



Automated Production of Hypodermic Needles

- Highly efficient and complete system for the manufacture of hypodermic needles, including needle in a single working step
- Glueless production
- High process capability for up to 55 million units per year
- Similar products to hypodermic needles are possible

SYSTEMS TECHNOLOGY



Complete system for the manufacturing of hypodermic needles

Accelerated, Glueless Production

Z.ZYKLON designed for direct over-molding of needles or cannulas with a luer application. An adhesive for the needle isn't needed any longer by using Z.ZYKLON. The system is designed as a modular system. It combines:

- A module for the needle separation (Z.NFS, Needle Feeding System), which positions the needle precisely in a mold insert
- An injection molding machine linked to a rotary table (4- to max. 16 impression, full hot runners)
- PLC with user-friendly and flexible HMI

Facts

- Complete integration of the needle separation and injection molding
- No glue necessary/required
- Different designs of siliconization possible
- Increased velocity by the combination of production steps and automated parts handling
- High process capability through in line production
- Gauge 18G – 30G; LB 12 mm – 40 mm
- For up to 55 million units per year per cell

Complete with Needle



Additional Options

- Needle alignment
- Quality inspection
- Secondary operation

No Human Touch

Fully automated production of hypodermic needles eliminates particle contamination caused by handling.



Greater Efficiency through Integrated Automation

As far as improving production efficiency in injection molding processes is concerned, integrating the upstream and downstream working steps cannot be avoided. This is precisely where ZAHORANSKY Systems Technology's strength lies. Our specialists develop innovative concepts, modules and solutions for the integrated automation of injection molding production processes with dedication and tenacity – specifically for the manufacture of plastic products in the consumer, medical technology and cosmetic sectors.

ZAHORANSKY – PERFECTLY DIFFERENT

ZAHORANSKY AG
(Systems Technology)

Hanferstrasse 21
79108 Freiburg, Germany
Tel. +49 761 88509-0
info@zahoransky.com
www.zahoransky.com

ZAHORANSKY
PERFECTLY DIFFERENT