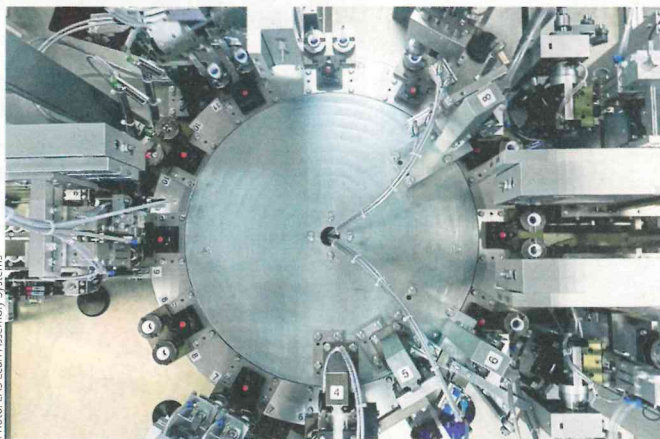


ASSEMBLY FOR THE PHARMA INDUSTRY

Comprehensive Checks are Often Required

An installation for assembling very sensitive glass pipettes can deal with a total of 30 product types with different characteristics and sizes.

The Swabian special machine constructor LAS Lean Assembly Systems in Lorch-Weitmars has designed and built, in close cooperation with the firm Sensoplast, a further installation in which very delicate glass pipettes of various lengths and designs can be assembled in large batches. Sensoplast specialises in the development, manufacture and assembly of high-quality primary packaging for fluids, predominantly for the pharmaceutical industry. Sensoplast can give good reasons for staying with LAS: not only have they had good experiences with the performance and reliability of the machines, but also with the firm's professional project management. The machines have always been delivered punctually at the agreed time and ready



The core of the installation is a basic cam-controlled Ratiocell machine with a 12-point rotary indexing table.

for use, with every specification fulfilled precisely.

The new installation assembles three parts: screw-cap, suction bulb and pipette. According to LAS, the installation had to be designed to carry out demanding tasks. It was necessary, for example, for the delicate glass pipettes, sometimes up to 124 mm long, to be fed carefully into the installation and as-

sembled. In addition, it was anticipated that a large number of variants would be processed: 30 product types of different lengths, diameters and materials. And, finally, the customer required short re-tooling times. The intended throughput was to be 120 pieces per minute.

The best response to these requirements was a basic cam-controlled Ratiocell machine

with a 12-point rotary indexing table at the core of the installation. This is preceded by feeder and separating units designed and manufactured in-house by LAS; also included are assembly and test stations.

Particularly in the pharma field, comprehensive checks are often prescribed. For example, the clean placing of the individual parts in the new machine is checked optically. After assembly, the rubber suction bulb is examined for leaks, and the small glass tubes are checked for length and completeness. The successfully tested goods are packaged in foil bags.

Built to cleanroom standards, the design of this installation concentrated on ease of operation, economical working heights, and easy access to all stations. This means that pre-tooling can be kept to under ten minutes. (hk)

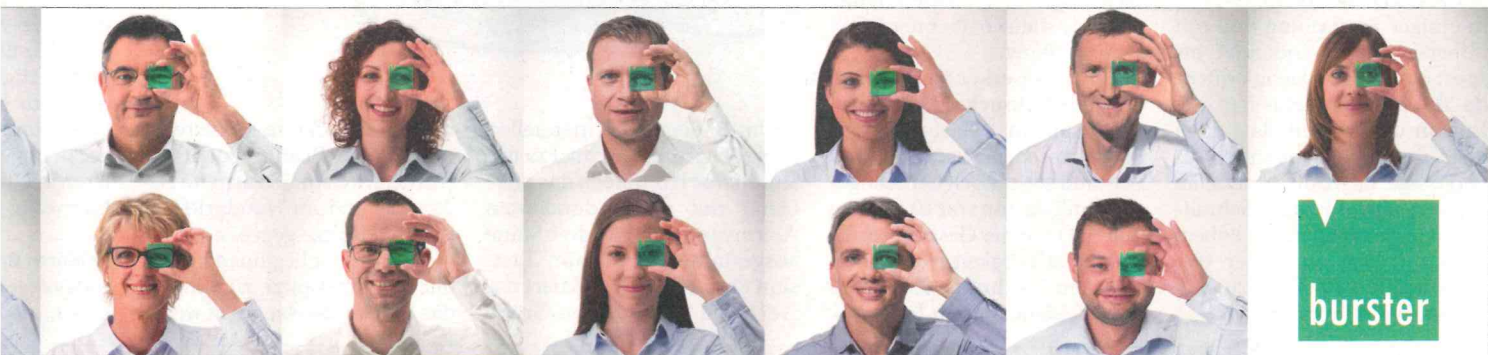
→ LAS Lean Assembly Systems GmbH, www.las-automation.de, Hall 5, Booth 5301

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