

## PDU24S Pusher Drive Unit

Container glass  
production

### Control and drive systems for single and two-axis pushers

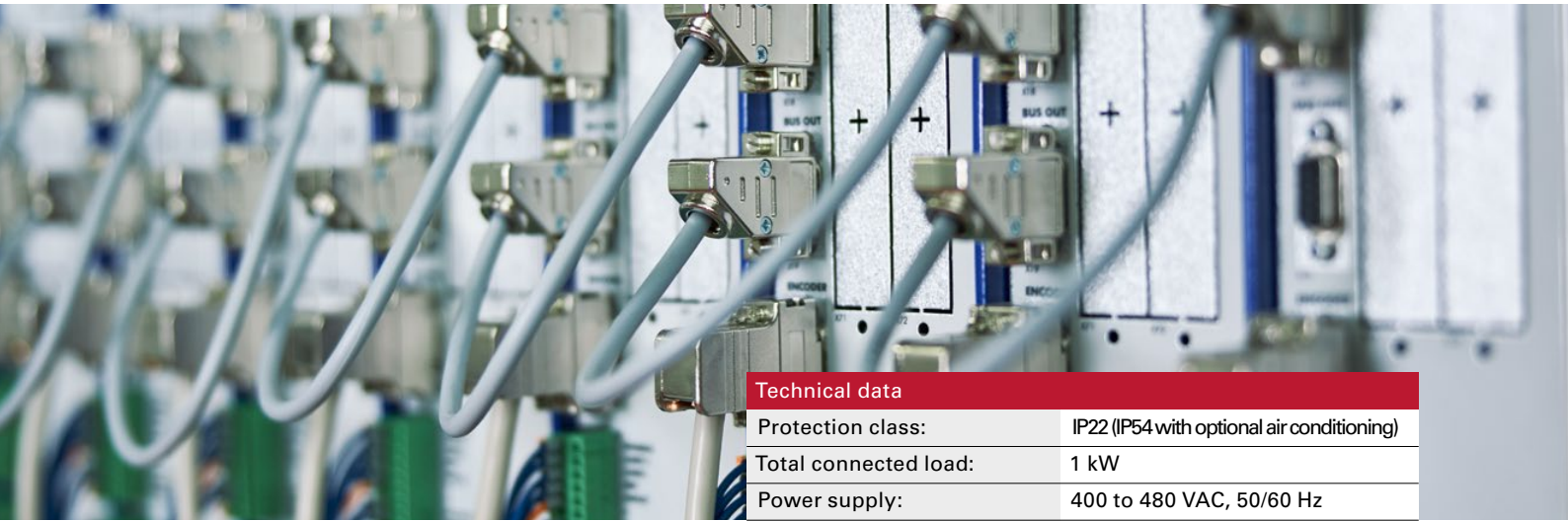
Our PDU24S (Pusher Drive Unit) is designed to control and drive almost any standard type of single or two-axis pusher from different manufacturers. Based on advanced servo technology, the PDU24S ships with a whole series of innovative functions and features. If necessary, for example, an additional hold 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 single-axis system in a standalone version with a separate HMI independently of the FMT24S.



automation in a new dimension

# PDU24S at a glance



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:	JETTER servo converter
Control electronics:	JETTER 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 %

## 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

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: 1200 x 600 x 1800 mm 10 and 12 sections: 1800 x 600 x 1800 mm
Height with base:	2000 mm
Weight:	up to 450 kg

The screenshot displays the PDU24S control software interface. It features a main parameter table with columns for sections 1 through 6. The table includes parameters such as Forward motion speed, Finger retract position, Forward motion position, Forward motion acceleration, Return motion speed, Return motion acceleration, Slow motion speed, Slow motion acceleration, Slow motion delay, and Start position. Below the table, there are several control panels for 'Finger Motion' and 'Finger Retract Delay', and a 'Position Offset' section. On the right side, there is a 'Position' graph showing a curve over time, and a 'Motion' section with various parameters like Finger angle, Retract velocity, Retract duration, Stroke rate, Gap, Clutch direction, Arm angle, Linear length, Linear end, Motion direction, and Pusher direction.