



CHC Range

Global Leaders in Ultrasonic Optical Lens Cleaning and Hard Coating Systems



Expertise

Optimal Technologies are known globally as the leading supplier of complete compact cleaning and coating systems within the Ophthalmic Industry, providing systems to some of the world's best-known lens manufacturing companies regardless of their location.

Our highly knowledgeable and experienced team members provide our customers with the confidence that each system is built with expertise.



Delivering cleaning and coating systems to the Ophthalmic industry since 1997, with our range of integrated systems around the world





Lean and Efficient

We have been very selective with our supply chain to make sure that our suppliers are local to our manufacturing facility, which means a reduction in their travel reduces our carbon footprint during the manufacture of our systems. We constantly review our processes to find other ways of reducing our carbon footprint.

We're fully aware that space is often at a premium, so our systems have been specifically designed and optimised to provide the required throughput without sacrificing valuable manufacturing floor space through their compact footprint



Our systems allow our customers to add the required end features to their lenses without the need to upgrade the tanks.

We can provide expert knowledge on the best solution to suit the requirements of any size manufacturer and coating requirements such as: scratch resistance, anti-fog, hydrophobic, and suitable for new to market photochromic coatings

Trusted Partners

With over 20 years' experience in providing cleaning and hard coating systems to the Ophthalmic industry, we pride ourselves in the relationships we build with our customers, providing a long-term partnership throughout the life of their equipment.

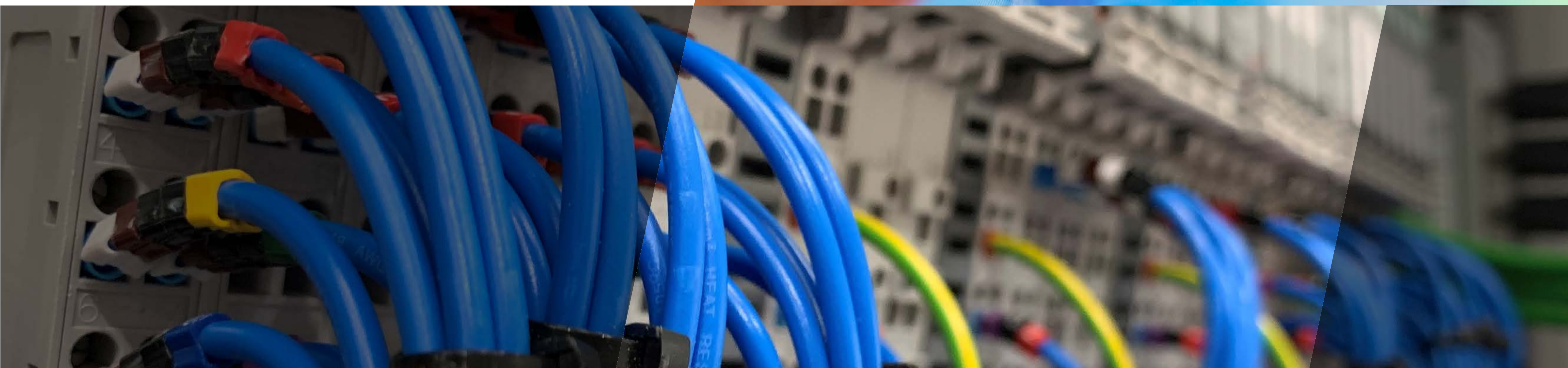


Helpful and Flexible

Once we have installed a customer's system, we train their teams on production-ready elements such as; start-up, processing software, on-going and preventative maintenance.

Once complete, our sign-off process gives our customers the assurance that all their teams are fully trained and competent in all operations of the system.

Our software allows for full recipe flexibility, allowing the customer to design a recipe in-line with their processes, offering multiple points of variability throughout the cleaning, rinsing, drying and coating processes. A key aspect is the speed profiling feature, which is programmable for the coating stages, providing complete coating control, all accessed through the digital HMI.





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Tailored Solution

With the range of lens size, shape, use and technology continuously evolving, our range of CHC systems provide a variety of throughput options and can be tailored to suit a customer's individual needs, from standard lenses, through to smart glasses and safety glasses to specialist visors.



Allows customers to choose from a number of configurations throughout the range, based on their capacity requirements

Flexible Approach

Capacities from 60 to 1,200 lenses per hour, based on the customer's individual process requirements.

Digital HMI

running the latest software for recipe personalisation

Rear Operational

2-axis robotic, or mass-transfer handling

Class 100

HEPA filtration and extraction

Energy Efficient

LED lighting across the range

Servo driven

coating control with 50 points of articulation

360° Weir

overflow on coating stages

Integrated Close-loop

de-ionised water system

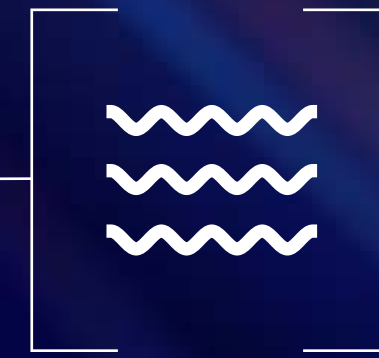
Remote Access

units available on all systems

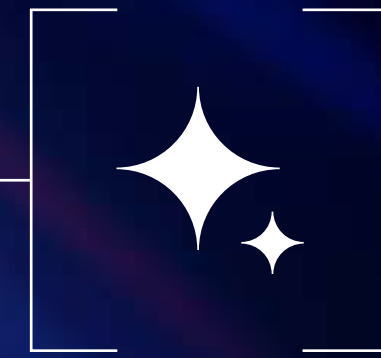
Powerful Cleaning

Every system in the range is fitted with adjustable ultrasonic power frequencies depending on the application, gently scrubbing the surface with millions of microscopic cleaning implosions.

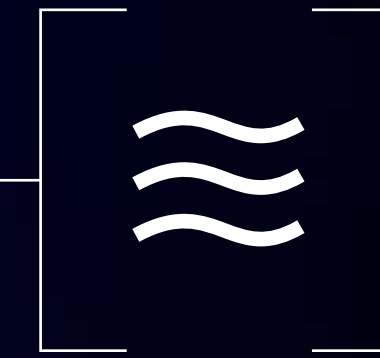
The system comprises of complete cleaning, coating and pre-curing technologies.



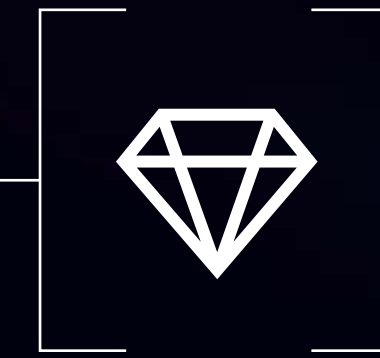
1-CLEANING



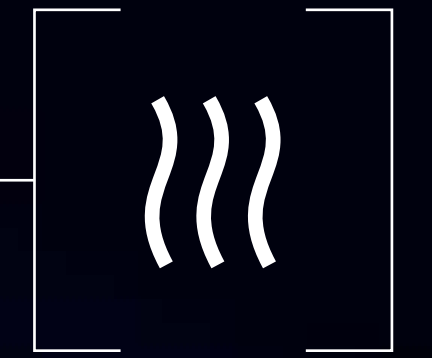
2-RINSING



3-DRYING



4-COATING



5-CURING



CHC 60-SR

- Capable of producing 60 lenses per hour
- Configured with 4 coating tanks
- Mass transfer handling system



CHC 150-S4-XL

- Capable of producing 150 lenses per hour
- Configured with 4 coating tanks
- Mass transfer handling system



CHC 200

- Capable of producing 200 lenses per hour
- Configured with 4 coating tanks
- External digital HMI
- Load and unload conveyor
- 2-axis robotic handling system



CHC 1000

- Capable of producing 1,000 to 1,200 lenses per hour
- Multiple coating tank configurations
- Optional built-in camera system
- Load and unload conveyor





t: +44 (0) 1462 491616
e: sales@optimal-technologies.com
www.optimal-technologies.com

Fourth Dimension Fourth Avenue Letchworth Garden City Hertfordshire UK SG6 2TD

