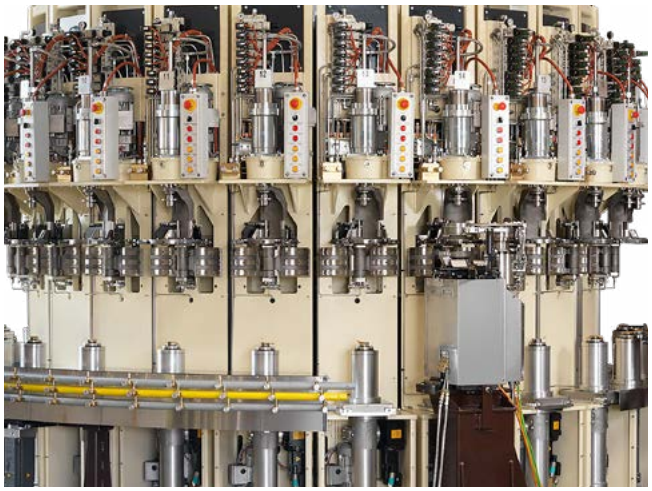
BUCHER
automation

FBC

Bucher Automation Blow Machine Control System



A constant watch on your glass mould

The FBC is designed as an „all-in-one system“ for use on rotating blow machines with up to 32 sections. It unites the machine controller and the synchronous drive on a common hardware platform. This new automation concept covers the complete requirements profile from the feeder through the glass moulding equipment to the conveyor for the finished product.

The desire to provide a controller that is suited not only for machines based on the very latest technology but also for retrofitting or modernising older lines was a top development priority. We are now optimally placed to offer our customers what they rightly expect from us as an experienced manufacturer of control solutions: a more reliable production process, higher product quality and significantly improved productivity.

Most important features

- Control and automation integration in a motion control system for up to 128 servo drives per machine
- High repeatability – the machine control system and all moulding sections communicate with one another in real time
- Transmission to the moulding sections via Industrial Ethernet using a contactless slip ring
- Event output visualised on a PC by means of a 360 degree bar chart
- Job archive for rapid storage and retrieval of job data
- Trend recording function with long-term archival of measured values
- Highest energy efficiency due to possible regenerative power feedback from the IGBTs of the drive system

Options

Connection of other plant components, e.g. fire polishing machine, power feedback from the DC link, light barrier unit for job counters, etc.

Hardware

SIMOTION D4X5-2 CPU*

SINAMICS S120 motor modules

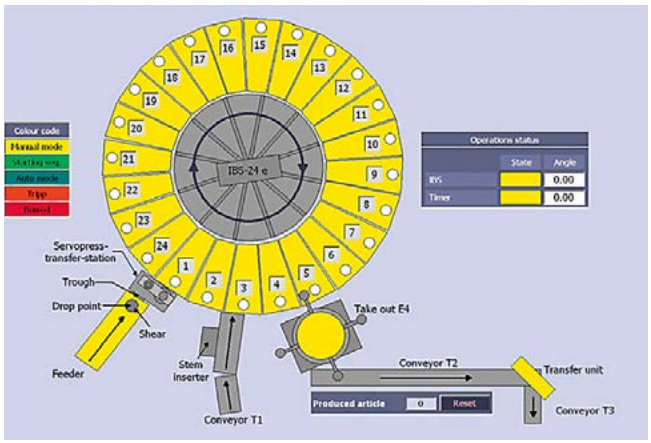
PC 677 Touch panel for visualisation

* Type varies depending on project
Latest software version is installed

Software

SIMOTION Scout 4.x *

Siemens WINCC Flexible 20xx *



Technical data

Dimensions: 2400 x 2200 x 600 mm

Power supply: 400 VAC / 50 Hz

Fuse: 250 A

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