

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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# SIEMENS



## BUFFOLI TRANSFER AND SIEMENS: CELEBRATING INNOVATION AND GLOBAL PARTNERSHIP

### The Buffoli Transfer and Siemens Synergy

For over seven decades, the **Buffoli Industries Group** has remained at the forefront of technological innovation, turning the dreams of its customers into reality. As **Buffoli** celebrated its 70th anniversary in 2022, it marked a milestone of creativity, innovation, and excellence in manufacturing and design. **Buffoli Transfer S.p.A.**, established in 1958, traces its origins back to 1952 when Dr. Eng. **Mario Buffoli** founded an engineering office in Brescia. This momentous occasion not only celebrated past achievements but also set the stage for future advancements, particularly in the collaboration with **SIEMENS**, a partnership that symbolizes the fusion of tradition with technological advancement.



### The Evolution of Buffoli Transfer

From its inception, **Buffoli Transfer** has been synonymous with quality and innovation (more than 40 patents). Over seventy years, it has evolved from a small engineering office into a conglomerate of facilities, offices, and international subsidiaries. This growth has been fueled by a relentless pursuit of "Solutions that make the difference", a philosophy that has driven **Buffoli** to develop rotary and linear transfer machines, multi-spindle turning machines, multi-centers, and a variety of patented technical solutions to machine metallic components with high precision and short cycle times. These innovations offer its clients unparalleled competitive advantages in terms of productivity, flexibility, accuracy, and reliability. The company's move to its current headquarters in Via Stretta, Brescia, in 1979, and its expansion in 2018, underline its commitment to growth and technological advancement. With installations in more than 50 countries across five continents, **Buffoli's** global footprint is a testament to its leadership and export prowess.



## A Legacy of Durability and Innovation

Buffoli machines are distinguished by their enduring operation, often surpassing decades of use. This resilience, augmented by continual innovation and customer collaboration, allows Buffoli to cater to a myriad of industries globally. With a robust presence in European, American, and Asian markets and support from well-trained personnel and partners, Buffoli assures superior service and assistance.



## SIEMENS is a partnership for the Future:

The collaboration with **Siemens** represents a significant aspect of **Buffoli's** commitment to using the latest technology in its equipment and services. **Siemens**, a global powerhouse in electronics and electrical engineering, provides a critical component of **Buffoli's** success advanced numerical controls and HMI systems that are integral to the high performance and precision of **Buffoli's** machinery. This partnership underscores **Buffoli's** dedication to innovation and excellence, leveraging **Siemens'** cutting-edge technology to enhance the capabilities and efficiency of its machines. Through this collaboration, **Buffoli** and **Siemens** are setting new standards in manufacturing and automation. By integrating **Siemens'** advanced control technologies, **Buffoli** is able to offer its clients not only machines but comprehensive solutions that address the complexities of modern manufacturing. This synergy is paving the way for new opportunities and advancements in the industry.

## The Trans-Bar Machine

A distinctive feature of **Buffoli Transfer** machines, known especially for the production of Trans-Bar machines, is the ability to work on parts directly from the bar, without the need to rotate the bar itself, resulting in advantages in precision, quality, and efficiency. These machines are capable of working on a wide range of diameters, from 2 mm to over 100 mm, in various materials ranging from aluminum alloys to the most resistant metals.



Thanks to various quick-change systems, which significantly reduce part changeover times, and a stable and controlled process, the overall efficiency is particularly high (up to 98%) even without operator supervision. **Buffoli** machines achieve tight tolerances, down to 10 microns, and surface roughness even lower than 0.2 Ra, when required. By being able to work with dozens of spindles simultaneously, cycle times are minimized. The control software, the autonomy of accessory devices, and the integration of advanced automation systems (**Buffoli Industries** is an official partner of **ABB**) allow for fully automated processes to produce quality parts without operator intervention for entire shifts. **Buffoli Trans-Bar-Coil** machines are capable of working both from bars and metal wire, starting from 2 mm; **Linear-Flex** machines handle long shafts up to 2 meters; **Omni-Turn** machines produce extremely complex automotive parts in a matter of seconds thanks to the integration of various vertical lathes.

## A Pioneering Sustainable Innovation and Human-Centric Technology

**BlueTechHub**, the strategic innovation arm of **Buffoli Industries**, represents the company's commitment to not just advanced manufacturing, automation, and the Internet of Things (IoT), but also to the sustainable and humanistic values at the core of Industry 5.0. This evolution reflects a paradigm where technology serves not only economic growth but also environmental stewardship and human well-being. As a crucible for pioneering thought and collaboration, **BlueTechHub** is dedicated to harmonizing cutting-edge technology with ecological sustainability, championing initiatives that reduce environmental impact and foster a more responsible manufacturing ethos. Furthermore, **BlueTechHub** prioritizes the human element of innovation—supporting projects that not only optimize productivity but also enhance the quality of life for employees and communities.

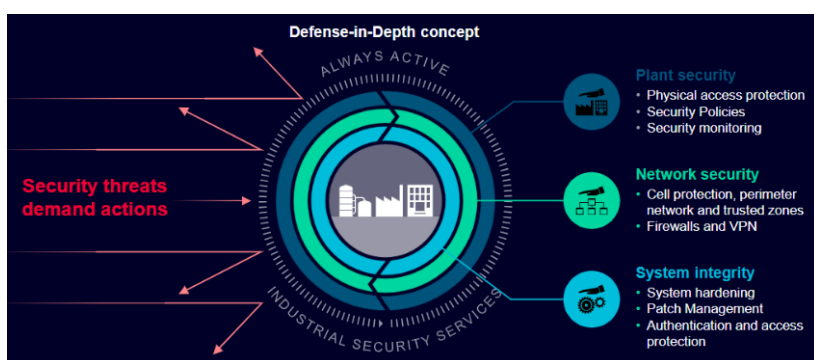
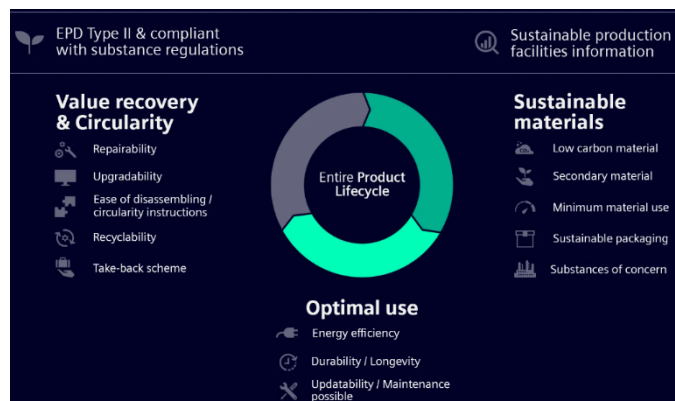
## The Collaboration with Siemens: A Technological Synergy

The partnership between **Buffoli Industries** and **Siemens** gains an additional layer of significance within the context of **BlueTechHub**. **Siemens**, a global leader in electronics and electrical engineering, provides the technological backbone that powers many of **Buffoli's** innovations. This collaboration is amplified by the initiatives and projects within **BlueTechHub**, where **Siemens'** expertise in digital technologies and Industry 5.0 solutions can be leveraged to drive even greater innovation and efficiency. Together, **Buffoli Industries** and **Siemens** are not only advancing the state of manufacturing but are also laying the groundwork for a more connected, sustainable, and innovative future. The integration of **Siemens'** advanced control technologies into **Buffoli's** machinery and systems, facilitated through **BlueTechHub**, sets new benchmarks for what can be achieved in the realm of advanced manufacturing and automation. As **Buffoli Industries Group** continues to evolve and expand

its horizons, **BlueTechHub** stands as a testament to its commitment to innovation, collaboration, and sustainability. By fostering a culture of knowledge exchange and promoting the integration of advanced technologies, **BlueTechHub** is not just preparing **Buffoli** for the future; it's shaping the future of the industry itself. The collaboration with **Siemens** further enhances this journey, marking a new chapter in **Buffoli's** storied legacy of innovation and excellence. Together, they are not merely navigating the fifth industrial revolution; they are leading it, creating a brighter, more sustainable future for all.

**SIEMENS** is a leader company in all technology areas, first developing Software and Hardware and then testing in its own production sites, with a special and precise focus on sustainability.

**Siemens** has been innovating technology with purpose for more than 176 years, solving the challenges of our time and transforming the lives of billions of people. With our DEGREE framework, we take a holistic 360 degree approach to ESG guiding us and our 320,000 people in the way we do business all around the world. With specific, measurable targets from decarbonization and diversity & inclusion, to employability and social responsibility.



### Protect the know-how and productivity of industrial companies

The growing connection between production networks and office networks as part of IT/OT integration and the utilization of the Internet of Things have many benefits for industrial companies, including digitalized processes and cross-company collaboration in ecosystems. At the same time, they also increase the risk of cyber threats. With industrial cybersecurity, **SIEMENS** enables the comprehensive protection of systems and plants. Cybersecurity for Industry ensures that your know-how

and plants are protected at all times. We rely on the multilayer Defense-in-Depth concept, which is strengthened by Zero Trust principles.

### Looking Ahead

As **Buffoli Industries Group** continues to expand its global presence and enhance its technological capabilities, the partnership with **Siemens** stands as a beacon of innovation and excellence. Together, they are not just making history; they are shaping the future of manufacturing, offering solutions that truly make a difference.

For further information: <https://www.buffoli.com/> and <https://www.siemens.com/>

The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

Contact information of Piattaforma India desk:

**Mr. Nilesh Joshi**  
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