BUCHER automation

FDU24S

Flexible Drive Unit



Synchronous with precision

Our FDU24S flexible drive unit is characterised by maximum precision in the synchronization of individual movement sequences in the machine, as well as by its flexibility. Whether servo feeders, servo shears, or servo gob distributors, with the FDU24S any servo mechanism can be parameterised and monitored through a single, central control system.

The FDU24S is compatible with older Bucher Automation products such as the CIMOG or EPRO-IS machine controller as well as with controllers from other providers. But the drive system truly shows its full strength in combination with the FMT24S. The FDU24S has a modular design and is also available as a standalone solution. Existing systems can be upgraded without problems.

Most important features

- Easy expandability
- Full servo integration
- Flexible production
- Usage of additional operating data
- Function monitoring
- Flexible user authorisation administration
- Permanent replacement parts guarantee
- Ease of maintenance
- Mobile operation using the MTO (Mobile Tablet for the Operator Terminal of the FMT24S)



Technical data

Dimensions (W x D x H)	1200 x 600 x 1800 mm; Height with base: 2000 mm
Weight	approx. 250 kg
Housing	Steel cabinet (Rittal)
Protection class	IP22 (optionally IP54 with air conditioner
Overall connection power	600 W for controller plus the power for the motors connected
Power supply voltage	400-480 VAC, 50/60 Hz
Power supply voltage tolerance	±5 %
Power outage bridging	20 ms (400 VAC); 30 ms (500 VAC) for 24 V
Power electronics	Bucher Automation servo transformer
Control electronics	Bucher Automation JetControl 360
Operation	integrated into FMT24S or standalone browser user interface
Drive PC interface	Ethernet
Ambient temperature without air conditioning	max. 28° C
Ambient temperature with air conditioning	max. 45° C (depending on model)
Relative humidity	max. 80%

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