

# Target group, and why RotaChrom is the right solution for them

- **Big Pharma companies' R&D departments**

**Problem we solve for them:** Unique solution for proof of concept validation and easy scale up in R&D on downstream molecule purification and processing. Our solution is one of the most sustainable on the market.

- **Small & Mid Pharma, small batch formulation's, analytical services, contract manufacturing**

**Problem we solve for them:** Very low processing cost can be achieved with our solution, great solution for early stage and clinical trial molecule purification.

With the flexibility provided by our solution speed and impact innovation can be multiplied with the smallest possible ecological footprint.

- **High growth biotech companies & Nutraceutical companies, food supplement producers and innovators (colorants, flavors, fragrances, substance conditioning)**

**Problem we solve for them:** Our solution can help these companies in their scaling efforts, with stable output and achieving low processing cost and higher throughput than market average combined with minimized process waste.



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# Target group, and why RotaChrom is the right solution for them

- CBD oil producers

**Problems we solve for them:** Our company has great experience in CBD oil production, major and minor cannabinoid isolation, purification and THC remediation.

We have experience and knowledge how best to set-up operations, from seed to shelf. We can help attracting financing and share best practice on all steps of the process.

Our knowledge covers factory design, technology design and implementation, recipes and all relevant fields.

Our equipment sets the industry standard in multiple countries on production of CBD oils and cannabinoids.



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# Typical titles we had success with

- Head of R&D, Lab manager
- Lead chemist
- Site manager & Operations Leader
- Chief Medical and Scientific Officer
- Director of Clinical Development
- Chief Innovation Officer
- Project and Finance lead of new production site building project (head of projects, PMO, etc.)
- Investor of a new production site (any of the sites producing goods for companies mentioned on previous 2 slides)
- Director of New Business



# Go-to market approach, collaboration possibilities

- We are seeking for end-users detailed on previous 3 slides
- We are open for joint ventures with investors on these fields
- We are seeking for potential Distributors, who typically have relevant network and experience in building such factories, or at least experience in selling and servicing lab equipment
- We are seeking for potential Agents to whom we are ready to pay finders' fee in case they put us in contact with later Customers



# We are happy to answer your questions!

<https://rotachrom.com/>

For potential Customers: <https://rotachrom.com/contact/>



**Robert Byssz**

Chief Market Leader APAC EMEA LATAM

[robert.byssz@rotachrom.com](mailto:robert.byssz@rotachrom.com)

+36704379780



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# Thank You for Your Attention!

Any Questions?



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# RotaChrom Technologies

Industrial Scale Precision Separation

*By Centrifugal Partition Chromatography*

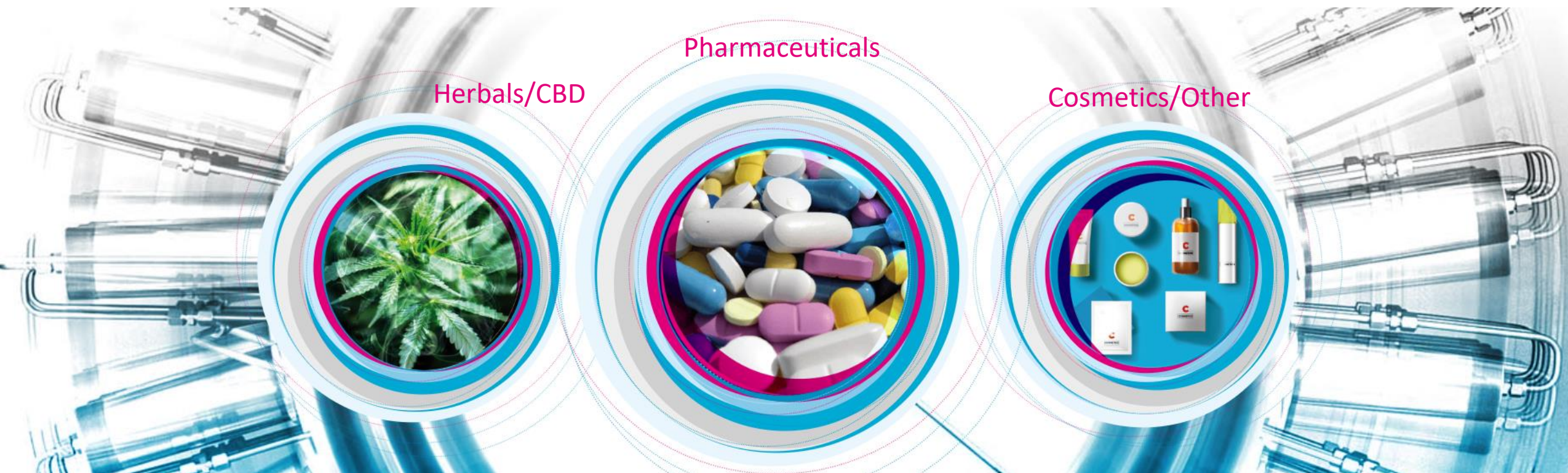


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# RotaChrom Technologies LLC

## Potential Markets



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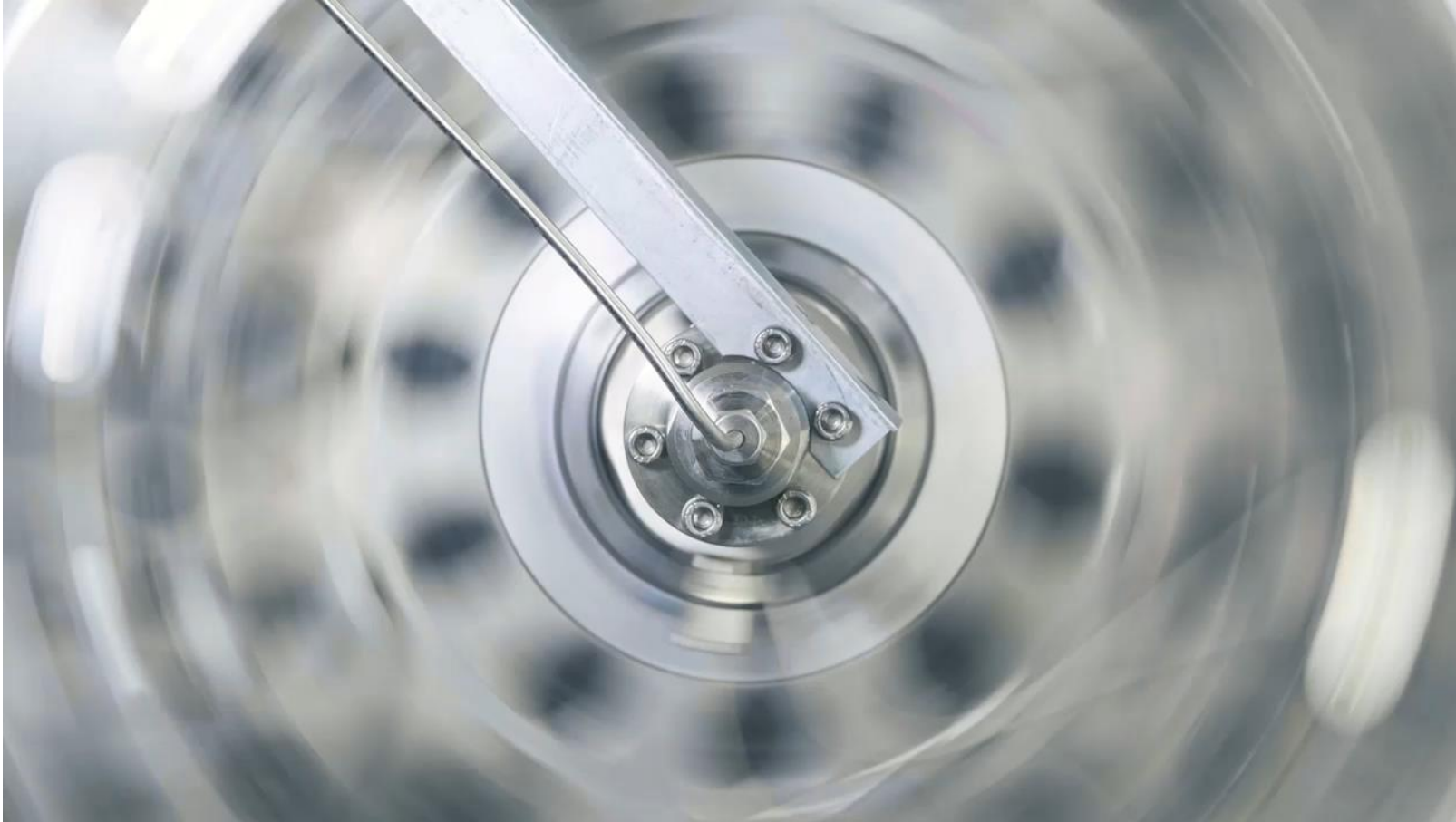
# Successful implementations around the World



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# What is CPC?



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Centrifugal Partition Chromatography  
from Laboratory to Industry  
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# What does RotaChrom offer?

## Technology & Service

- ✔ Precision separation at research and industrial scale
- ✔ Higher yield and purity
- ✔ The most cost efficient preparative chromatographic technique
- ✔ Feasibility study
- ✔ Method development and implementation
- ✔ Production-scale pilot study
- ✔ Factory design consultancy
- ✔ Maintenance service



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# Available Methods for Different Compounds

## ✓ Herb extracts

- ✓ API's
- ✓ CBD
- ✓ Omega3
- ✓ Pesticide removal
- ✓ Fragrance organic isomer

## ✓ Peptides

- ✓ VLP – Virus Like Particles
- ✓ mAB – Monoclonal Antibody purification



# RotaChrom equipments



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# Advantages of RotaChrom solution vs other technologies

FACTORS	Conventional HPLC	RotaChrom CPC
RECYCLABLE PHASE	Mobile phase	Both phases
SCALE-UP	Difficult and time-consuming	Easy and fast
ADAPTION	Limited	Almost unlimited adaption
YIELD	Decreased	Higher yield
INFRASTRUCTURE AND OPERATING COST	Expensive	Cost-effective, sustainable
STATIONARY PHASE	Expensive	Cost-efficient





# RotaChrom Products

rCPC for Research and Development



- Loading capacity: up to 50 g
- Nominal flow rate: 200 mL/min
- Capacity of purified material: up to 50 kg/month



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# RotaChrom Products

iCPC for Industrial Scale Purification



- Loading capacity: up to 1350 g
- Nominal flow rate: 2.5 L/min
- Capacity of purified material: up to 2500 kg/month
- Linear scale-up:  $10 \times$  rCPC



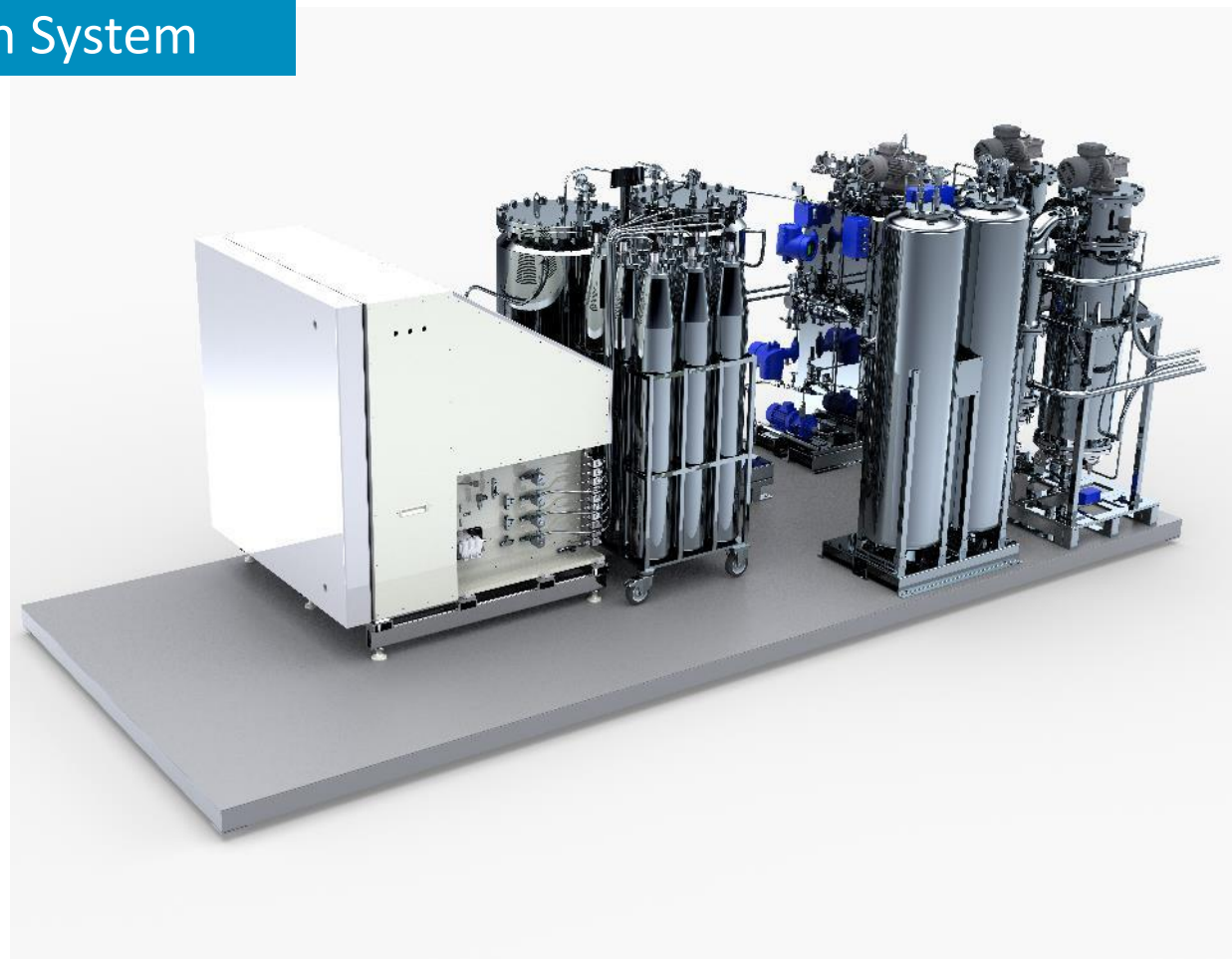
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# RotaChrom Products

## pCPC – Integrated Industrial Scale Purification System

- Loading capacity: up to 1350 g
- Nominal flow rate: 2.5 L/min
- Processing 1 to 3 kg of input material per hour
- Linear scale-up:  $10 \times$  rCPC
- Optimized solvent system preparation, recycling and recirculation
- Continuous batch production

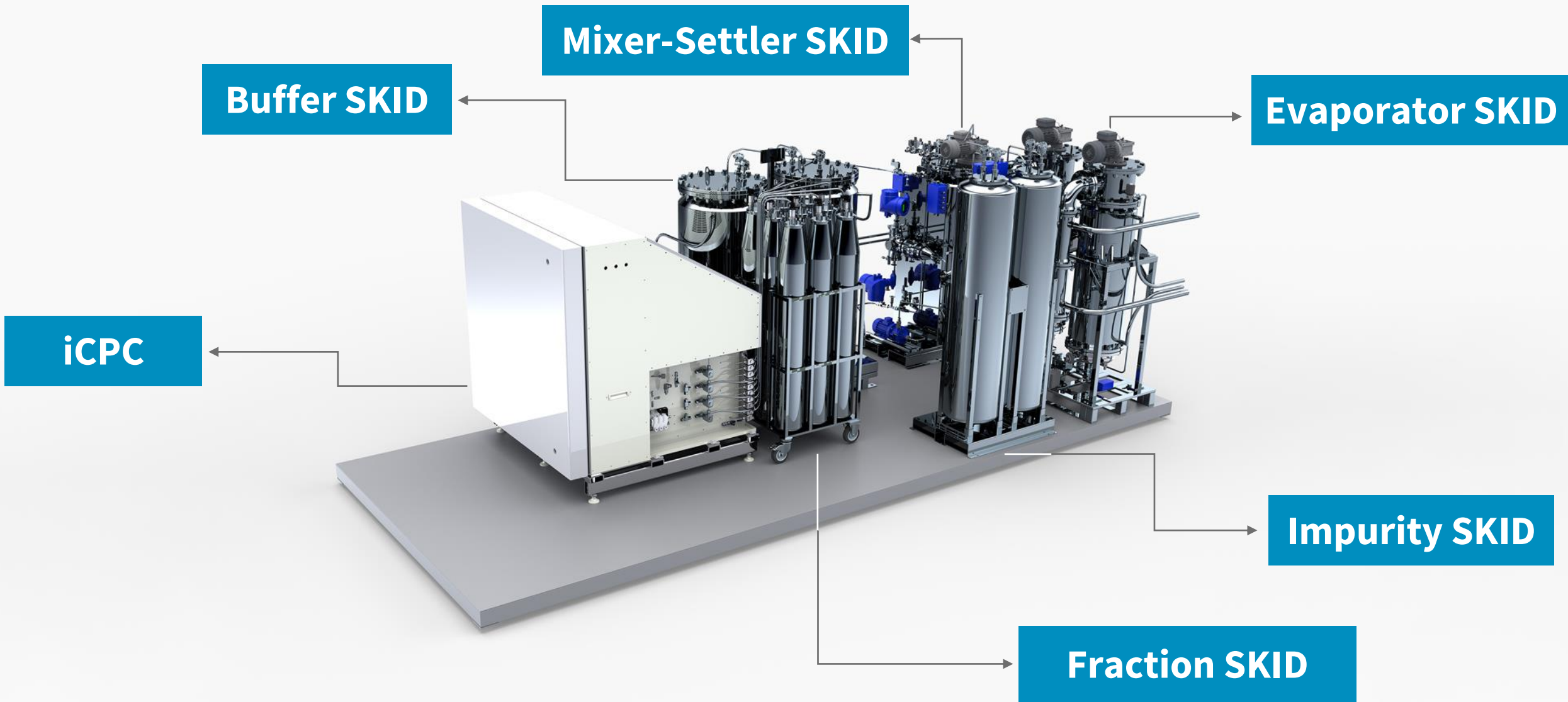


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# Purification by CPC - Conclusion

- ✔ Cost effective, Scalable and Versatile Chromatographic Technique
- ✔ Groundbreaking Isolation/Purification Applications
- ✔ First To Market—Largest CPC instruments in the World



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