

Welcome to Next-Gen UV-Vis spectroscopy

At Copenhagen Nanosystems, we are passionate about revolutionizing analysis of refractive index, micro-volume and nano- and microparticles. We make analysis accessible and affordable with our patented solutions.



NanoCuvette™ S
Affordable particle
testing unit

The Problem

The ever-growing presence of micro- and nanoparticles

In recent years, a new problem has emerged, the ever-growing presence of micro- and nanoparticles in our lives. Microplastics are in our drinking water, microparticles play a crucial role in the production of pharmaceuticals, and skin care **producers must take care to prevent nano-particles from being able to enter our cells.**

This is the reality we live in.

*You have to measure it
before you can fix it!*

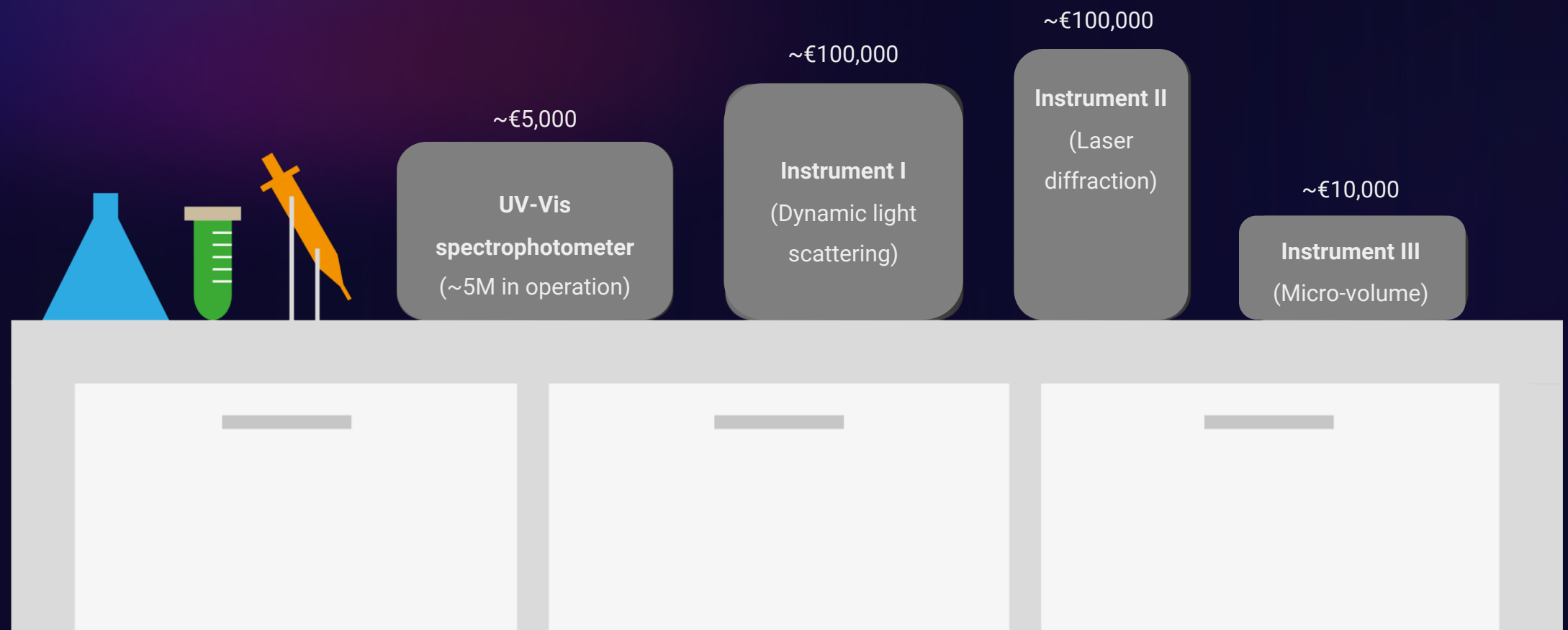


"Silver nanoparticles with sizes above 100 nanometers are almost harmless, while nanoparticles below 20 nanometers are very dangerous."



The Problem

Today lab analysis requires
a fleet of expensive instruments!



The Problem

Current solutions are too expensive!

Traditional particle size analyzers, such as DLS and Laser Diffraction, can cost upwards of €100,000 and takes months to purchase and install for trained personel.

Factors contributing to high costs:

- Technology requires dedicated instrument housing
- Advanced technology and precision manufacturing
- Proprietary software and maintenance agreements
- Limited competition in the market

Particle size analyzers



DLS - Dynamic Light Scattering



Laser Diffraction

INSTRUMENT MARKET PLAYERS

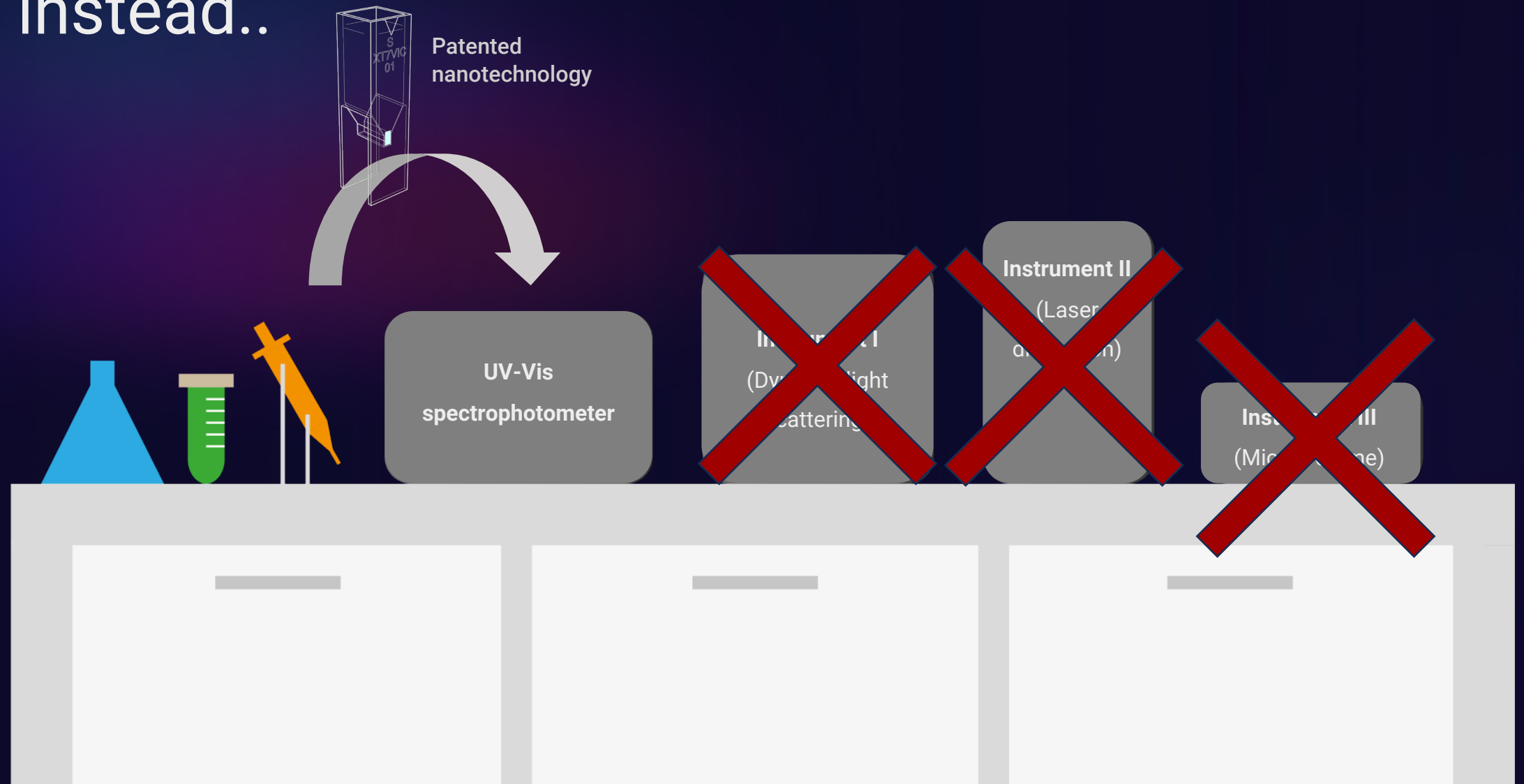
Anton Paar GmbH
Beckman Coulter, Inc.
Bettersize Instruments Ltd.
Brookhaven Instruments
Fritsch GmbH
Horiba
Malvern Panalytical Ltd.
Mettler Toledo
Microtrac MRB
Micromeritics Instrument Corporation
Shimadzu Corporation
Sympatec GmbH
TSI

Current solution:
~€100,000 upfront

Our solution?
Cutting costs using disposables instead of dedicated instruments.

The Idea

Upgrade consumable on affordable instrument instead..





Interested in learning more?
Check out our Knowledge Base!

Our Solution

Upgrading existing instrumentation with affordable nanotechnology

Our products offer a **comprehensive and efficient solution** to these challenges by shifting to existing entry-level UV-Vis spectrophotometers.

In addition, our patented NanoCuvette™ S gives better results, so **customers do not need to buy new instruments for particle analysis.**

Our solutions are **backed by rigorous testing** and demonstrated performance.



~€2 per
analysis

*"Perfect for low volume samples and
particle sizing."*



Jacek Fiutowski, PhD
Associate Professor
University of Southern Denmark (SDU)
Expert on nanotoxicity and returning customer

cphnano



Why NanoCuvette™ S Stands Out?

- **Ease of Use:**
No specialized training required.
- **Cost-Effectiveness:**
Dramatically reduces up-front testing costs by 99%.
- **Speed:**
Delivers rapid results, minimizing the time from sample to insight.
- **Precision:**
Utilizes advanced nanotechnology for accurate and reliable measurements.

EDUCATION, RESEARCH & INDUSTRY

Applications in many sectors and industries

The global micro and nanoparticle analysis market is **driven by increasing adoption and demand for more efficient technologies***.

Our products have the potential to disrupt a significant portion of this market due to their cost-effectiveness, efficiency and ease of use.

Please see our UV-Vis Knowledge Base for more information.

*Source: Nanoparticle Analysis Market 2023-2032 | Industry Size Report

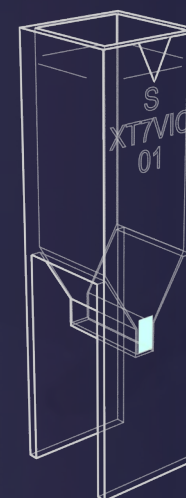
cphnano

BY INDUSTRY**

Chemicals & Petroleum
Mining, Minerals, & Cement
Food & Beverage
Healthcare Industry
Pharmaceuticals
Prosthetics Industry
Biopharmaceutical & Drug Discovery
Others (Inks, Paints, Toners, Cosmetics, Coatings, Environmental Analysis)

BY END-USER**

Pharmaceutical Companies
Biotechnology Companies
CROs (Clinical Research Organizations)
Referral Laboratories
Academic Institutions



**Source: Polaris Market Research

Driving Change with Nanotechnology, Smart connectivity and Cloud Computing

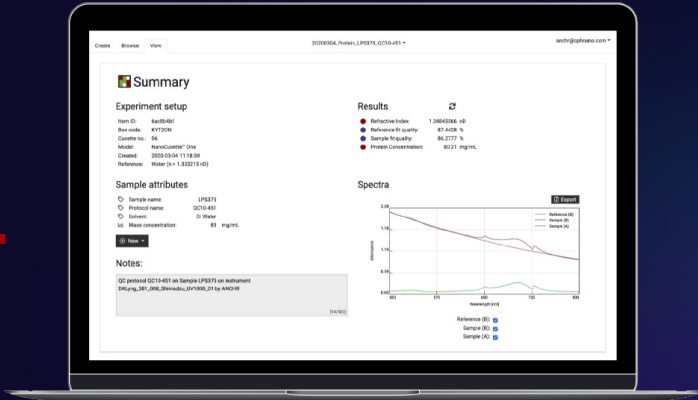
Our Particle Testing Platform



NanoCuvette™ S



SpectroLink™



SpectroWorks™



Driving Change with Nanotechnology, Smart connectivity and Cloud Computing

Our Particle Testing Platform

Nanotechnology unit:

List price incl. software
license, training and
support



~€2 per
analysis

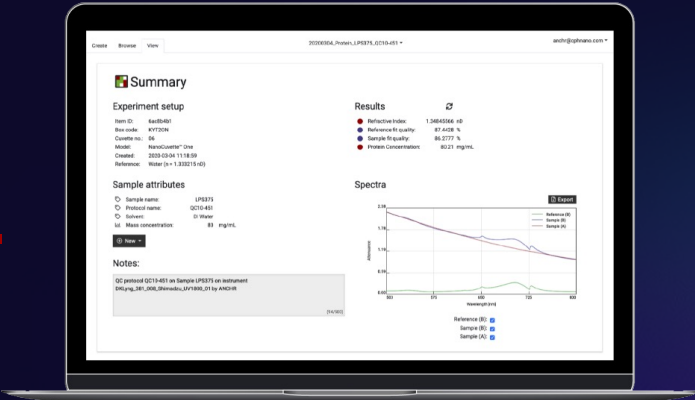
NanoCuvette™ S



Optional Smart
Connectivity:

List price incl. software
license, training and support

SpectroLink™



Cloud Computing:

Basic functionality included
in purchase of our other
products

SpectroWorks™

Services & Training:
In addition to our products, we
also offer a range of testing and
educational services.

Competitive Advantages – financials and results!

70 years.

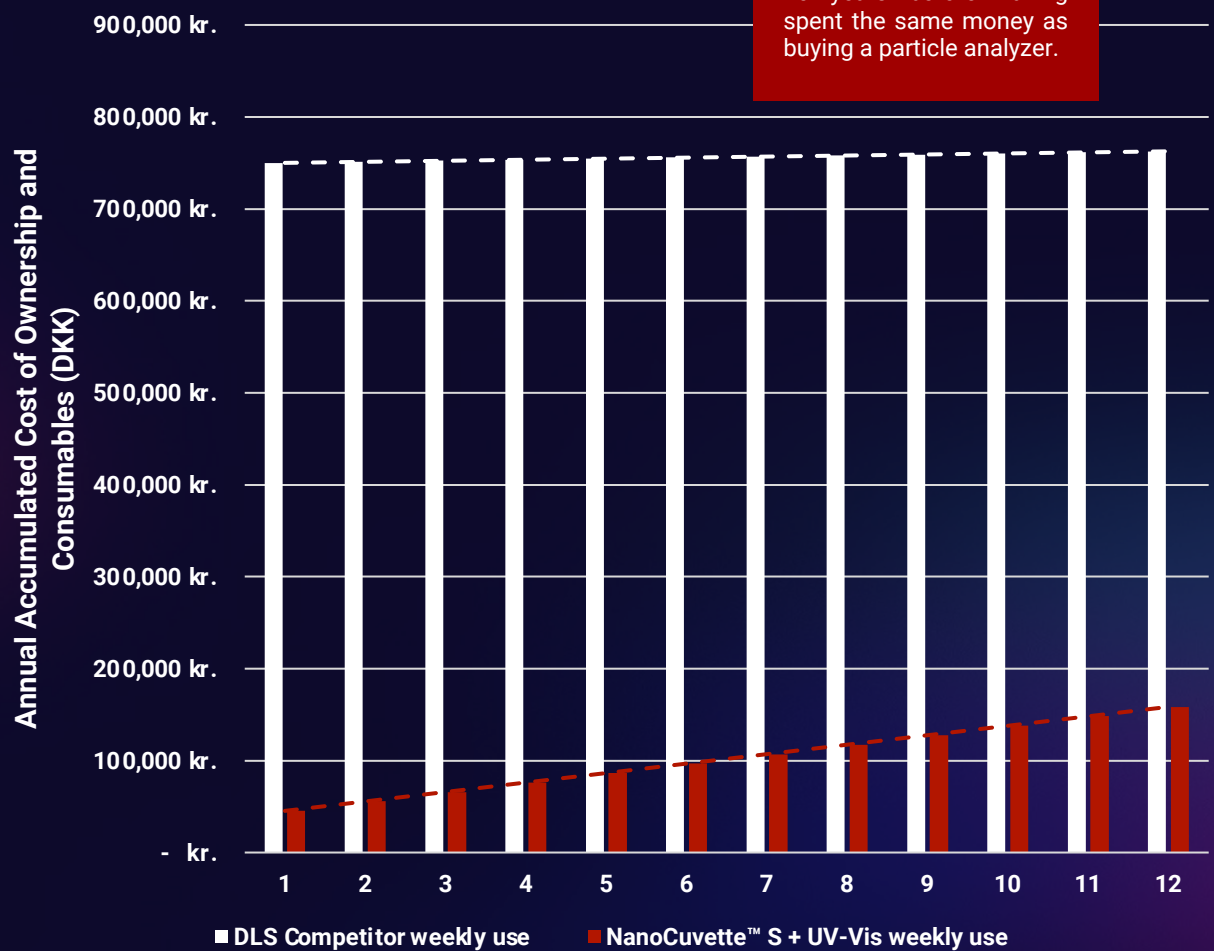
Customers can buy NanoCuvette™ S on a recurring basis and use it weekly for a minimum of 70 years before having spent the same money as buying a particle analyzer.

1 Customers save on fixed assets and maintenance

Replaces ~€100,000 capital investments (CAPEX) such as traditional particle size analyzers, micro-volume spectrophotometers and refractometers and maintenance with operating expenditures (OPEX) for NanoCuvette™ consumables.

2 Customers get better results with digital platform

Customers save time and get better results with SpectroLink™ and SpectroWorks™ replacing traditional Excel spreadsheets and paper lab journals with one-click analysis.



Business Overview

1 Product Sales

Our patented NanoCuvette™ and SpectroLink™ products require regular consumable replacements, generating recurring revenue streams.

2 Services

In addition to our products, we also offer a range of services, including application development, training, and support. These services not only generate additional revenue but also deepen our relationship with our customers.



~€2 per
analysis

Collaborations & Partnerships

We have secured partnerships with key global players in the industry and have been adopted by leading labs and research institutions, **validating our product-market fit and indicating strong demand for our solutions.**

SpectroLink™ already works with over 25 of the most commonly used spectrophotometers and there are more to come via over-the-air updates.



We collaborate with global leading industry partners:

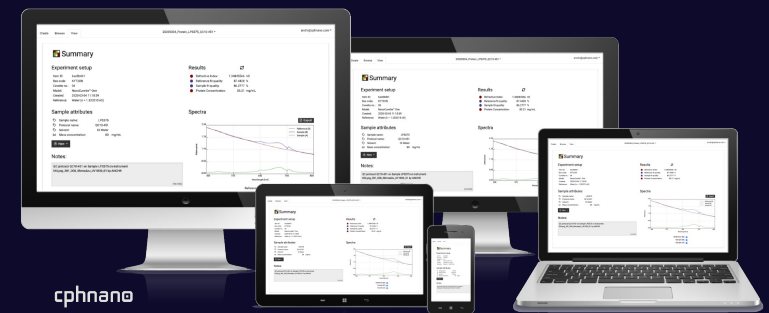


TOKYO STOCK EXCHANGE
+10 B-DKK TURNOVER



NASDAQ, FORTUNE 500
+40 B-DKK TURNOVER

We already provide to many resellers:

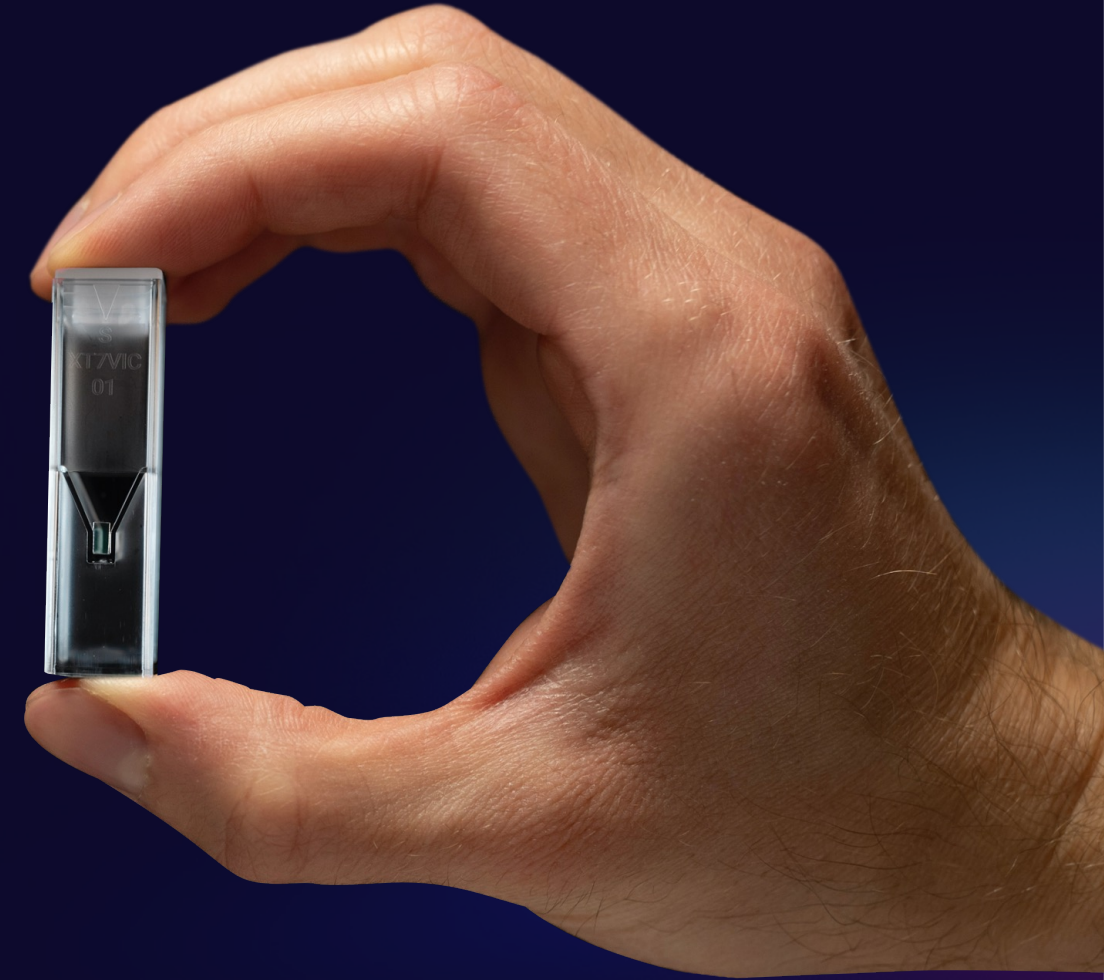


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"Copenhagen Nanosystems
crowned the danish winner
of Global Tech Innovator 2022"

[Read the full article](#)



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