



New building – as fast and growth-oriented as the company itself

Fast-growing companies need to expand their production capacities quickly. The globally active Lapp Group from Stuttgart planned a new location for the production of cable glands and industrial connectors. The company once again found what it was looking for in the border region on Swiss soil, in Diessenhofen. Due to high demand, Lapp Kabel wanted to start production there as quickly as possible with 13 injection molding machines and also set new standards in terms of efficiency, especially in energy consumption.

IE planned a building with a solid basement and a lightweight superstructure. The steel structure with a curtain wall facade, prefabricated in the workshop, can be constructed particularly quickly. IE also opted for a square operational layout, which is both a particularly cost-effective construction solution and enables short material transport distances.

CONSTRUCTION PERIOD

- › 6 months

CONSTRUCTION SCOPE

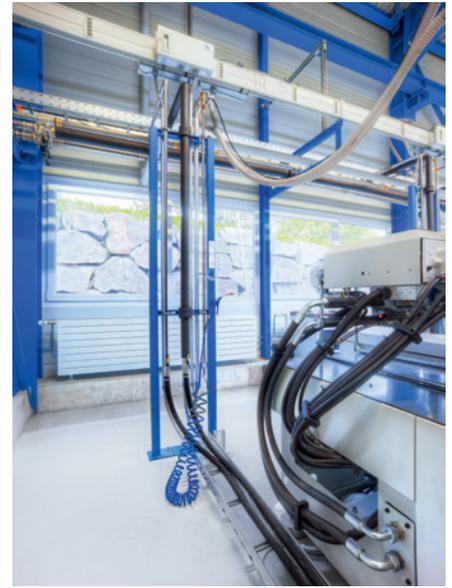
- › Floor area: ca. 2.100 m²

INVESTMENT TOTAL

- › CHF 4 million including infrastruktur and operating equipment (crane systems, warehouse, raw material conveyor system, forklifts, etc.)

IE SERVICES

- › Master plan
- › General planning
- › General contractor for implementation



Easily expandable

The injection molding machines are supplied fully automatically via a plastic granulate conveyor system. In consideration of Lapp Kabel's rapid growth, IE planned for the future expansion of production from 13 to a total of 25 injection molding machines during the concept planning phase. Logistics, building services, and the route system in the hall were designed in such a way that expansion is possible without any problems and can take place during ongoing production. For example, media connections are routed along the walls and in the ceiling area, three meters above the floor. This ensures maximum flexibility in terms of energy supply and machine layout. This is made possible by a master plan: IE described growth scenarios for the entire Lapp site and set guidelines for the phased development of buildings and infrastructure – right up to the optimal final state of the property development.

Environmentally friendly and resource-efficient

Sensitive treatment of the environment is an integral part of the corporate philosophy of the Lapp Group, which manufactures at 18 locations worldwide and employs 3,200 people. IE implemented the requirement for ecological building management in the cooling system that cools the machines, for example: the waste heat from the cooling machine is used to heat the building via a heat exchanger. Optimally designed thermal insulation and a sophisticated ventilation system ensure further energy savings.

With a total planning and construction period of just under one and a half years, IE remained within Lapp Kabel's ambitious schedule. Thanks to IE's integrated operations and construction planning, the company now has a cost-effective and efficient new building that can be expanded in three stages, thus supporting Lapp Kabel's growth course for many years to come.

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