

### Company Data

#### CONTACTS

**STEPHAN PIES**  
MANAGING DIRECTOR  
**HAMDI REGAYA**  
HEAD OF SALES  
**MICHAEL MAIER**  
**MURAT YOLACAN**  
SALES MANAGERS  
**FLORIAN PAWLOWSKI,**  
**OLIVIER ZANGAO**  
PRODUCT MANAGERS

#### PARENT COMPANY

**Bucher Automation AG**

#### QUALITY CERTIFICATION

DIN EN ISO 9001 : 2015

#### EMPLOYEES

80

#### COMPANY FOUNDED

1972

### Product Range

- **TIMING SYSTEM FOR IS MACHINES**
- **DRIVE SYSTEM FOR IS MACHINES**
- **ASDR III REJECT SYSTEM**
- **LEHR CONTROL SYSTEM**
- **EPRO UPGRADE KIT**
- **SWAB CYCLE MONITORING**
- **ELECTRONIC KEY SYSTEM**
- **VACUUM PROCESS CONTROL**
- **SOFTWARE ENGINEERING**
- **HARDWARE ENGINEERING**
- **ELECTRONIC DEVELOPMENT**
- **CONTROL CABINET MANUFACTURING**
- **RETROFIT**
- **COMMISSIONING & TRAINING**
- **SERVICE & MAINTENANCE**

### AREAS OF ACTIVITY

For more than five decades now, the South German firm **Bucher Automation Tettang GmbH** has been developing innovative and reliable controls and drives for container glass machines and equipment.

### Distributed Control System – Full Control

The **FMT24S** (Flexible Modular Timing System) is a distributed control system for IS machines with up to 24 sections. Thanks to its modern, low-maintenance bus technology, the system is fully scalable. Maximum flexibility – essential for efficient production – and high investment security are guaranteed. The FMT24S integrates easily into a manufacturer's existing IT and data structures.

### Servo Drive Technology – Synchronous Precision

Bucher Automation's servo control and drive systems provide maximum precision whenever individual motion sequences have to be synchronised in the machines. Thanks to the **FDU24S** (Flexible Drive Unit), all servo mechanisms in the feeder, shear or gob distributor can now be parametrised and monitored using a single, central control. The **PDU24S** (Pusher Drive Unit) is designed to control and drive almost any standard type of single or two-axis pusher. It ships with several innovative functions, for example an additional hold position can be configured in order to extend the bottom air (punt) cooling time. The **STO24S** (Servo Take-Out) is a control system for almost any established servo take-out mechanism. The system features include additional parameters that allow the machine operator to determine the set-down position more flexibly and more precisely than is possible using conventional controls. The **SIU24S** (Servo Invert Unit) is compatible with almost any servo invert mechanism established in the market today. Its HMI allows the acceleration and deceleration of the swivel motion to be preset individually and accurately when an article is transferred from the blank mould to the blow mould. The SIU24S moreover permits ultra-fast revert motions, so that very short cycle times are possible.

### Vacuum Process Control – Zero Defect Quality

The **VPC** (Vacuum Process Control) is an reject system that enables manufacturing problems occurring at individual sections during the vacuum process to be detected at an early stage. Overpressed blow mould seams – referred to as bird swing or bird cage – caused by glass chips between the mould halves as well as leaks in the vacuum process are just two examples here. Sensors supply data for each section on parameters such as the duration of the vacuum cycles, the increase or decrease in pressure, the maximum value and the response times of the vacuum valves. This data is visualised practically in real time on the operator terminal. The operator thus keeps a constant eye on the functionality and wear of the valves, fi lters and blow mould. In the event of deviations, they can react quickly and correct any malfunctions before they result in defects, without having to interrupt operation.

### Tableware – Dual Control and Drive Solutions

The Bucher Automation portfolio also includes automation solutions for the tableware segment. The **FBC** (Blow machine Control system) is a motion control system which combines the control and the synchronous drive for rotary blowing machines with up to 32 sections. The FBC meets the complete requirements profile from the feeder through the glass moulding equipment to the conveyor for the finished product. The **FPC** (Press machine Control system) is a modular control and drive system for rotating press machines with up to 20 sections or 32 double gobs.



Tolnauer Strasse 3-4 - 88069 Tettang - Germany

Tel: +49 - 7542 - 53070 - E-mail: info.tt@bucherautomation.com