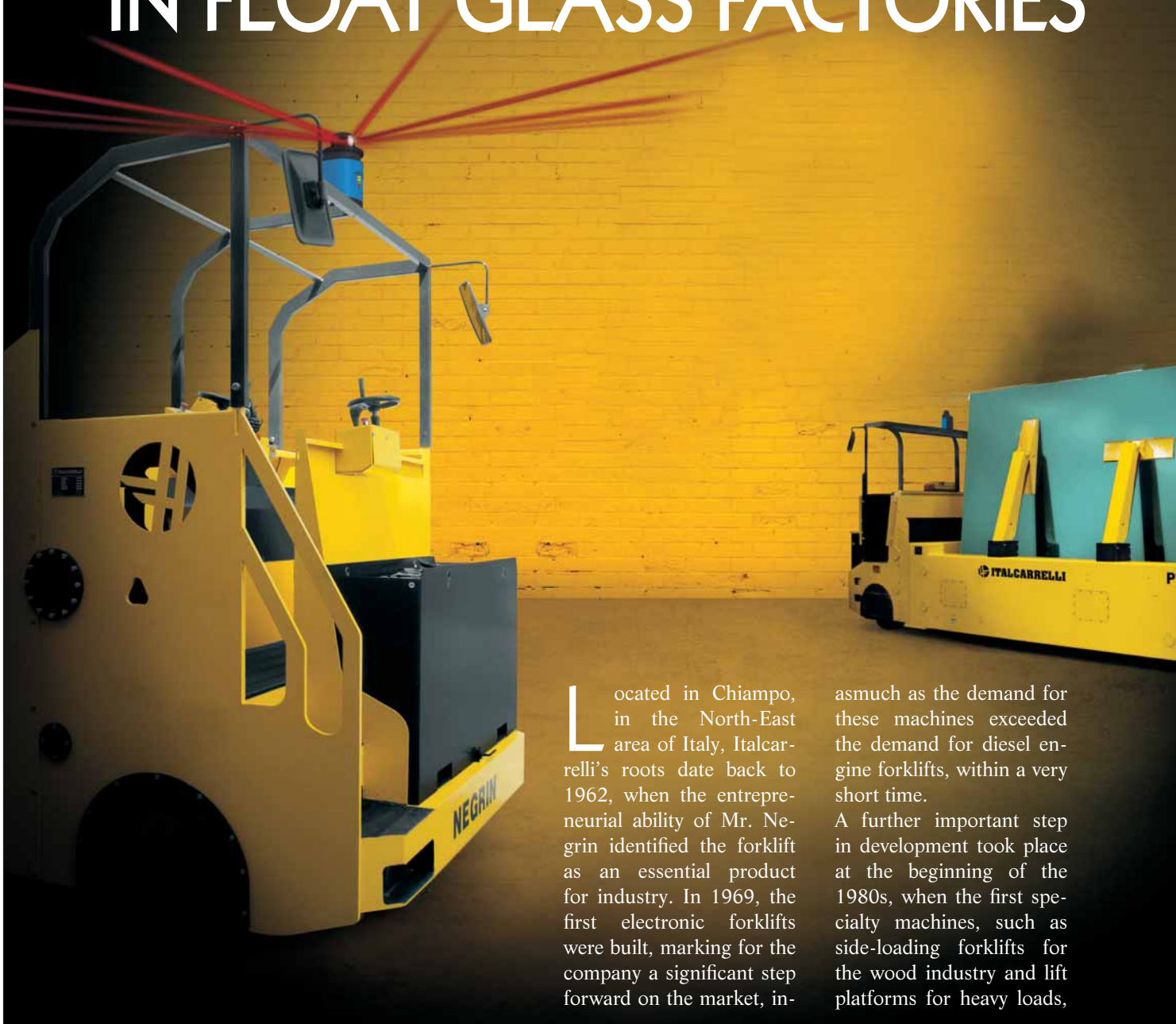


ITALCARRELLI

REVOLUTIONIZING LOGISTICS IN FLOAT GLASS FACTORIES



Located in Chiampo, in the North-East area of Italy, Italcarrelli's roots date back to 1962, when the entrepreneurial ability of Mr. Negrin identified the forklift as an essential product for industry. In 1969, the first electronic forklifts were built, marking for the company a significant step forward on the market, in-

asmuch as the demand for these machines exceeded the demand for diesel engine forklifts, within a very short time.

A further important step in development took place at the beginning of the 1980s, when the first specialty machines, such as side-loading forklifts for the wood industry and lift platforms for heavy loads,

Since its first electronic forklifts were built back in 1969 — 50 years ago — Italcarrrelli has continued to grow and develop — not only as a company, but also in terms of the technological solutions it provides to a number of industries. The company's most recent development — laser guided inloader transporters — is set to create a 'revolution' in the glass sector.

were introduced. The high level of reliability of these prototypes marked the beginning of a period of constant growth in demand in the field of special forklifts. In the same period, the company started expanding its market also beyond the national boundaries and began exporting front-loading forklifts in Europe and overseas.

From that important period up to the present, Italcarrrelli has continued to grow, developing more and more technological machines, with an important focus on the glass sector, leading, in fact, to the creation of the Italcarrrelli Glass Division. Today, this important division is totally committed to the research, development and production of special machinery for the handling of flat glass.

Thanks to important investments, the company is now a global leader, with

innovative solutions for flat glass producers and processors, thanks to the use of the most recent technologies such as optical and ultrasound sensors, touchscreen and dedicated software developed by Italcarrrelli.

Thanks once again to investments, Italcarrrelli has now developed machines without operators on board — AGV machines, ever more requested by today's market and — of course — Industry 4.0.

PTN 330 LGV LASER GUIDED INLOADER TRANSPORTERS

Italcarrrelli is now revolutionizing logistics in float glass factories by introducing Automated Guided Vehicles (AGV).

The company has, in fact, developed a series of solutions to transform its machines into automated guided vehicles, featuring inductive and optical guid-

ance systems, yet another step forward from all Laser Guided Vehicles (LGV).

Italcarrrelli's laser guidance system is an innovative and smart system that can be installed on any inloader or side-loader to turn it into a self-driving machine.

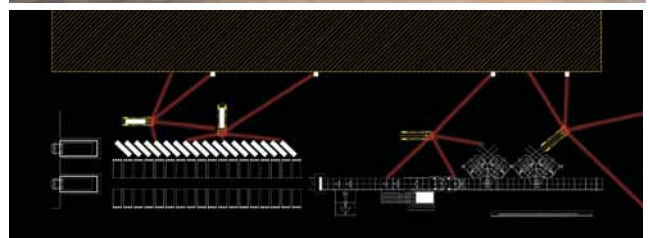
Thanks to laser guide, very high accuracy can be achieved — even more than 5 millimetres in terms of positioning.

Moreover, thanks to being extremely flexible, the routes can be easily generated, modified or extended, without particular impact



on the facilities.

AGV machines by Italcarrrelli provide optimizing logistics operations among the production lines, warehouses, the glass processing lines and shipping areas, thus increasing productivity and safety and consequently reducing production costs.



Italcarrrelli Srl

ITALCARRRELLI®
TOP HANDLING SOLUTIONS SINCE 1962

Via Monte Rosa 9 - 36072 Chiampo (VI) - Italy
Tel.: +39 - 0444 - 623393 - Fax: +39 - 0444 - 420195
E-mail: info@italcarrrelli.eu - www.italcarrrelli.eu