

ELYNXO



PRECISION MACHINING

COMPLEX
ASSEMBLIES

SINCE 1987



CNC MILLING • CNC TURNING • METROLOGY

EN CHIFFRES

ELYNXO continuously improves its organization, equipment, team expertise and infrastructure. This commitment led to the group-wide standardization of its ISO 9001:2015 certification in 2021, followed by the construction of its new 3,500 m² facility in 2023.

50 employees

Mechanical production, optronics, supply chain, engineering, sales administration and sales



2800 m²

Dedicated to machining and optronic manufacturing



150 m²

ISO 7 cleanrooms



Elynxo holds several certifications, demonstrating its operational excellence and commitment to ensuring customer satisfaction.



Customers and partners across civil and defence industries



HISTORY

Elynxo specializes in the design, manufacturing and maintenance of high-value-added optronic equipment and subassemblies.

The company also has extensive capabilities in precision machining and complex mechanical and optronic assembly.

The multidisciplinary expertise developed over the years has established Elynxo as a key industrial partner for both civil and defence markets.

Elynxo provides its expertise to customers across the defence, aerospace, medical and nuclear industries.

ELYNXO, THE SPECIALIST IN PRECISION MACHINING AND COMPLEX MECHANICAL & OPTRONIC ASSEMBLY

Thanks to its highly qualified teams and advanced infrastructure, Elynxo is able to meet its customers' most demanding and complex requirements.

PRECISION ENGINEERING

Materials and components procurement
In accordance with customer specifications

Inventory management and traceability
Materials, treatments, etc.

Manufacturing and/or management of mechanical subcontracting
CNC milling, CNC turning, surface grinding, cylindrical grinding, EDM, wire EDM, stamping, etc.

Special process management
Welding
Heat treatments
Surface treatments
Painting

We manage raw material inventory directly at our facility
Full traceability of materials and components

STEEL



ALUMINIUM



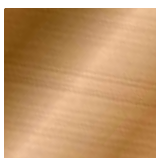
STAINLESS STEEL



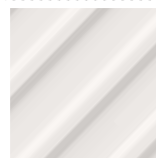
BRONZE



COPPER



PLASTICS

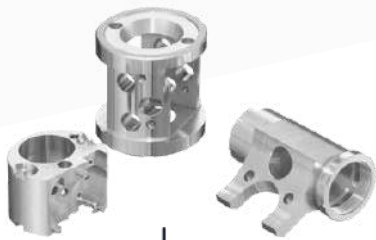


TITANIUM



HARD METALS





OUR APPROACH

Co-design & Industrialization

Our team supports you from the preliminary design stage through to serial production, including the prototyping phases

Analysis and recommendation of the best technical solutions for your requirements

Cost optimization, including optimization of component design

Productivity gains through advanced industrialization

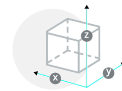
OUR PRODUCTION & MACHINING EQUIPMENT

Elynxo operates a wide range of machine tools, from conventional lathes to large-format 5-axis CNC machining centres, enabling us to meet a broad range of customer requirements.

- Our machining capabilities allow us to manufacture parts with maximum travel dimensions of :

Milling

- Up to 1,500 mm on the X-axis
- Up to 800 mm on the Y-axis
- Up to 700 mm on the Z-axis



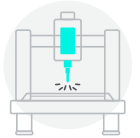
Turning

- Up to Ø 220 mm
- Up to 400 mm on the Z-axis



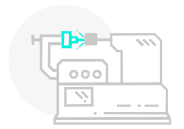
CNC Milling

- MATSUURA MX330 : 5 axis – 90 tools – 10 pallets
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- LIEDER 1250B : 4 axis – 24 tools
- FEELER VM-40-SA : 4 axis – 24 tools



CNC Turning

- CMZ TD20 YS : Twin-spindle lathe with bar feeder and Y-axis, equipped with driven tools
- CMZ TD20 Y : Twin-spindle lathe with tailstock and Y-axis, equipped with driven tools
- KIA SKT210 Y : Lathe with tailstock and Y-axis, equipped with driven tools



Finishing Operations

Management and supervision of heat treatment, surface treatment and painting operations.



Metrology

MITUTOYO CRYSTA-Apex-V CMM

X=900 / Y=1600 / Z=600

Height gauges, optical benches, climatic chambers / humidity control equipment and conventional measuring tools



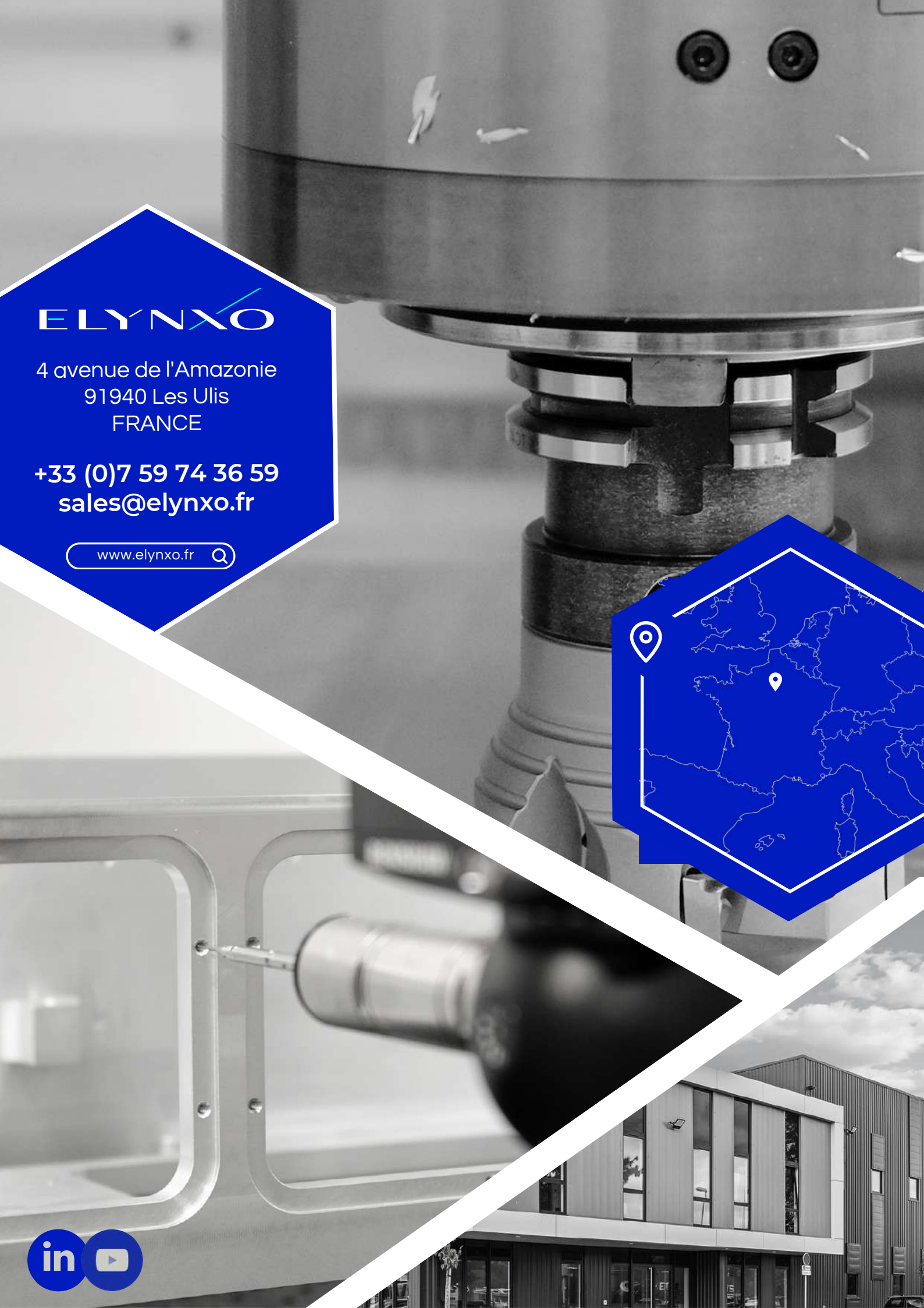
CAD, CAM & Business Management Tools

- 3D & 2D CAD : SolidWorks
- CFAO : TopSolid
- ERP : Divalto

Partner Network

Elynxo also relies on an extensive network of trusted partners, providing full control throughout the entire product lifecycle.



The background of the entire page is a grayscale photograph of industrial machinery. The top half shows a large, dark, cylindrical component with two small circular ports. Below this, there are various metal flanges, bolts, and a smaller cylindrical part. The bottom half of the image shows a different section of the machinery, featuring a large, light-colored metal frame with a circular opening and a smaller, dark cylindrical component. The overall image has a technical, industrial feel.

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