

LAINISALO®

AN INNOVATIVE PARTNER IN SURFACE TREATMENT

A LONG HISTORY OF **SPECIAL EXPERTISE**

Founded in 1990, Lainisalo Oy is Finland's leading subcontracting paint- and surface treatment shop specialising in large scale surface coating.

Our customers' products can be found on all continents and conditions around the world and they represent almost all sectors you can think of; consumer, medicine, military, shipping, construction, automotive and electronics to name a few.

Products we proudly affect include everything from faucets, elevators, heart monitors and weather stations to boats and ships, just to name a few.

In the heart of our continued progress and innovation is our own in-house research and product development. Our patents, innovations and passionate problem solving are the key to our position at the cutting edge of our industry.

This passion for research and development has led to the birth of two products that we are especially proud of; our ceramic paints and our Viral-safe coating, that eliminates viruses and bacteria in mere seconds.

Last but not least, our latest shop-in-shop concept works as an integral part of our customers own chain of production as a transparent turnkey operation that works towards reducing the carbon footprint and bring savings in both in money and time.



HELKAMA

Buster®



aarikka

VALTRA
UNLIMITED

MAIN AREAS OF BUSINESS

Electronics industry
Automotive industry
Military industry
Maritime industry
Construction industry
Medical industry

Established year | **1990**

Employees approx. | **140**

Annual sales approx. | **14 MEUR**

HELSINKI

Lainisalo Oy
Powder coat painting and wet painting
Ceramic painting
Laser marking
Printing

ÄHTÄRI

Lainisalo Oy
Wet painting

PERHO

Lainisalo Oy
Wet painting
Ceramic painting

TALLINN

Lainisalo Industrial Painting OÜ
Wet painting, robotic and assembly works
Ceramic painting
Printing

IRUKÜLA

Lainisalo Powder Painting OÜ
Powder painting, wet painting and assembly works





AT LAINISALO **QUALITY COMES NATURALLY**

At Lainisalo, all operations are based on lean thinking: we do the right things right. We remain alert and remove components that have no value from those places where our services are created. Also, without any pre-conceived ideas, we try out new work methods and immediately introduce those innovations that are proven to work.

We take responsibility for the best quality or, in other words, for guaranteeing the conditions for an unparalleled customer experience. Fortunately, we have partners and like-minded operators around us with whom we develop our services, according to growing demands, while not forgetting functional cooperation with our clients.

All of our offices have been granted ISO 9001 2015 and ISO 14001 2015 certificates.

OUR SERVICES IN FINLAND

We aim to provide the best industrial surface finishing service in Finland, for companies of all sizes. With our one stop shop, you will receive wet painting and powder coat painting, with pretreatment, as well as product development and expert services.

Our product development acts as an independent unit. We have our own laboratory where we conduct all tests and experiments when refining our surface finishing processes and methods for our customers' needs. We have expertise in surface finishing inspection of steel structures.

In our three separate paint shops, we are able to respond to the increasingly diverse needs of our customers. We specialise in painting metals and plastics; however, all other materials will also receive a quality and functional surface. We coat various surfaces with both our automated system and by hand.

Our expert staff, modern equipment and large capacity always guarantee the best solution for each surface finishing need.

HELSINKI - ÄHTÄRI - PERHO



OUR MACHINE BASE

- Manual powder coat paint shop with two painting stations
- Manual wet paint shop for small parts and ESD painting
- Power and Free wet painting system with two painting booths
- Polishing and finishing space
- Grindery
- 2 closed painting chambers for big objects 3000 x 1500 x 1500 mm
- Silk press and laser marking
- Powder coating system 3000 x 300 x 1100 mm
- 2 abrasive blasting booths for small parts
- Wet painting system for small parts
- A testing laboratory with a salt spray chamber

OUR SERVICES IN **ÄHTÄRI**

Our Ähtäri office, which began its operations in 2009, is situated in the Inha factory premises, just under 10 kilometres from the city centre.

We specialise in painting aluminum boats (Buster and Yamarin), whose chemical pretreatment is completed with Oxilan chemistry. We also tape boats on our premises in cooperation with Erikoisteippi Oy. We handle approximately 2000 boats a year.

We have a painting system for both small and large parts. The maximum size of the parts is 7500 x 3000 x 2000 mm and the maximum weight is 1000 kg. In addition, we have a separate painting chamber for transportable parts.

Our precise and quality work guarantee a surface for aluminium boats that will last and protect from corrosion, and it is also easy to maintain.

RAUMA **SHOP-IN-SHOP**

The shop-in-shop concept in Rauma solves multiple issues within production logistics for our customer, as the surface treatment process is created as a part of the customers own chain of production, inside the customers own factory facility, reducing the need for external logistics.

This transparent turnkey operation works towards improving our collective carbon footprint and bring savings, both in money and time.

OUR SERVICES IN **ESTONIA**

In 2016, we began our operations in Tallinn, where we have two offices. In Tallinn, we employ approximately 20 industry professionals, some of whom have transferred from our offices in Finland. A motivated and proud staff is the key to our success.

LAINISALO INDUSTRIAL PAINTING OÜ

Our wet paint shop especially serves system providers in the tech industry and the plastics and workshop industry. We have a modern wet paint shop at our disposal, and we also offer silk and tampo press services. Our objective is to become the leading industrial paint shop in the Baltics.

In addition to traditional industrial painting, we also use a robotic painting system (four painting robots, length of the process is 155 m). The painted sequences may also be small (e.g. a few hundred units), which enables a fast and multifaceted service.

We also conduct product development production method testing at our offices. For metal products, we use a four-stage bonderite pretreatment.

LAINISALO POWDER PAINTING OÜ

Our powder paint shop handles both large capacity automated painting as well as small paint jobs by hand. We use a ITW Gema automated paint shop with 14 pistols. The automated system contains a powerful powder recovery system, which allows for a 98 per cent powder usage rate. The automated system has a five-stage Surtec 609 pretreatment.

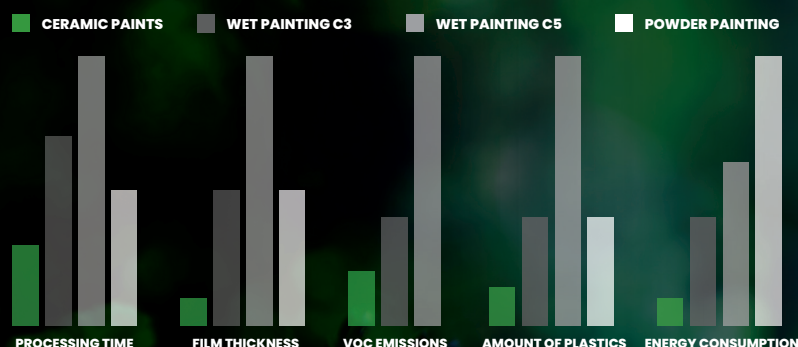
We also have a wide variety of different pretreatment and post-treatment services at our disposal as well as packing, assembling and logistics services.



SUPERIOR CERAMIC COATING

Our ceramic surfaces represent green values as surfaces last longer, use less energy to produce and result in less microplastics ending up in nature. Ceramic surfaces have excellent resistance against corrosion and chemicals as well as giving the surface great durability and a beautiful finish. We are the largest player in the Nordic and Baltic countries in the surface treatment of piece goods.

For us at Lainisalo no component is too challenging



We are a responsible operator that strives to utilize environmentally friendly solutions in all our operations.

Our environmentally friendly coatings do not need chemical pretreatments and contain only a fraction of the plastics, heavy metals and VOC compounds when compared to traditional painting solutions.

We also offer an alternative that does not require heat during the drying process. This way the energy consumption is lower than in traditional coating methods. The ceramic coating process also consumes less amounts of water, compared to other coating processes.

Our coatings are REACH, ROHS and Prop65 compliant.

CERAMICPAINTS[®]

by LAINISALO[®]

A more ecological and sustainable choice compared to traditional paints

- Dirt repellent
- Suitable for coating many materials
- Almost unlimited uses
- Extreme resistance to corrosion, mechanical and chemical stress as well as high temperatures
- No need for sealing surfaces and protecting threads
- Comprehensive range of colours

Our ceramic coating vs. traditional painting (C3)

- Process time – 50%
- Film thickness – 80%
- VOC emissions – 59%
- Amount of plastic – 77.5%

Ceramic coatings burden the environment less than traditional coatings.



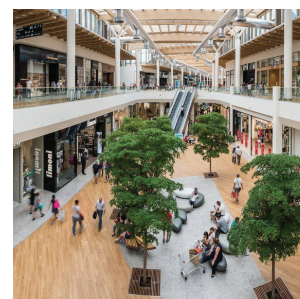
PATENTED **VIRALSAFE COATINGS**

Clean Touch Medical LTD, part of the Lainisalo group, has the goal to eliminate viruses and bacteria from contact surfaces and the air in not only hours, but within seconds. In the heart of this is a surface coating solution with super-antimicrobial properties.

We have our own patents for the use in filters and on surfaces and are proud to say that our product is the only one in the world that kills the norovirus.

Viralsafe is ideal for hospitals, shopping centers, offices, restaurants, children's daycare centers, schools, elevators, passenger ships, hotels, cars and any home air conditioner.

VIRALSAFE®
BY CTM



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