



Camozzi Group overview

# About us

Founded in 1964, the Camozzi Group is a multinational Italian company and a market leader in the production of components and innovative systems for **industrial automation**. It is also a main player in the integrated **Industry Internet of Things (IIoT 4.0)** systems sector. A key driver for the Group is a commitment to complete sustainability.

The Group has expanded its activities into various other sectors: from **specialised large machine tools** to advanced engineering for textile machines and raw materials processing. It has a particular focus on innovative materials involved in additive manufacturing (including composites, titanium, aluminium).

SECTORS

INDUSTRIAL  
AUTOMATION  
LARGE MACHINE TOOLS  
TEXTILE MACHINES  
RAW MATERIALS  
PROCESSING  
ADDITIVE  
MANUFACTURING

4.0

TECHNOLOGIES

MECHATRONICS  
IIoT  
3D PRINTING  
ARTIFICIAL INTELLIGENCE  
SOLUTIONS

# Our vocation



Technological innovation defines the Group. It is the distinctive characteristic of our way of doing business and drives us forwards to embrace the future of the industrial world.

The Group works to always advance state-of-the-art technologies thanks to its continuous investment in know-how and advanced research and a pioneering intellectual property portfolio.



# Our history



1964

The three Camozzi brothers found a company of the same name, specialising in pneumatic components for industrial automation.

1980-90

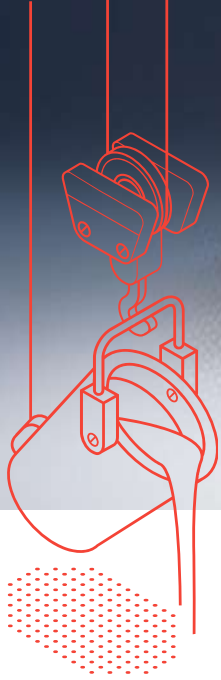
**Acquisition of Campress.**  
Automation subsidiaries opened in Germany, USA, Benelux and Sweden.

1991-2000

**Acquisition of Plastibenaco, FAB, Berardi, Innse, Retco, Marzoli, VOUK.**  
**Establishment of Innse-Berardi.**  
Automation subsidiaries opened in Russia, Belarus, Ukraine, Argentina, France, UK, China (first) and Mexico.

2001-2010

**Acquisition of Newton Officine Meccaniche, Ingersoll Machine Tools, Marzoli Foundry, Innse Milano, Romano Abele.**  
Automation subsidiaries opened in China (second), India, Denmark, Malaysia, Austria, Kazakhstan.  
Innse-Berardi subsidiary opened in Germany.



## 2011-2015

- Acquisition of Fonderie Mora Gavardo.
- Founding of Camozzi Digital.
- Automation subsidiaries opened in Estonia, Norway, Czech Republic.
- Innse-Berardi subsidiaries opened in China and Russia.
- Marzoli subsidiary opened in India.

## 2016-2020


- New European logistics hub.
- Establishment of MARC (Mechatronic Application Research Center).
- Automation subsidiaries opened in Poland, Spain, Turkey, Uzbekistan.
- Innse-Berardi subsidiaries opened in USA.
- Marzoli subsidiaries opened in Turkey and Uzbekistan.

## 2021

- The Camozzi Research Center and Camozzi Advanced Manufacturing are founded.
- The Camozzi Group moves its **registered office to Milan.**

# Our value proposition

## Innovation and growth




We innovate by advancing our know-how acquired in the industrial domain and combine this with the most advanced technologies, in order to guarantee our customers industrial excellence.

We produce innovation by uniting our knowledge of real-world industrial applications and the digital landscape of production processes.

We interconnect people and assets in order to build smart factories, where robots work in close harmony with operatives and where machines are able to adaptively control themselves in the event of malfunctions.

A digital factory where everything contributes to value creation.

## Innovation and growth while respecting complete sustainability



We establish partnerships with customers, suppliers and our stakeholders and share their long-term goals.

We minimise the environmental impact of our production sites and our products.

We strive to create an internal work organisation that upholds the highest standards of accident prevention and health.

We create a work environment and human connections that are gratifying for every single worker.

We support the local communities in which we operate.

We provide our customers with efficient, environmentally friendly and sustainable solutions.

# Our group in numbers




**11**  
Companies  
Consolidated  
in 5 divisions




**2730**  
Employees  
2020



**25**  
Production sites  
In Europe, China,  
India, Russia and  
USA



**40**  
Subsidiaries and  
service centres  
In over 70 countries



Revenues  
2020

**414**  
mln €



Sales  
2020



ITALY  
**20%**


Turnover  
invested in R&D

R&D, technology partnerships  
and technology assets

**3%**

# Camozzi worldwide



 Headquarters

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25 Production sites

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 40 Subsidiaries and service centres

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 50 Exclusive distributors

# Financial data

Divisions	2019	2020
Revenues (MI €)		
Automation	58 %	61 %
Machine Tools &Textile	28%	26 %
Manufacturing	14 %	13 %
<b>TOTAL</b>	<b>425</b>	<b>414</b>
EBITDA		
	73	78
Net profits		
	19	19
Investments		
	59	33



Area	2019	2020
Revenues (MI €)		
EMEA	50 %	53 %
America	20 %	16 %
APAC	11 %	11 %
Italy	19 %	20 %

# The group

5 DIVISIONS

25 PRODUCTION SITES

 <p><b>Automation Division</b></p>	<p><b>Camozzi Automation</b> Solutions for Industrial automation</p>	<p><b>Camozzi Technopolymers</b> Plastic materials moulding</p>	<p>30 SUBSIDIARIES 15 PRODUCTION SITES</p>		
 <p><b>Machine Tools Division</b></p>	<p><b>Innse-Berardi</b> Machine tools with hydrostatic technology and mechanical engineering</p>	<p><b>Ingersoll Machine Tools</b> Advanced machine tools with mechanical technology, 3D printing and composites</p>	<p>5 SUBSIDIARIES 2 PRODUCTION SITES</p>		
 <p><b>Textile Machinery Division</b></p>	<p><b>Marzoli Machines Textile</b> Advanced engineering for textile machines</p>		<p>4 SUBSIDIARIES 2 PRODUCTION SITES</p>		
 <p><b>Manufacturing Division</b></p>	<p><b>Fonderie Mora Gavardo</b> Cast iron, aluminium foundry and mechanical processing</p>	<p><b>Camozzi Advanced Manufacturing</b> Specialised machining and 3D moulding of composite materials</p>	<p><b>Newton</b> Metal processing</p>	<p><b>Campress</b> Brass forging</p>	<p>6 PRODUCTION SITES</p>
 <p><b>Digital Division</b></p>	<p><b>Camozzi Digital</b> Digital innovation and IIoT solutions</p>			<p>1 SUBSIDIARY</p>	



Research Center

Conducts research activities for continuous innovation in all divisions

# Governance



Lodovico Camozzi

President and CEO Camozzi Group

Honorary President and Board Member  
Luigi Camozzi

Board Members

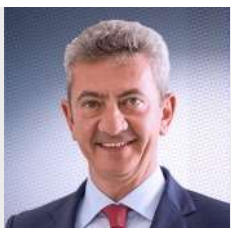
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Giovanni Camozzi  
Marco Camozzi  
Mario Camozzi

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# Management

## AUTOMATION DIVISION



Marco  
Camozzi  
COO  
Camozzi  
Automation  
Camozzi  
Technopolymers

## MACHINE TOOLS DIVISION



Chip Storie  
CEO  
Ingersoll  
Machine Tools



Luca Molinari  
COO  
Innse-Berardi

## TEXTILE MACHINERY DIVISION



Cristian  
Locatelli  
COO  
Marzoli Machines  
Textile

## MANUFACTURING DIVISION



Massimiliano  
Passeri  
COO  
Fonderie Mora  
Gavardo -  
Cast Iron Foundry



Alberto Facchini  
COO  
Fonderie Mora  
Gavardo - Machining  
/ Aluminium Foundry



Bruno Donati  
COO  
Campress



Luca Molinari  
COO  
Camozzi Advanced  
Manufacturing



Roberto  
Pezzetta  
COO  
Newton

## DIGITAL DIVISION



Cristian  
Locatelli  
COO  
Camozzi Digital

## CAMOZZI RESEARCH CENTER



Dario Ferrarini  
CTO

# Camozzi Outstanding Achievements 2020



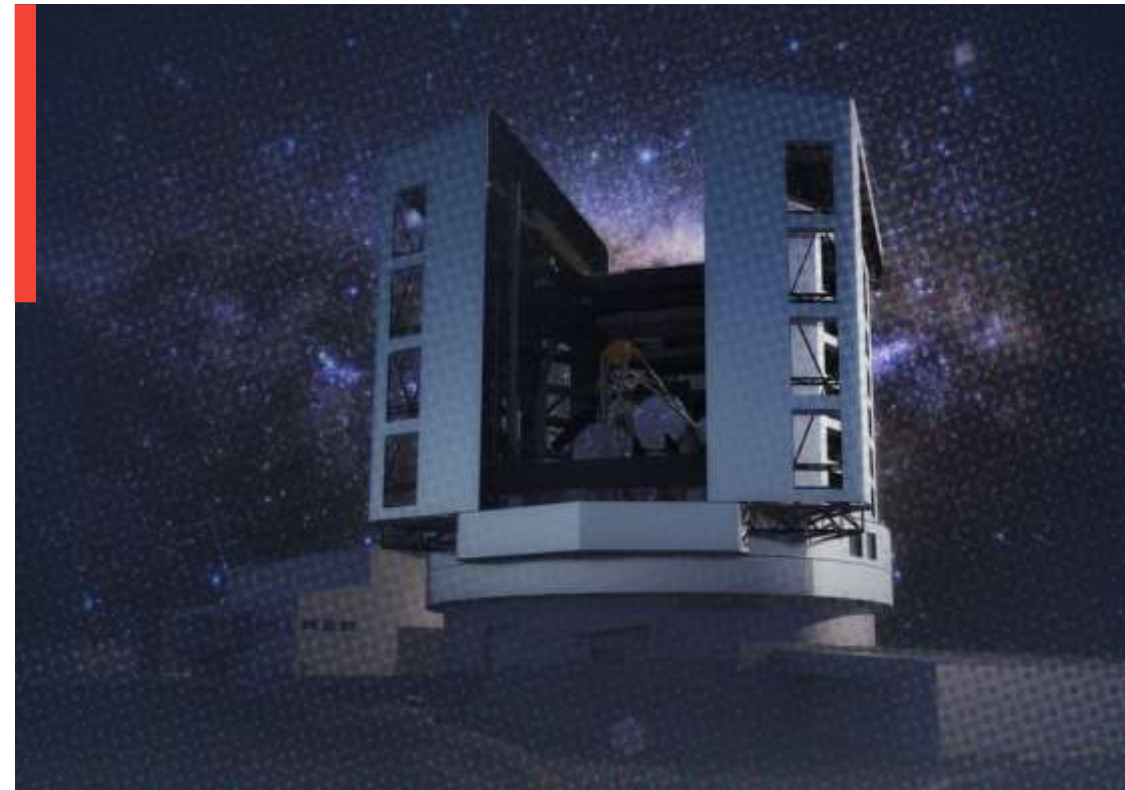
## Giant Magellan Telescope (GMT)

Ingersoll and GMT Organisation worked in partnership to manufacture the 1,300-tonne steel precision mechanism that holds the optical apparatus and mirrors of the GMT, the world's largest new-generation telescope, which will track the movement of the stars.

## Genoa Bridge Robots

Camozzi, in collaboration with the Italian Institute of Technology (IIT) of Genoa, built four unique robots to ensure the safety of a new bridge, the first of their kind in the world.

Two inspection robots scan the bridge to detect possible anomalies and issues, while two wash robots clean the wind-protection walls and solar panels.



# Camozzi Outstanding Achievements 2020

## MasterPrint

The largest additive manufacturing machine in the world, equipped with a 5-axis milling head. It is capable of programming, simulating, and printing in 3D (in composite/polymer as well as metal, wood and recyclable materials), overprinting, reinforcing and milling of large and tall composite parts on a single unit.

The largest printed object in the world, a boat, was produced by Masterprint



# Camozzi Outstanding Achievements 2020



## MVM - Milan Mechanical Ventilator

Camozzi was part of the group of companies who created this respiratory support device, conceived in Italy and based on concepts developed by scientists at the Gran Sasso National Laboratory of the INFN.



## FI5 Ventilator

Camozzi, together with Scuderia Ferrari and the Italian Institute of Technology, designed a portable respiratory support ventilator which can be used in intensive care units in just five weeks .

# Camozzi Outstanding Achievements 2020



## Italian Mechatronics Award 2020

Camozzi Group won the Italian Mechatronics Award, in acknowledgement of how the company "has succeeded in transforming itself from a market leader in the industrial automation components sector to a company that can offer innovative and comprehensive solutions in various sectors, exploiting the enabling technologies of Industry 4.0, new business models, new skills and partnerships with companies and research centres."

### Applied Industry 4.0: Series D Valve Island

The valve is equipped with CoilVision® technology that enables monitoring and prediction of fatigue and efficiency of key parts of the solenoid valves. The collected data, alerts, and health status can be visualised and transmitted to a PLC or a wireless IIoT gateway, to be forwarded to the Cloud.



# Camozzi Research Center

FORMER INNSE MILANO OFFICES  
NOW CENTER OF RESEARCH EXCELLENCE

3,600 m<sup>2</sup> offices and laboratories

30,000 m<sup>2</sup> industrial area

200 t max load capacity

27 m max height

One of a kind in Europe for technology applications for large-scale manufacturing and cyber physical systems for automated production lines.

- Research + industrial applications in the context of a hybrid technology structure that combines research, contract manufacturing, advanced manufacturing and 3D processes
- Know-how system integrator of industrial processes, digital systems, robotics and automation creating genuine cyber physical systems (CPS)
- Owns and operates 565 patents awarded to group companies
- Joint labs with universities and national and international research centers

# Camozzi Innovation Network

The Camozzi Group maintains long-term partnerships with companies, authorities and institutions involved in research and innovation.

11 UNIVERSITY INSTITUTES	4 TECHNOLOGY PARTNERS	3 INSTITUTIONS	3 RESEARCH CENTERS
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## UNIVERSITIES

- University of Brescia  
*Academy & Master*
- University of Bergamo  
*Cyber Physical System Smart Actuators*
- Politecnico di Milano  
*Robotics automation, 3D technology*
- The University of Maine  
*Partnership with Ingersoll on 3D printing research*
- Università Cattolica del Sacro Cuore
- University of Udine
- University of South Carolina
- Shanghai Institute of Technology
- Krasnoyarsk State Agrarian University
- Samara University
- Don State Technical University

## TECHNOLOGY PARTNERS

- Siemens
- Microsoft
- SAP
- ABB

## INSTITUTIONS

- Ministry for University and Research
- Region of Lombardy
- European Union

## RESEARCH CENTERS

- IIT Italian Institute of Technology  
*New Material, Atomation & Robotics*
- ITA Technological Institute of Aragon  
*New Material & New cast&Iron Processing method*
- CCAT Connecticut Center for Advanced Technology



# Camozzi Academy

## The empowerment for our development

The Camozzi Academy is not just training or learning organisation, but a structured system to promote knowledge and to nurture and implement our business strategies.

We strengthen our organisational culture with:

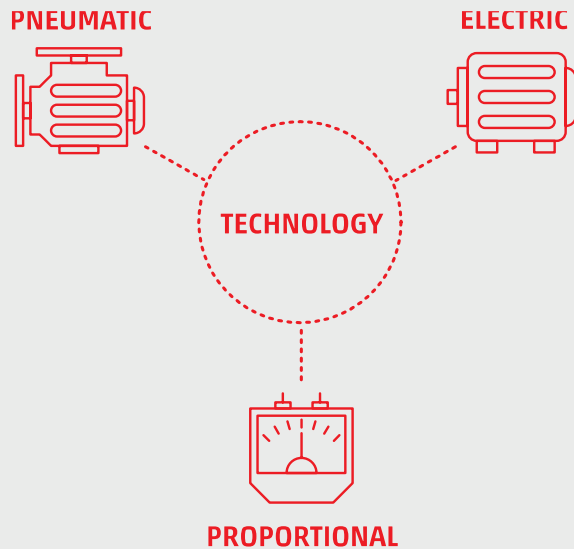
- Continuous learning programmes
- Learning on the job
- Partnerships with universities and research centers



# THE DIVISIONS

# Automation Division

Leader in the design and production of motion and fluid control components, as well as systems and technologies for the sectors:



LIFE SCIENCE



TRANSPORTATION



INDUSTRIAL  
AUTOMATION

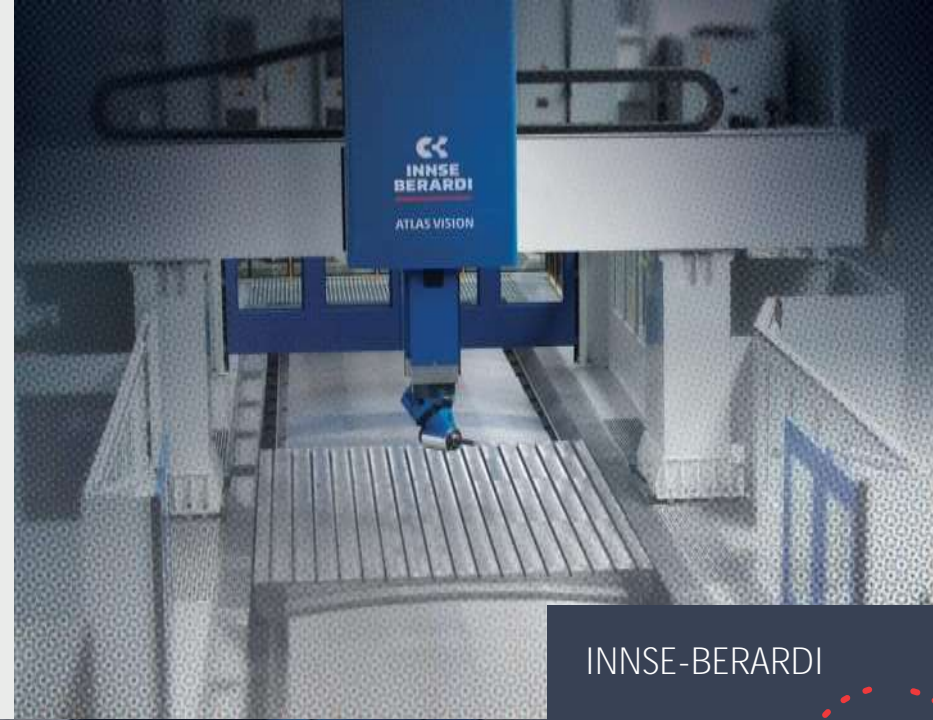
CAMOZZI AUTOMATION'S OFFERING INCLUDES EVER MORE IIoT PRODUCTS AND SOLUTIONS.

# Machine Tools Division

A well-rounded partner in the specialised large machine tool sector and for advanced manufacturing solutions.

An integrated offering in five main areas:

- Additive manufacturing
- Composite manufacturing
- Vertical machine tools
- Horizontal machine tools
- Special machines



INNSE-BERARDI



INGERSOLL

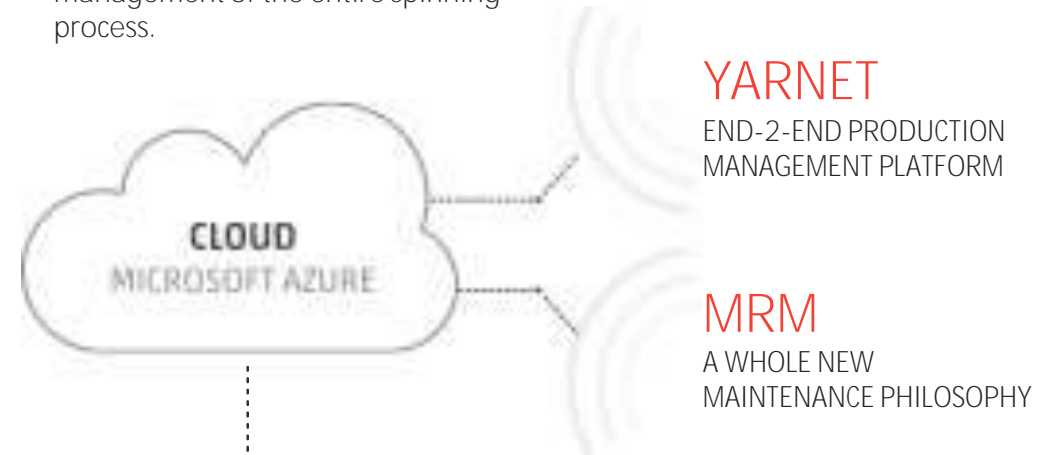
**IBNET IBRM**

CONNECTED DIGITAL  
SYSTEMS THAT ENABLE  
MACHINE DATA COLLECTION

# Textile Machinery Division

One of the largest European producers of complete lines of spinning machines. Its offering comprises systems, electronic controls, state-of-the-art management systems that enable the optimisation of spinning processes to maximise their yield.

Platforms for data-based and optimised management of the entire spinning process.



# Manufacturing Division

Comprising four companies, it operates as EPC (engineering, procurement, and construction) Contractor, providing assistance from the early planning stages and behavioural simulations up to the processing of raw materials and the machining of components, optimising the management, logistics and production processes thanks to synergies between the companies.

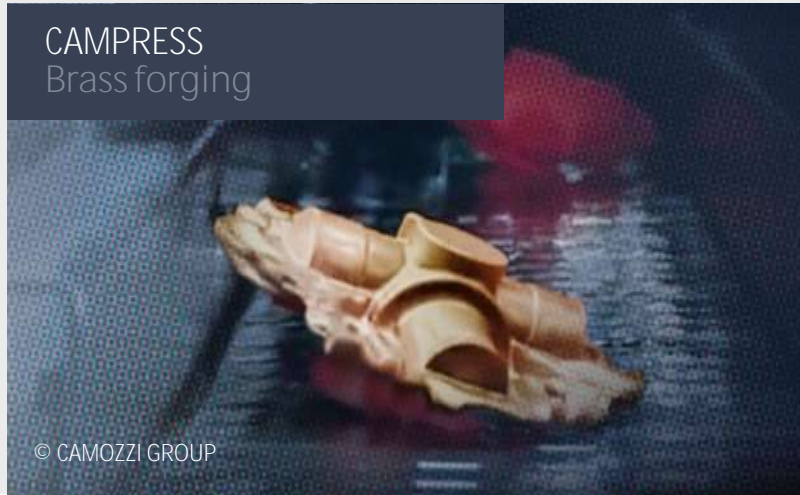


FONDERIE MORA GAVARDO  
3 business units

CAST IRON FOUNDRY  
ALUMINIUM FOUNDRY  
MECHANICAL PROCESSING



ADVANCED MANUFACTURING  
Heavy machinery



CAMPRESS  
Brass forging



NEWTON  
Metal processing

  
**MORA**  
Cast & Machining

  
**CAMPRESS**  
Brass Forging

  
**NEWTON**  
Laser Metal Cutting

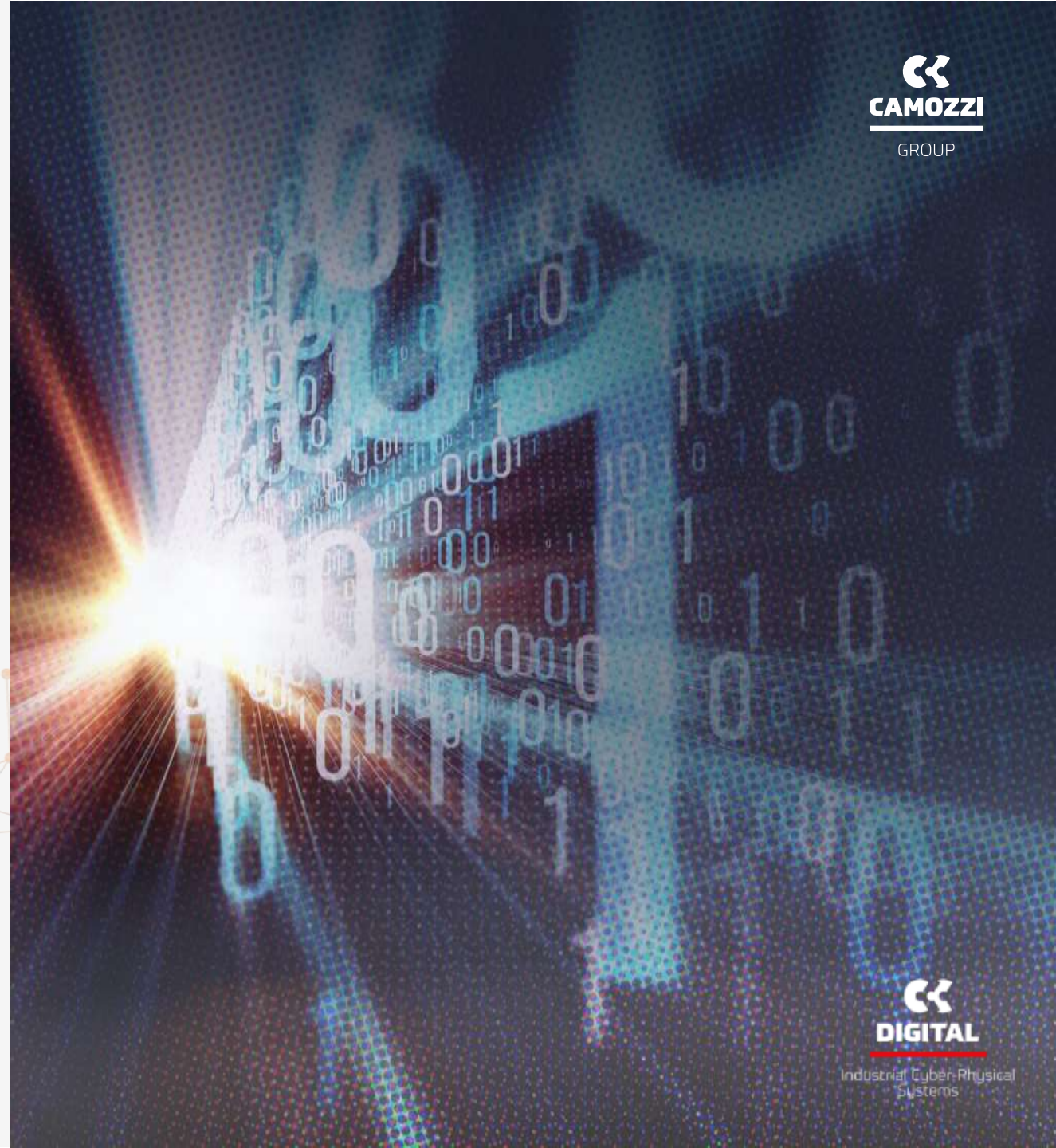
  
**CAMOZZI**  
Advanced Manufacturing

# Digital Division

Founded with the aim of supporting companies to digitalise their business and to exploit the full potential of digital innovation and IIoT solutions.

Its solutions enable customers to connect machinery, inventory and logistics systems, facilities and assets with a Cloud platform, transforming them into a cyber physical system (CPS).

The data collected by sensors in the machines are transformed into added value for the client through efficiency and savings.



# Thank you

Do you have any question?



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