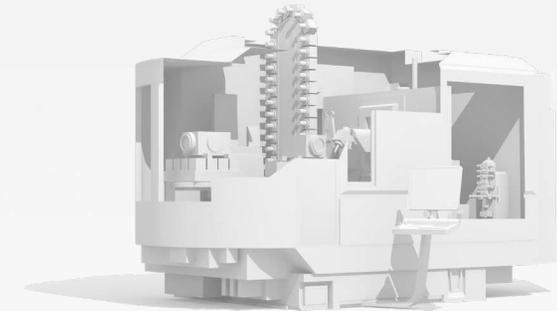
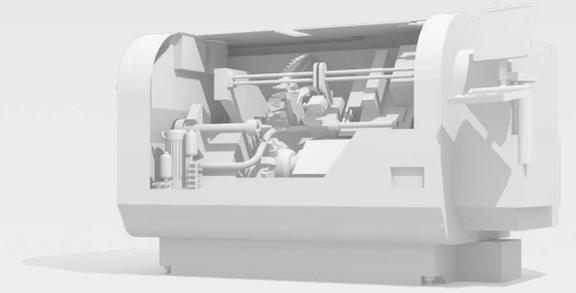
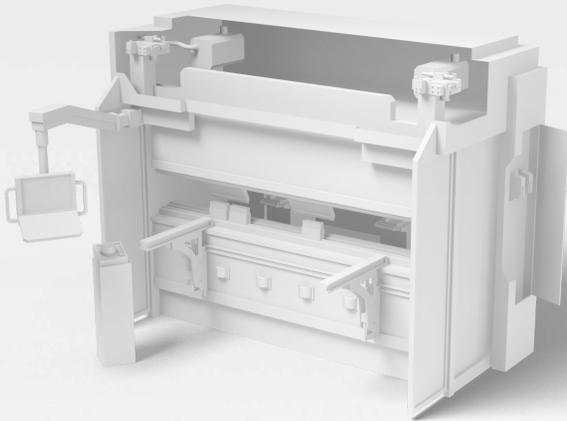


Digital amplifier EV2D

Digital amplifier EV2D –
Ready for safety-relevant machines



„Really small, this amplifier! That saves space in the control cabinet.“



„With SIL3, the amplifier as an electronic module meets the requirements for machine safety for our press brakes.“



The new standard for control in press brakes and more

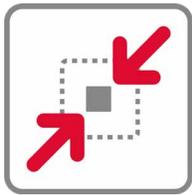
Independent controls

The EV2D proportional amplifier can control up to 4 different hydraulic valves. It converts an input signal - usually from a PLC - into a control current. Control of closed loop functions can be performed by the EV2D independently.

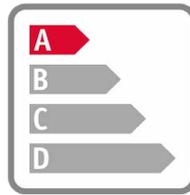
Influences of temperature and voltage supply are independently detected by the proportional amplifier through current feedback measurement at the valve outputs and regulated out. In combination with up to four parameterizable PID controllers, high-precision process functions are made possible.



Safety



Space-saving



Efficiency

Safety is not a question of attitude

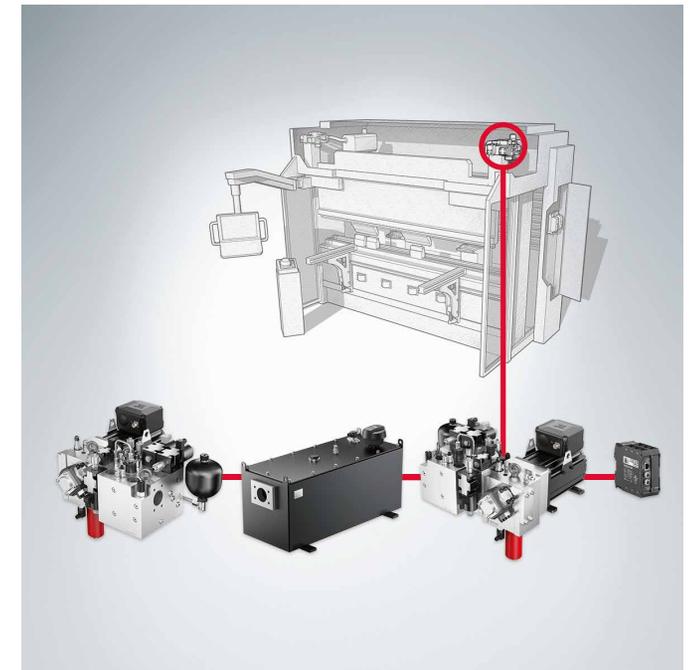
The safety function (STO) can be used to safely switch off connected actuators in the event of a fault. A costly installation of external safety components can thus be reduced. The outputs are switched off via OSSD command.

The integrated RJ45 interface enables quick and easy connection to a PC. Diagnostics and parameterization of the EV2D can be performed via PC software. Optionally, a version with Industrial Ethernet interface is also available. Via LAN or EtherCAT an integration into the control system of the machines is possible. The EtherCAT protocol also meets the requirements for particularly fast controls.



4 different versions - the right option for every application

In addition to the hydraulic controls, HAWE Hydraulik offers exactly the right electronic component with this module. Four different versions allow an adaptation to the respective machine type and its requirements. Thus, the EV2D is perfectly prepared for use in e.g. press brakes, lathes, machining centers and other machine tools.



Design variants offer flexibility

In the basic version, the EV2D proportional amplifier is equipped with 2 analog setpoint inputs. The output signals are passed on via 2 IPWM outputs. In the extended version there are even 8 analog inputs as well as 6 IPWM outputs.

The technology:



- Digital amplifier
- Control via EtherCAT, CAN or analog signals
- Up to 6 outputs
- Up to 8 analog and 2 digital inputs
- Certificates: SIL 3, UL, CE
- Protection class IP20
- Mounting via DIN-rails

Your benefits:



- Safety certificates enable shorter time to market
- Low space requirement in the control cabinet
- Different variants allow adaptation to machine type and requirements
- Ideal supplement to HAWE hydraulic controls

Your contact:



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Tel +49 89 379100-1000

info@hawe.de

www.hawe.com

Additional components for your system:



Plug amplifier

Simply plug in and parameterize and read out data with the app

- EV2S
- EV2S-BT



Amplifier cards for control cabinet mounting

Proven many times in the machine tool and industrial environment

- EV1D
- EV1M
- EV22K



IO Module

For CAN controllers in master-slave format

- CAN-IO



Electronic controls with PLd

Made for mobile machines

- ESX3CM