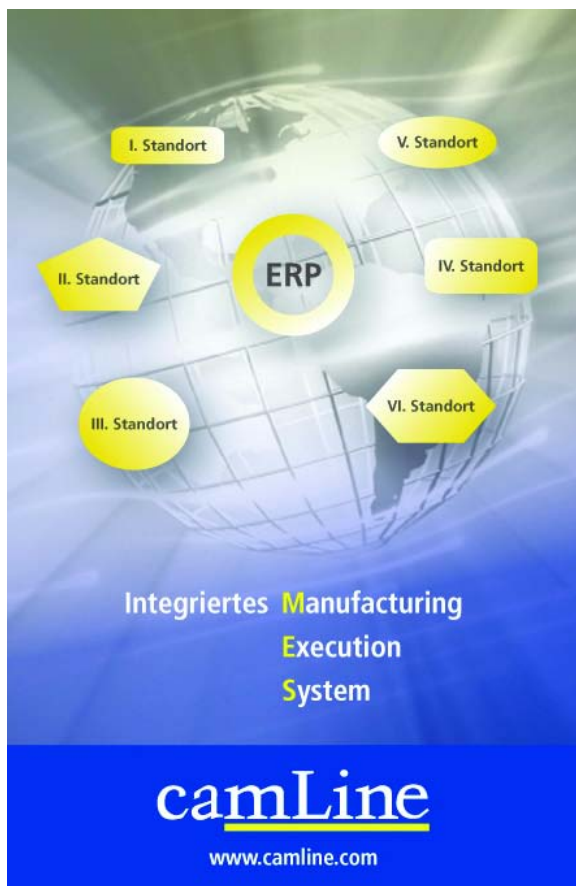


Insight into Production Automation

Innovative manufacturing constantly faces new challenges. Quality requirements rise and production plants become ever more complex. Products must have short development times to the marketplace. Today the manufacturing environment needs an extremely efficient IT infrastructure. The German company camLine GmbH distributes effective IT solutions for production automation, known as the LineWorks product family, around the world.

camLine's automation software does not simply make the complete production data available. In order to use the enormous data pool efficiently, the information must be made available in real time and with clear definition. Managers and engineers expect a fast and clear presentation of selected results.



"Nobody today has time for costly searches", says camLines vice-president Heinz Linsmaier. "we must prepare and offer exactly the required information to our customers."

Founded in 1989, camLine Datensysteme GmbH has positioned itself as a provider of high availability software systems for industrial manufacturers. The enterprise cooperates with clients from business sectors such as microelectronics, solar cell production, semiconductor production, and the automotive industry.

Over the years, the company has established associations with major manufacturers such as Infineon and Nokia. Today, with 50 members of staff on its payroll, camLine is well established in the market as a supplier of manufacturing execution systems.

"Our decisive advantage in the market is our profound know-how of production processes, tool integration, and software development", points out camLine's president and CEO, Josef Bichlmeier. "A quick and flexible reaction to changes in the market is augmented through the comprehensive, real-time supervision of production data. Our mission is the development of the necessary technology to facilitate this."

camLine's IT solutions are designed for high availability, massive data throughput and extreme reliability to meet the requirements of a 24/7 production.

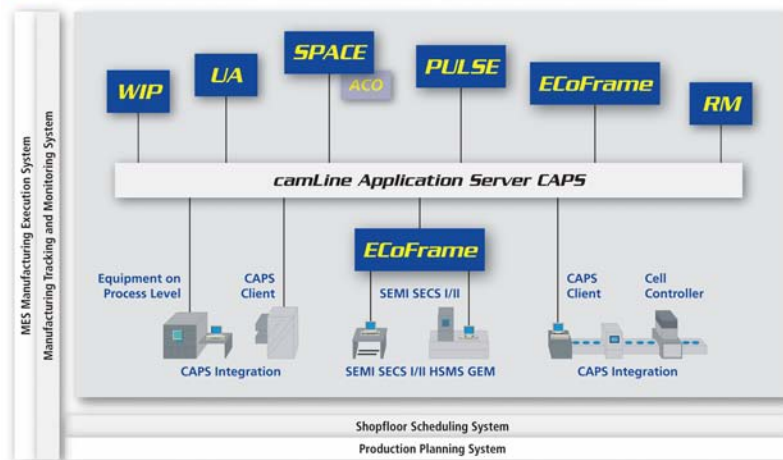
They are installed in many production areas throughout the world, and the company provides worldwide support through local distribution partners in the USA, Taiwan, Japan, and China. Clients include Dialog Semiconductor, Fujitsu, IBM, OSRAM, Bosch, Audi, and Samsung, to name but a few.

The IT concepts of camLine offer new possibilities in process control in order to optimise the production processes and make future improvements in economy and quality control. "An important objective for industrial manufacturers is to minimise operation time and to optimise facility utilisation", says Mr. Linsmaier.

"we see a promising future in Advanced Process control."

LineWorks™

MANUFACTURING TRACKING AND MONITORING SYSTEM



camLine's product family LineWorks can be used either in small-scale production lines or as an enterprise wide solution throughout all production lines. Also customized solutions can be realized by the modular structure within a short time.

"After many years of experience we are now able to provide high-quality systems that have a short integration time", stresses Mr. Linsmaier.

"Originally involved in the semiconductor and micro-electronics sectors, we have continuously strengthened our know-how, and today, we are planning to increase our focus on the automotive industry. This speaks for the flexibility of our products."