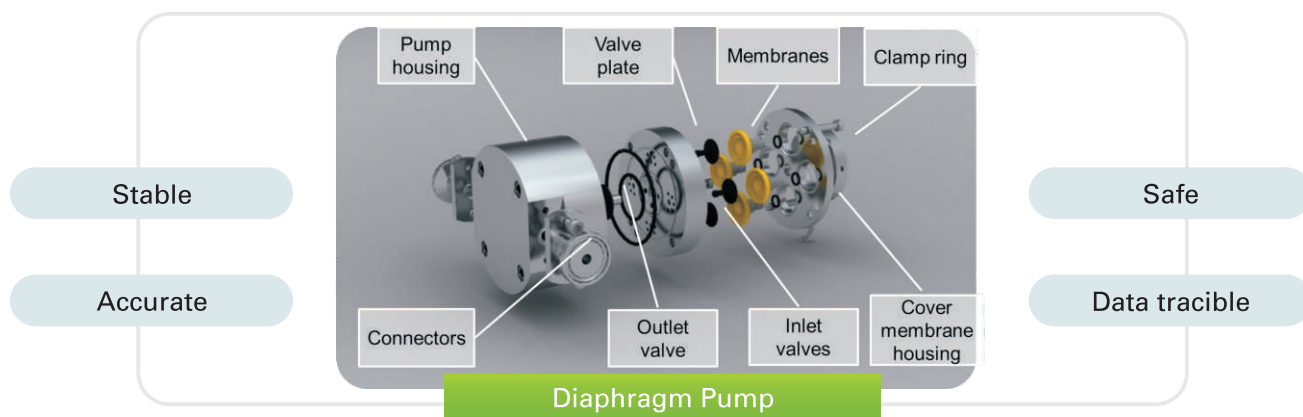
iBio® L
Liquid Transfer



iBio® I
Filtration



iBio® II
Chromatography



Pump Type	iBio® L	iBio® I-A	iBio® II-S
Control Panel	Siemens Transducer	Siemens S7-1200CPU	Siemens 377E
Display	Transducer Display	7 inch Touch Screen	12 inch Touch Screen
Pressure Sensor	-	1 standard, 2 more optional	1 standard, 2 more optional
UV, Cond, pH	-	-	Optional
Flowmeter	-	Optional	Optional
Software	Adjust Button	PLC Panel	iBio® II Software

Type	30	100	150	500	1200	4400
Flow Rate L/hr	0.5-30	3-100	5-150	30-600	60-1200	300-4000

MANUAL SYSTEM



Chromatography System

- Compact size
- Semi-automatic
- Runtime software control
- Data recording
- Run log tracible

1 pressure standard

2 pressure optional

More optional components:

pH

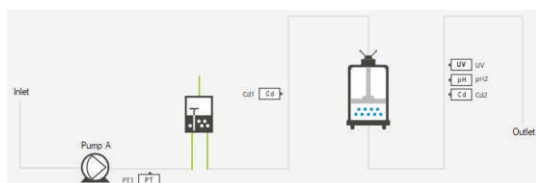
Cond

Flowmeter

UV Monitor, single or multi wavelength

Bubble trap

Manul inlet/outlet valve



Filtration System

- Small minimal running volume
- Small concentrated volume
- Software controlled
- TMP controllabile
- Data tracible

Ultrafiltration and Hollow Fiber
Filtration compatible

1 pressure standard

2 pressure optional

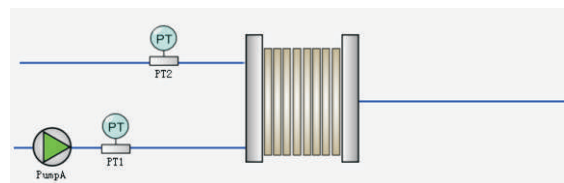
More optional components:

pH

Cond

Flowmeter

Valves



Type	30	60	100	150	600	1200	2500	4400
Flow Rate L/hr	1.5-30	3-60	6-100	8-180	30-600	50-1200	100-2500	300-5000

i-AXI AUTOMATIC CHROMATOGRAPHY COLUMN

Lifting motor,
for automation

Inflatable seal,
visible pressure

Multi-slurry valve, fast and
resin protection

Tilting design, degassing
and zero resin lost



Top adaptor, speed up to
500cm/h

Minimal dead volume
around seal

Slurry valve CIP ring

Slurry in/out port, lowest point
of the column for zero resin lost

ID Size(mm)

300

400

450

600

800

1000

1200

1400

1600

400



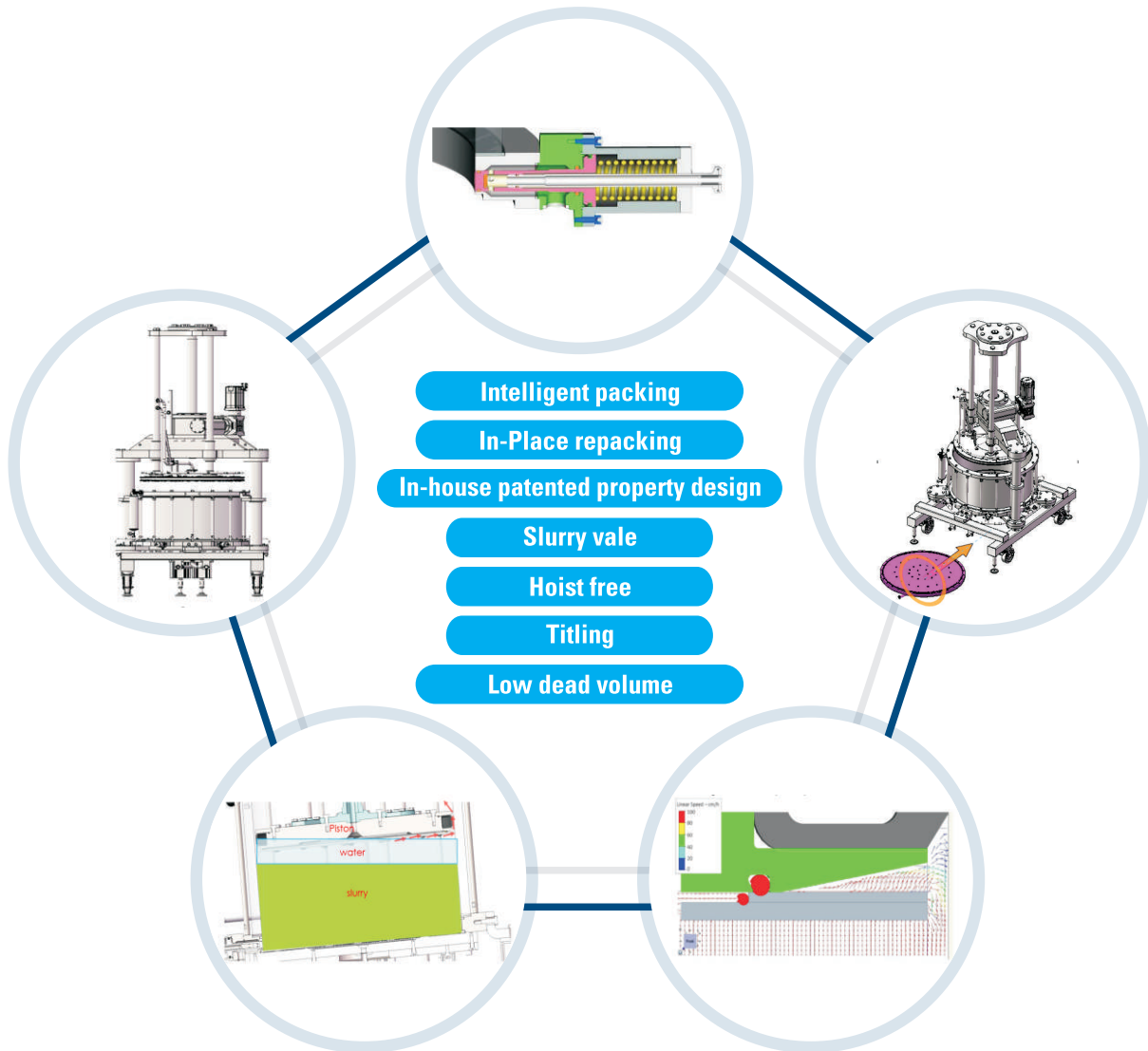
1600



600



800



PACKING STATION



LEVEL1
Wizard Module
HMI



LEVEL2
Upgraded Wizard
Industrial computer



LEVEL3
Auto programm
Industrial computer

EASY-AXI MANUAL CHROMATOGRAPHY COLUMN



Seal Tighten Rod

Adaptor Hand Rod

Pre-cut Schott glass tube with original logo

Easy maintenance bottom design

Wheel compatible for sanitization

L-connection outlet



Easy operation with two handle rod

Easy bottom hose connecting by L-tube

Easy maintenance design

- Bottom frit in-place replacement
- Build-in adaptor lift from 300mm ID

ID Size(mm)

50

70

100

140

200

300

450



STIRRING COLUMN

Batch mode

Slurry valve,
in an out

Plasma PCC
application

Clean in
place

CIP tube, two spray port

Degassing

Gas inlet

Manual window

Unpacking valve,
open for product
collection, close for
resin transfer in

Stirring motor,
clockwise/anticlockwise

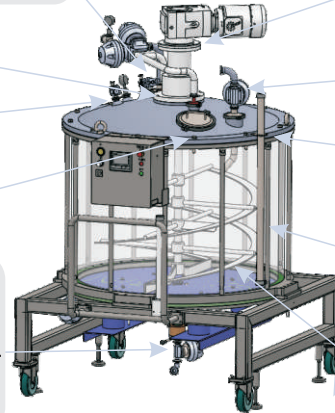
Product inlet

Maintenance eyebolt

Close tube design,
might use pressure for
operations

Low share force paddle

Wheels and stands



SLURRY TANK

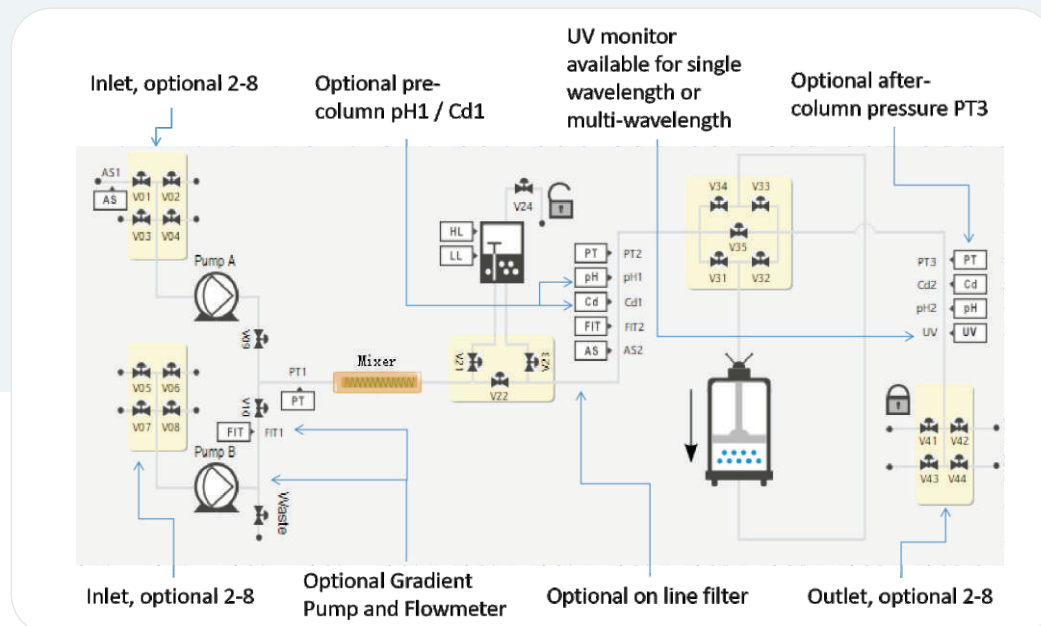
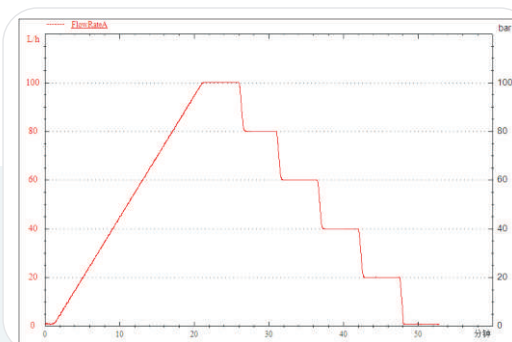
- ✦ Operation tracible
- ✦ 100L to 2000L
- ✦ Low share force
- ✦ Weighting unit in place
- ✦ Bottom sample port
- ✦ Clean in place



iBio[®] AUTOMATIC SYSTEM

- More than 10 years experience in the market. Proven reliable hardware and software
- Safe and reliable spare parts supply, secured lead time

CHROMATOGRAPHY SYSTEM



Type	30	60	100	150	600	1200	2500	4400
Flow Rate L/hr	1.5-30	3-60	6-100	8-180	30-600	50-1200	100-2500	300-5000

TFF System

- 01 Ultrafiltration
- 02 Diafiltration
- 03 Hollow Fiber Filtration



Dilution System

- 01 Recipe Dilution
- 02 PAT Dilution
- 03 URS Specific Design



Virus Filtration

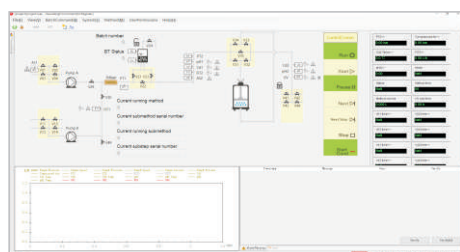
- 01 Consistent Flow
- 02 Consistent Pressure
- 03 Pre-filter Switch



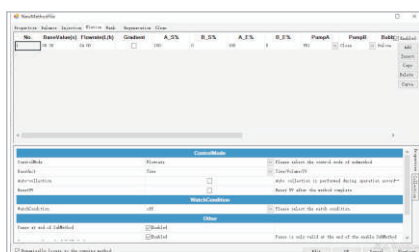
Type	180	800	1200	2500	5000
Flow Rate L/hr	18-180	80-800	120-1200	250-2500	500-5000

RUNTIME SOFTWARE

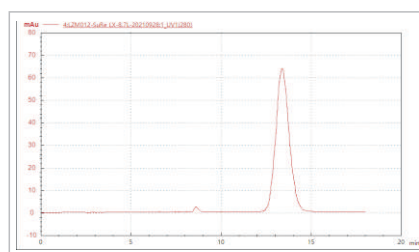
- More than 10 year in the market, proven reliable
- FDA 21 CFR part 11 compliance



System Control



Method Edit



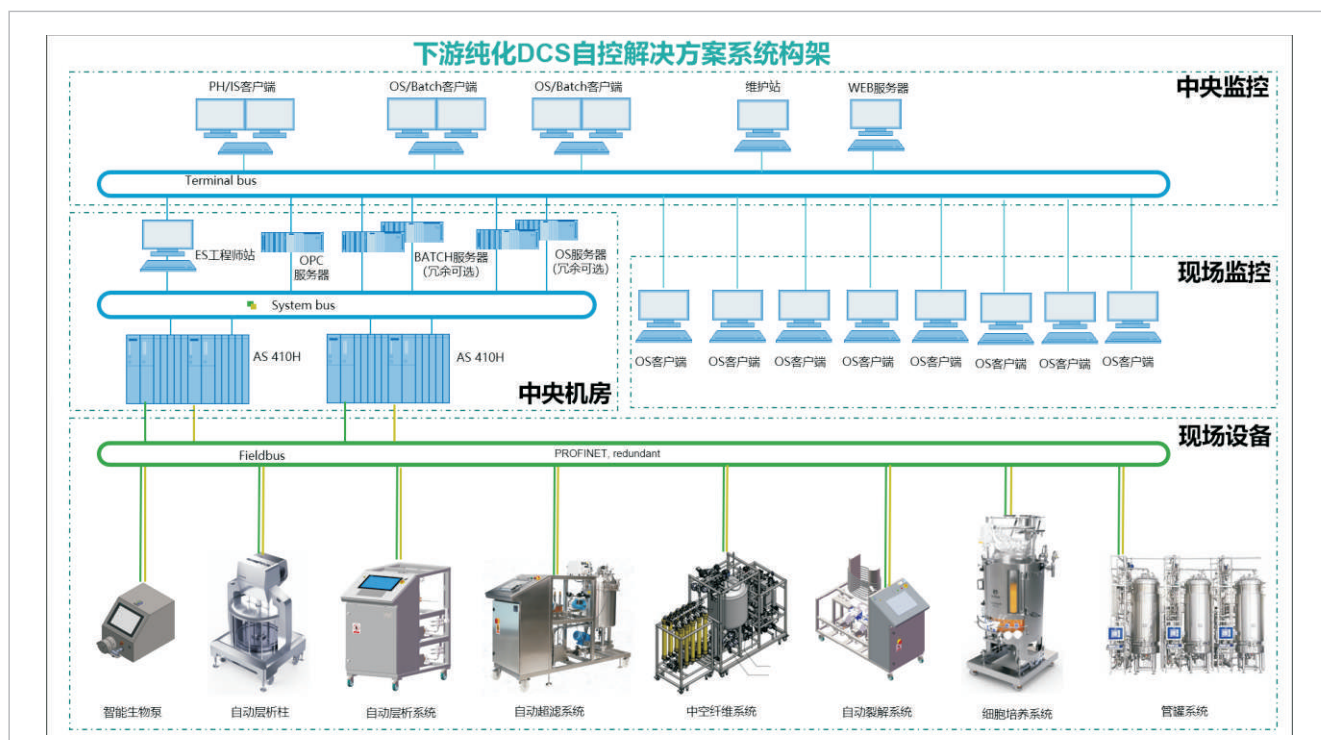
Evaluation

PCS 7 ARCHITECTURE

SIMATIC BATCH

Compliance with ANSI/ISA
S88, S95, S106 etc.,

Open to DCS, SCADA, MES,
ERP etc.



ALKALINE LYSIS SYSTEM

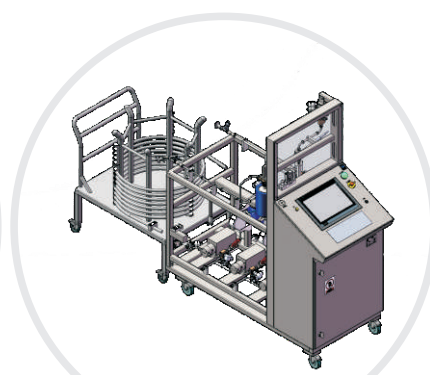
Two Steps Cell Lysis Process

Lysed by NaOH

Neutralize by HAC Buffer

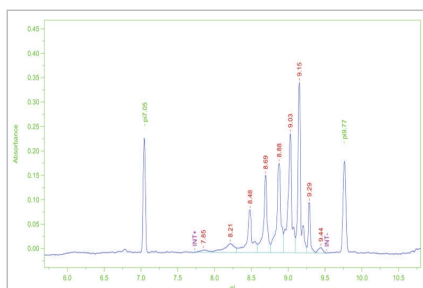
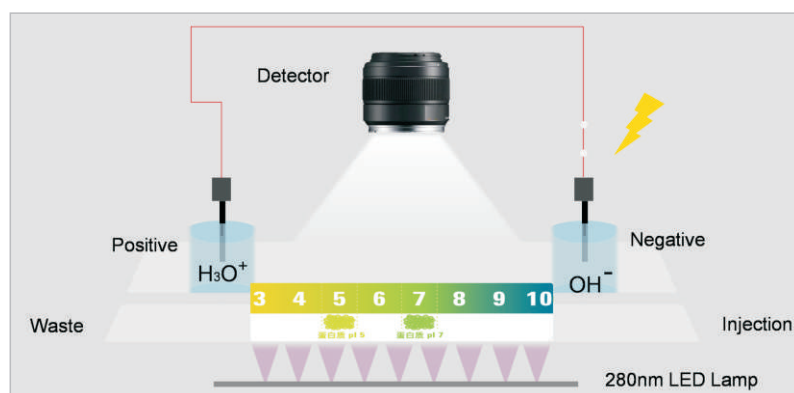


Lab System, 30L/hr

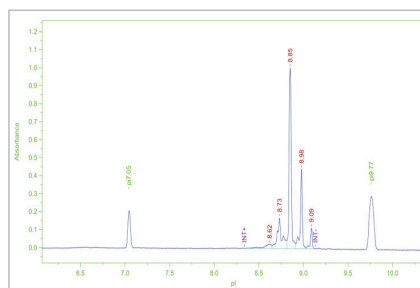


Process System 60, 150L/hr

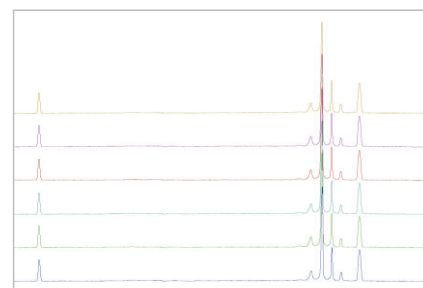
iCE280 IMAGED CAPILLARY ISOELECTRIC FOCUSING



ADC



Antibody



Quality Control

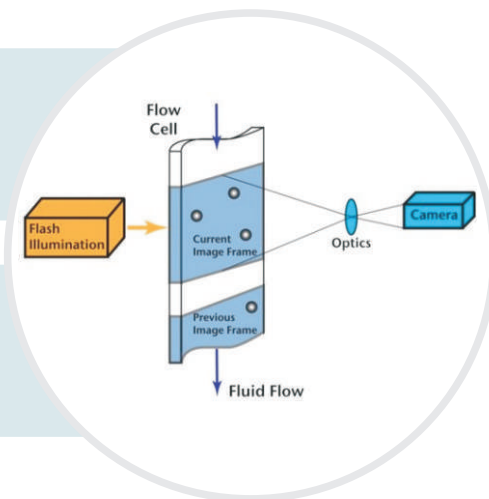
Lab Filtration (Desktop)

- 01 Ultrafiltration
- 02 Diafiltration
- 03 Hollow Fiber Filtration
- 04 Optional Peristaltic or Diaphragm Pump
- 05 Range up to 150L/hr



FIA, Flow Imaging Analysis

- 01 Particle counting, size distribution, image analysis
- 02 Silicon oil drop, protein aggregates, fiber, plastic, etc.



LNP, Lipid Nanoparticles

- 01 Patented Microfluidic Chips
- 02 Scalable Process
- 03 High Performance Result and Recovery



COMPANY PROFILE

Established in 2011, RJ Bioprocess (Suzhou) Co., Ltd is a well known high-tech enterprise located in Suzhou Industrial park, with a factory area of nearly 5000m² and sales revenue close to 230 million RMB in 2022. We were selected as potential listed in stock enterprise and list as Specialized and Sophisticated Enterprise for Novel and Unique Products, by JiangSu Province Government, in 2023.



RJBIO specializes in downstream purification equipment and analysis instruments for macro-molecular proteins, which are widely used in biomedical R&D and production enterprises of monoclonal antibodies, vaccines, blood products and recombinant proteins. Our products i-Axi automatic chromatography column iBio[®] smart bio-pump, automatic protein separation and purification system (chromatography, membrane filtration, online dilution, etc), iCE280 advance and FIA have reached the international first-class level of quality and performance, and have been exported to south Korea and India. Meanwhile, we also have sales and services offices in Shanghai, Beijing, Guangzhou, Chengdu, Wuhan, Changchun and other main cities of China. Our products are meeting requirements of GMP, CGMP and other applicable regulations.

RJ Bio 12-Years Development History

- 2010 → Automatic Chromatography System for Zhuhai United Laboratories Co., Insulin
- 2012 → iBio[®] Smart Pump for Zhuhai Livzon Co., Ltd, Mab
- 2013 → Automatic Ultrafiltration System
- 2014 → i-Axi Automatic Chromatography Column, 450
- 2015 → Online Dilution System
- 2016 → iCE280, Imaged Capillary Isoelectric Focusing
- 2020 → FIA, Flow Image Analysis
- 2021 → Alkaline Lysis System
- 2023 → LNP, Lipid Nano-Particles System

COMPANY DISTRIBUTION MAP



RJ Bioprocess (Suzhou) Co., Ltd

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📞 Tel: 0512-80912011
✉ Email: rjapac@rjbio.net

RJ Bioprocess (Guangzhou) Co., Ltd

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