



Let's move
motion
technology
together



UMBRA GROUP





Our DNA

Our DNA constitute our specific identity, what makes us unique in creating value for our stakeholders.

We are an agile, problem-solving partner to the motion solution industry.

We are more than 1,600 people with motion running through our veins and collaboration in our hearts.

You'll find us in our manufacturing, research, and engineering facilities in Italy, Germany and the US.

We work to help our partners to innovate, produce, and develop the solutions that keep the world in motion.



UMBRAGROUP



A hand is visible on the left side of the frame, holding a large, dark, glowing sphere. The sphere has a bright, circular highlight on its surface, suggesting a light source. The background is a solid blue color.

Our Corporate Purpose
Our Value Proposition
Our Leadership Manifesto
Our Values

Our DNA

Our Corporate Purpose

Together with our partners across the industry, UMBRAGROUP's purpose is to provide society with the motion technologies it needs to evolve in a safe and sustainable way.

We see our industry as an **ecosystem** where everyone plays a vital role. At UMBRAGROUP **our role is to solve problems and speed-up progress**. We do this by working in **close partnership** – helping our customers to innovate, to produce, and to develop new solutions. So that together we can provide society with the **motion technologies it needs to evolve safely and sustainably**.



UMBRA GROUP

Our DNA

Our Value Proposition

UMBRAGROUP is an agile problem-solving partner to the motion-solution industry.

By **collaborating** closely, we help other companies to **innovate**, to **produce** the high quality parts they need, and to **develop new solutions** in a short space of time. Then we provide the entire **life-cycle support they need**. Besides our expertise in a wide range of applications, including aerospace, we bring **human-centric values** and over **50 years of experience** to every single assignment.



UMBRAGROUP

Our DNA

Our Leadership Manifesto

At UMBRAGROUP, we believe that true success comes from collaboration, mutual support, and a willingness to innovate together.

The **Leadership Manifesto – GUARDIANS of S.A.F.E.T.Y.**, represents our concrete commitment to **building a safe, collaborative, and people-centered** work environment.

Work together, win together.

Working together means growing together. Our leadership manifesto is not just a guide, but a point of reference to ensure that every person in UMBRAGROUP has the space, support and tools to perform at their best.



UMBRA GROUP

S.A.F.E.T.Y.

becomes an acronym for the six areas of action that inspire our leadership model.

Sustainable growth

We develop innovative and sustainable solutions for a better future.

Achievement

We are committed to achieving excellence together.

Foster relationships

we believe in strong and lasting partnerships based on mutual trust.

Empathy

We work with care and attentiveness to understand the needs of our partners.

Trust

We build relationships based on reliability, transparency, and responsibility.

Yourself improvement

We grow together, fostering innovation and continuous improvement.

Every leader at UMBRAGROUP is a guardian of these values, working side by side to create an environment where everyone can thrive.



Our DNA

We work to be **FIRST**

Our values are clear and **non-negotiable**.
They inspire our work every day and are shared
with every person on our team.

Focus on the customer

Innovation

Respect

Social responsibility

Teamwork



UMBRAGROUP



Focus on the customer

We want to build a lasting partnership based on mutual trust. We listen to our customer's needs to make a difference.

Innovation

We develop new ideas that foster innovation and improvement of processes, skills and interpersonal relationships.

Respect

We create loyal relationships based on trust, engaging professional discussion and the exchange of ideas.

Social Responsibility

We consider our company as a common good, belonging to all our community.

Teamwork

We nurture passion and determination to meet and overcome challenges, in full compliance with our Vision. Our strength is our team.

Locations



A group born in **Italy** with
a worldwide presence

ITALY

HQ UMBRAGROUP S.p.A.
Foligno (PG) - ITALY

Research Center
Albanella (SA) - ITALY

AMCo Srl
Foligno (PG) - ITALY

BSP Srl
Spello (PG) - ITALY

Co.Me.Ar. Srl
Spello (PG) - ITALY

EMS – Electro Motor Solutions
Albanella (SA) - ITALY

ERA Electronic Systems Srl
Perugia (PG) - ITALY

SERMS Srl
Terni (TR) - ITALY

Umbra Electros spindles & Devices (UED)
Foligno (PG) - ITALY



PRÄZISIONSKUGELN
ELTMANN GmbH
Eltmann - GERMANY

GERMANY



USA

LINEAR MOTION LLC.
Saginaw (MI) - USA

UMBRA CUSCINETTI Inc.
Everett (WA) - USA

Our History

Many narratives begin with spectacle.
An epic origin. A seductive plot. A surprise ending.

Our story is different. It's not a myth. It doesn't begin with legend.
It begins in 1972, in Foligno, with a vision.

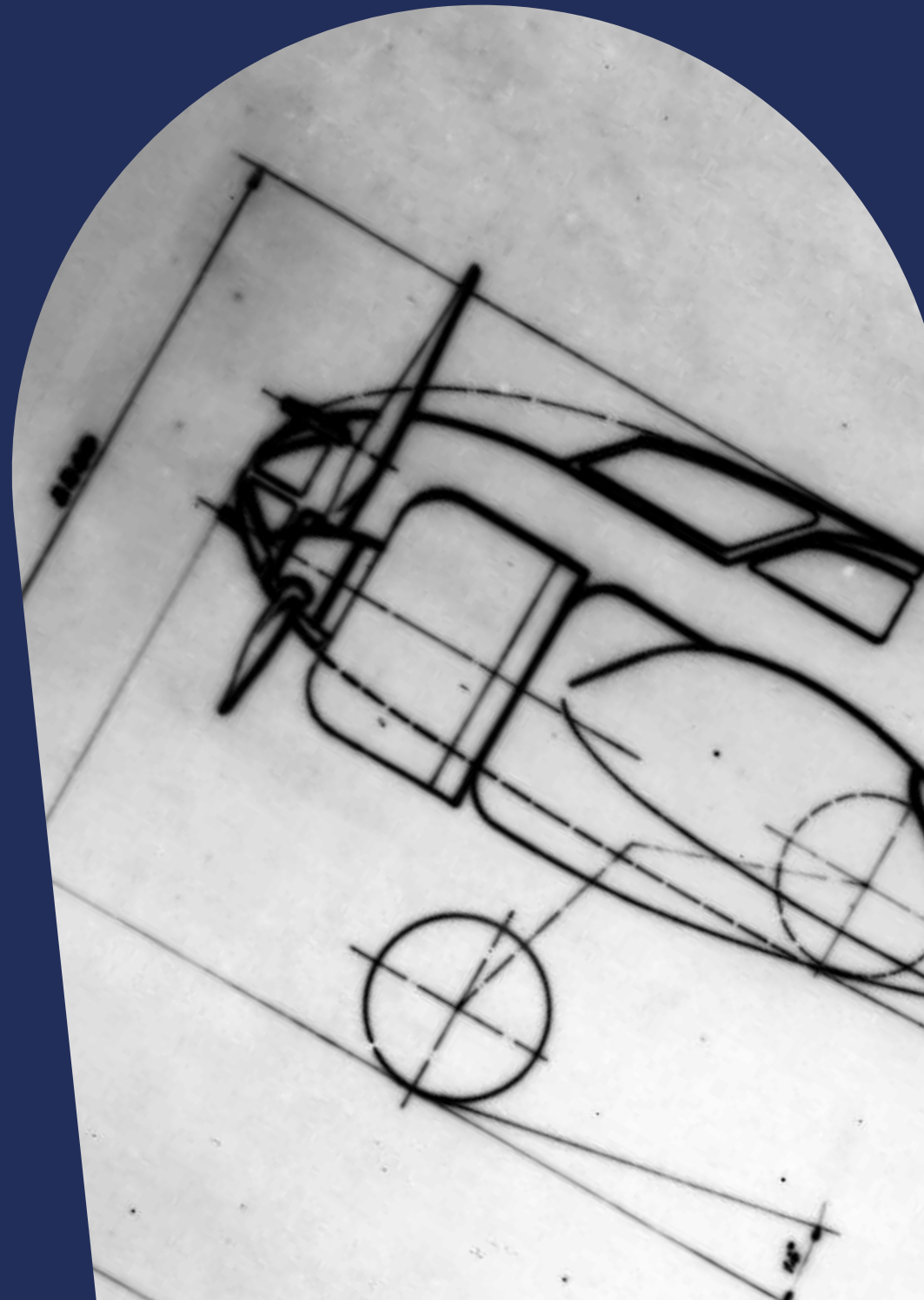
A vision born from the dream of a forward-looking entrepreneur—
a dream fueled by courage, resilience, and the belief that every
challenge hides an opportunity.

From the very beginning, UMBRAGROUP has believed that
excellence is not a destination, but a journey— one that demands
continuous innovation, human connection, and the courage to
evolve.

Over the decades, we've grown from a local company into a global
Group, recognized for our cutting-edge motion solutions and our
unwavering commitment to quality and sustainability.

But what truly defines us is our DNA: a human-centric culture, a
passion for partnership, and a drive to move technology forward-
together.

Our story is still being written.
And every day, we move it forward.





FAG Kugelfischer, Schweinfurt (DE), and GEPI (IT) found Umbra Cuscinetti SpA to produce high-precision bearings.

1972

Mr. Valter Baldaccini, together with Mr. Reno Ortolani and other local investors, organizes the Management Buyout and acquires 100% of Umbra Cuscinetti shares.

1993



Shareholder base: managers and employees enter the corporate structure of Umbra Cuscinetti SpA.

2008



Inauguration of the Research Center in Albanella [SA] – IT

2012

Acquisition of Linear Motion LLC (Saginaw, Michigan – USA) and AMCo Srl in Foligno (PG) – IT

2018

Acquisition of EMS for the production of electric motors. Launch of the startup UED for the design and manufacturing of electrospindles and milling heads.

2025



1978

The Company starts producing ball screws for the aviation industry.

1999

Acquisition of Everett, Umbra Cuscinetti Inc. (Washington – USA)

2011

Acquisition of Präzisionskugeln Eltmann (DE)

2017

Acquisition of SERMS srl in Terni [TR] – IT

2023

UMBRAGROUP SpA acquires 51% of COMEAR and BSP shares and 100% of ERA Electronic Systems shares.



Our Business

We help our partner to innovate, produce, and develop new motion technologies.

We do this across various sectors to provide society with the motion solutions it needs to evolve safely and sustainably.

AEROSPACE & DEFENCE
INDUSTRIAL
SPACE
AFTERMARKET



UMBRAGROUP



AEROSPACE & DEFENCE

TOGETHER, ADVANCING
SUSTAINABILITY AND SAFETY IN FLIGHT

We supply innovative, flight-critical components and solutions for the aerospace market. Our products are the beating heart of high-quality electromechanical systems, such as those that move flight control surfaces. Our design criteria and constant technological innovation allow our products to maintain top-level performance even after decades of service.



INDUSTRIAL

POWERING PROGRESS TOGETHER
WITH HIGH-PERFORMANCE SOLUTION

We are internationally recognized for excellence in the design and construction of high-tech systems. We want to revolutionize movement with an ever-decreasing environmental impact, constantly focusing on electrification. The wide range of products we offer fully meets the needs of the Industrial market, which branches out into numerous application sectors.



SPACE

RESEARCH AND DEVELOPMENT FOR AN
EXTRAORDINARY WORLD

Our SERMS subsidiary offers unique services, both testing and simulating space environments. Design and rigorous manufacturing of precision mechanisms and sub-systems compliant with ESA and NASA.



AFTERMARKET

SUPPORTING THE ENTIRE LIFE OF
PRODUCTS BOTH FOR AEROSPACE
AND INDUSTRIAL MARKET

Support throughout the entire life cycle of our products, managed by a dedicated Aftermarket Division operating specific facilities and offering customers all-inclusive, worldwide services.

Aerospace & Defense



ACTUATION

Ball screw;
Micro screw;
Electromechanical
Actuators.



ELECTRONIC SYSTEM

Control Units;
Power supply units.



TRANSMISSION

Sector gears;
Pinions.



Aerospace & Defense



PRECISION MACHINING

Components
and sub-assemblies;
Critical components
for flights.



ELECTRIC MACHINES

Electric Motors.

Industrial



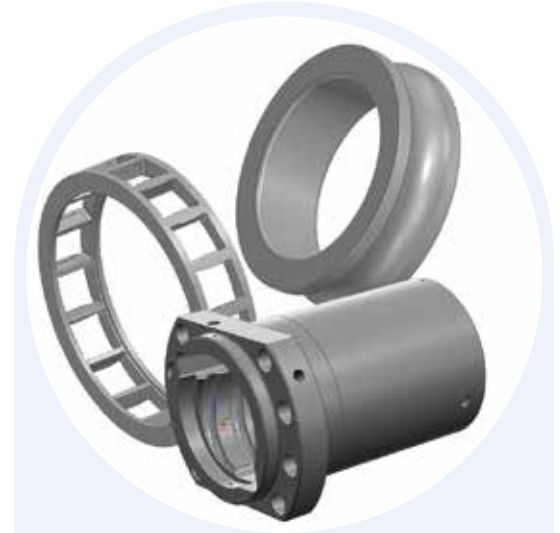
ACTUATION

Ball screw;
Micro screw;
Electromechanical
Actuators.



TRANSMISSION

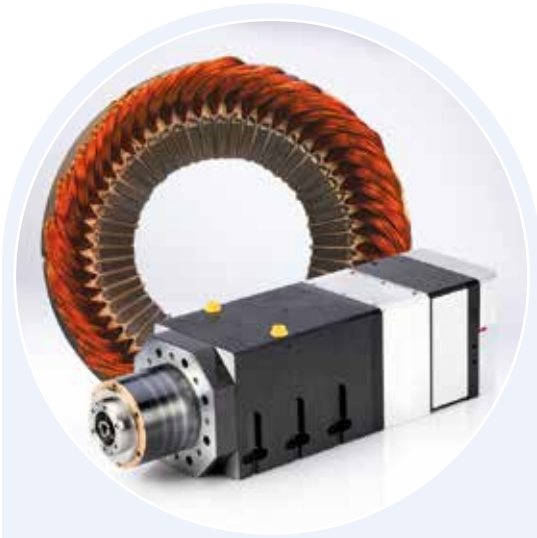
Steel Balls;
Bearings.



PRECISION MACHINING

Semi-finished nuts
for ball screws;
Machined cages
for bearings;
Semi-finished rings
for bearings.





ELECTRIC MACHINES

Electric Motors;
Electrospindles.

Integrated Processes and Capabilities

At UMBRAGROUP, our strength lies in the seamless integration of quality, development, and production systems.

Guided by internationally recognized standards and lean methodologies, we ensure every product is designed, validated, and manufactured with precision.

From early-stage design reviews to final production, our unified processes drive innovation, efficiency, and sustainability across all markets we serve.



UMBRAGROUP

QUALITY SYSTEM

We work closely and rigorously with our customers, fully responding to their needs and expectations. We are committed to honoring every contractual agreement—ensuring quality, timeliness, and cost-effectiveness—while always acting in accordance with applicable regulations.

This commitment includes the timely and accurate flow-down of requirements throughout our Supply Chain.

We are also deeply motivated to continuously improve the effectiveness and efficiency of our management and operational processes. Our goal is to ensure full compliance of both products and processes with the specifications and regulations related to quality and safety.

We know that achieving these objectives requires the contribution of every individual. That's why we invest in ongoing professional development and the continuous enhancement of our Human Resources.

We implement these strategies through our Quality Management System, developed and certified according to the standards: ISO 9001, AS/EN 9100, NADCAP, and other regulations issued by international aeronautical authorities (EASA, FAA, CAAC, CAA).



DEVELOPMENT SYSTEM

We have adopted the Integrated Global Development, an approach that allows our customer co-control in achieving optimal solutions.

This is achieved through an interconnected work team and an interdisciplinary and interactive engineering approach.

The integrated development system allows the customers to adopt the perfect solution, designed ad hoc to meet their needs quickly.



PRODUCTION SYSTEM

We work cohesively to harmonize and centralize the forecasting, planning, and management of customer orders in all our worldwide locations.

The UMBRAGROUP Production System is based on a set of tools and rules, derived from Lean Production and 6-Sigma principles. It is suitable for managing productive and organizational activities to guarantee on-time-delivery to the customer, respect for quality targets and reducing waste, with the aim of increasing competitiveness in the market.

It is a Group approach oriented to the consolidation and improvement of all business processes aiming for higher efficiency.





**DESIGN
AND DEVELOPMENT**

- Component research and purchasing
- Detail design
- Design upon Customer Specifications
- Electric Design
- Electronics & Software**
- Feasibility Study & Concept Development
- Functional Analysis
- Maintainability
- Mechanical Design
- Reliability**
- Safety**
- Stress Analysis
- Thermal Analysis
- Verification & Validation**



**FAST
PROTOTYPING**

- 3D Measurements
- Advanced robotics**
- Assembly**
- Prototyping
- Tooling



INDUSTRIALIZATION

- Built-to-print industrialization
- Fixtures
- Internal Specifications
- Manufacturing sketches
- Operative Procedures
- Process PFMEA**
- Production Part Approval Process (PPAP)**
- Products Industrialization
- Routing
- Small and large series manufacturing



MACHINING

- CNC Lathe
- Conventional Lathe
- Drilling
- Grinding
- Shaper
- Hard Milling
- Hard Turning
- Hobbing
- Honing Machine
- Marking and High precision
- Manual deburring
- Milling
- Precision Deep Drilling
- Tumbling/Sandblasting
- Turning
- Whirling

Testing & Qualification
RTCA/DO-254, RTCA/DO-178B, RTCA/DO160G



SPECIAL PROCESSES
NADCAP

ENVIRONMENTAL
& STRUCTURAL TESTS

EMI & EMC TESTS

SERVICE
& SUPPORT

- Anodizing
- Black oxide coating
- Chromium Plating
- Chromic and Sulfuric Anodizing
- Copper Plating
- Gas Nitriding
- Gas carburizing
- Hardening and tempering
- Induction hardening**
- Low pressure hardening
- Low pressure carburizing
- Passivation
- Precipitation hardening
- Phosphate coating
- Zinc-Nickel plating

- Combined Vibration + Temperature Test**
- Dynamic load Tests
- Endurance Test
- Environmental Test Limit
- ESS Test
- Fatigue Test**
- Final Functional Test
- HALT Test**
- Line Validation Test
- Manufacturing Test
- Noise Test
- Operational shock and crash safety
- Performances Test
- Ultimate load Test
- Vibration Test**

- Audio
- Frequency Conducted Susceptibility
- Electrostatic Discharge
- Emission of Radio Frequency Energy** – Radiated and Conducted
- Field Returns
- Magnetic Effect
- Power Input
- Prototype Reliability & EMC test
- Radio Frequency Susceptibility**
- Conducted
- Voltage Spike

- 2 Repair stations**
- AOG service
- Components screening service
- ILS**
- Inventory mgmt

Research & Development

IMPROVING THROUGH INNOVATION, INNOVATING THROUGH COLLABORATION

Our constant Research & Development activity takes the form of a continuous investment in human capital, facilities, and equipment to develop new products and new production processes.

We increasingly want to be the leading player in electrification in the new mobility revolution both in the Aerospace and Defense and Industrial markets.

We carefully nurture the efficiency of our factories all over the world – we set daily Quality goals and adjust our lines to always provide customers the production capacity they need.



UMBRAGROUP

Innovation

INNOVATING THE FUTURE, TOGETHER

We develop new products and processes to meet the performance demands of an ever-changing world.

We work to meet the increasingly demanding technical expectations of the market: safety, reliability, durability, sustainability, and compactness are the basic characteristics that define the guidelines of our innovation path.

Collaborating in the revolution of motion solutions allows us to work side by side with our partners to introduce innovative technologies to the market, made through special, reliable, and stable processes.



Sustainability

Sustainability for us means acting concretely to protect the environment, the ecosystem, people, and the greater community. It means constantly working on improvements, which can satisfy the needs of the present generation, without compromising those of future generations.

UMBRAGROUP's work is therefore oriented on clear and defined directives. First of all it is our duty to minimize the impact of corporate production on the environment, through research and developing new, cutting-edge solutions and processes.





CERTIFICATIONS

This will allow us to satisfy our customers with a reduced impact on the ecosystem.

In fact, we are constantly focused on guaranteeing the safety and well-being of employees, through projects oriented toward the work-life-family balance, psychophysical well-being, and awareness, through refresher courses, communications, and initiatives open to all, and towards the importance of safety in the workplace, the environment and the ecosystem.



ISO 45001

- UMBRAGROUP SpA (HQ)
- B.S.P.
- CO.ME.AR.
- ERA Electronic Systems

ISO 14001

- UMBRAGROUP SpA (HQ)
- Präzisionskugeln Eltmann
- B.S.P.
- CO.ME.AR.
- ERA Electronic Systems

ISO 50001

- UMBRAGROUP SpA (HQ)
- Präzisionskugeln Eltmann

Social Development

We strongly believe in the possibility of an ethical approach to economic development, which combines productivity and the centrality of the individual in strategic business decisions.

We want to create a sustainable profit and at the same time foster respect and a focus on people, promoting not only innovation, but also the ethical principles and value of social change.





The Valter Baldaccini Foundation

The Foundation was born in 2015 to preserve the memory of Valter Baldaccini, founder of UMBRAGROUP.

The Foundation works to aid those who need help the most, running local and international projects designed with struggling families in mind, initiatives that create job opportunities and educational programs that give people a chance at advancement. One of its goals is to support the communities where UMBRAGROUP production plants are located.



“Together we sowed a great seed that will become a great plant”

April 9, 2014 – Valter Baldaccini

www.fondazionevb.org/en



umbragroup.com





UMBRA GROUP