FORMIGA P 100

The entry into the world of laser-sintering.

The FORMIGA P 100 represents laser-sintering in the compact class. With a build envelope of 200 mm x 250 mm x 330 mm, the FORMIGA P 100 produces plastic products from polyamide or polystyrene within a few hours and directly from CAD data. The machine is ideally suited for the economic production of small series and individualised products with complex geometry – requirements which apply among others to the medical device industry as well as for high-value consumer goods. At the same time, it provides capacity for the quick and flexible production of fully functional prototypes and patterns for plaster, investment and vacuum casting. With turnover times of less than 24 hours the FORMIGA P 100 integrates itself perfectly in a production environment that requires the highest level of flexibility. The system distinguishes itself also by comparatively low investment costs.

In order to optimize process flows, the technology also provides Integrated Process Chain Management (IPCM). This includes automatic powder conveying, an unpacking station and a powder recycling facility, all of which maintain dust-free as well as ergonomic working conditions. In addition to the exchangeable frame docking system, these features guarantee maximum use of the machine’s capacity. The distinctive features of the EOSINT P 395 system are the quality of the parts it produces, its productivity, high degree of automation, professional materials management, and the ergonomically designed peripherals. These features are what make the system the ideal production tool for the economical batch-size optimized manufacture of parts at all stages of the product life cycle. The system is therefore perfectly suited to an industrial environment.