BUCHER automation

PDU24S

Pusher Drive Unit



Control and drive systems for single and two-axis pushers

Our PDU24S (Pusher Drive Unit) is designed to control and drive almost any standard type of single or two-axis pusher from different manufacturers. Based on advanced servo technology, the PDU24S ships with a whole series of innovative functions and features. If necessary, for example, an additional hold position can be configured on the dead plate in order to extend the bottom air cooling time if necessary.

Both the single and the two-axis versions of the PDU24S integrate seamlessly into our proven FMT24S IS machine control system as an optional add-on. It can furthermore be retrofitted to any existing equipment featuring an FMT24S control system without any problem. We can also supply the PDU24S singleaxis system in a standalone version with a separate HMI independently of the FMT24S.

Most important features

- Servo control system for any standard single or two-axis pusher
- Integral drive for any pusher mechanism established in the market today
- Suitable for retrofitting to any IS machine model
- Any operating mode from single to quadruple-gob
- Simple, intuitive operation
- Multilingual HMI
- Built-in alarm and event reports
- Easy maintenance because standard components are used

Benefits

- Central control via the FMT24S interface
- Unified job database management via the FMT24S interface
- Single-axis system additionally available in a standalone version with a separate HMI
- Precise positioning of the pusher fingers
- High repeatability
- Accurate reproducibility
- Maximum flexibility in production
- Additional hold position on the dead plate
- Cost-effective solution

Technical data

Protection class	IP22 (IP54 with optional air conditioning)
Total connected load	1 kW
Power supply	400 to 480 VAC, 50/60 Hz
Power supply tolerance	±5%
Power electronics	Bucher Automation servo converter
Control electronics	Bucher Automation JetControl 365
Drive-to-PC interface	Ethernet
Operation	Integrated into FMT24S
Ambient temperature without air conditioning	max. 25 °C
Ambient temperature with air conditioning	max. 45°C (depending on model)
Relative humidity	max. 80 %

Dimensions of the PDU24S single-axis system

Steel cabinet (W x D x H):	800 x 600 x 1800 mm
Height with base:	2000 mm
Weight:	up to 300 kg

Dimensions of the PDU24S two-axis system

Steel cabinet (W x D x H)	
6 and 8 sections 10 and 12 sections	1200 x 600 x 1800 mm 1800 x 600 x 1800 mm
Height with base	2000 mm
Weight	up to 450 kg

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