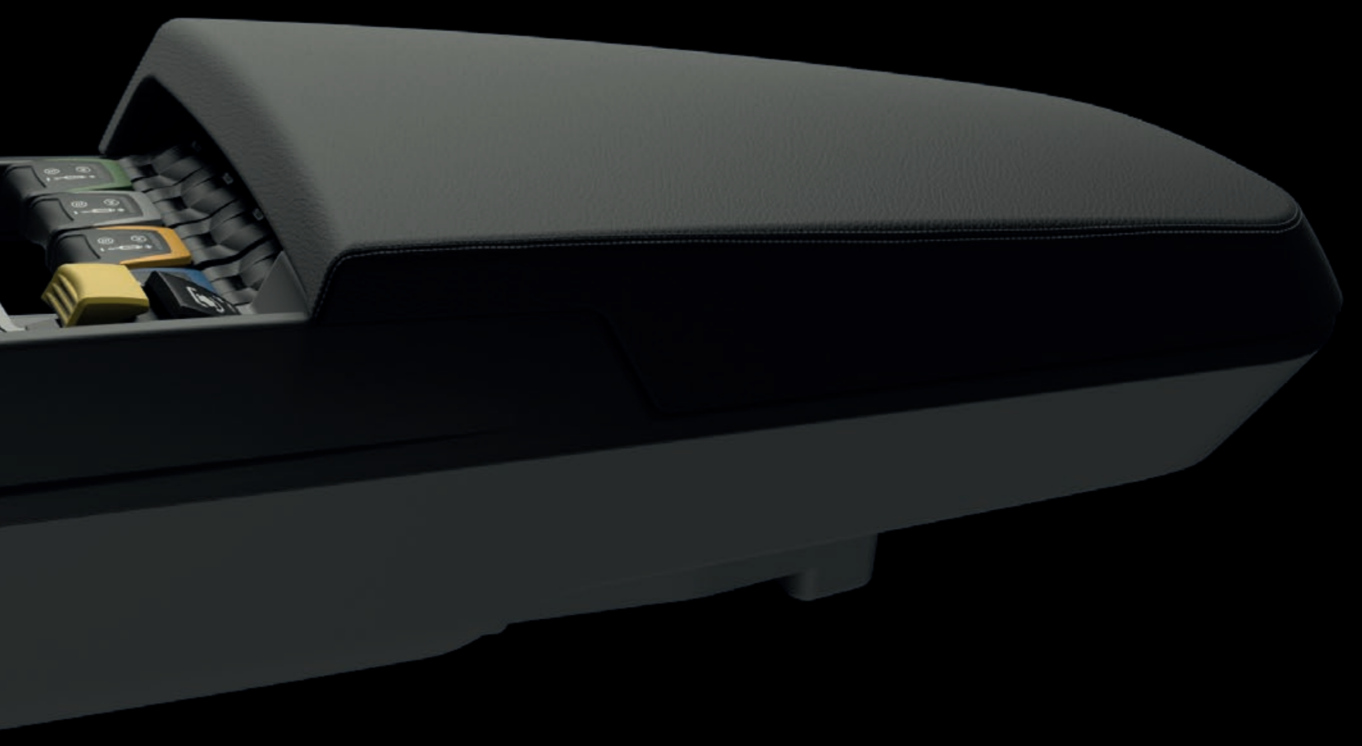
as standard

Of special benefit to manufacturers of agricultural machinery: the operating system was developed in accordance with the "Mother Regulation" (EU regulation 167/2013), and with safety level AgPL c in accordance with ISO 25119.

With the modular design principle, you can select exactly the right operating elements to control your vehicle's functions from elobau's broad range of products. The motto here is "plug and play" – your armrest will be configured to your design with standard plug connections and CAN protocol SAE J1939 so you can simply connect your armrest to the vehicle and it's ready for operation.

The armrest has been ergonomically designed for user friendliness, comfort and fatigue-free operation for the operator, and reflects elobau's 30 years of experience in developing custom operating systems. The individually and ergonomically arranged operator controls, also enables intuitive control of the vehicle functions by the operator. In addition, to fit with our goal of future-oriented and sustainable product development, the plastics used for the modular armrests are 75 % bio-based.

Need an operating system designed to fit your needs? Choose the elobau modular armrest 225MA midi.



The company

As an expanding, globally active, family-run foundation company with more than 950 employees, we develop and manufacture sensor technology and operator interface controls for the industrial machine and off highway vehicle sectors. Our high-quality products are characterised by a high vertical range of manufacture and are manufactured in a carbon-neutral manner in Germany. With our innovative, non-contact sensor products, we support our customers worldwide in manufacturing industrial machines and vehicles that set standards in terms of performance, operator comfort, safety and quality.

Your global partner.

Select your sales contact at:

www.elobau.com ▸ Contact

made in Germany

no CO_2 We produce in a carbon-neutral manner.

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elobau

creating ***sustainable*** *solutions*

Modular armrest 225MA midi

Customised

With the new modular armrest 225MA midi, elobau sets a new standard on the world market. This premium product opens up entirely new possibilities for all manufacturers of mobile machines who are no longer satisfied with their existing operator controls.

State-of-the-art technologies and perfectly ergonomically designed operator controls have been the standard to achieve for all manufacturers of mobile machinery for years. With this configurable, multifunction armrest, everyone can benefit from our long term expertise in the areas of functionality, ergonomics and design. Carefully developed and intensively tested operating elements, which have been satisfying the expectations of the most demanding customers for years, can – thanks to the innovative, modular design of the new armrest – now be arranged to create a custom operating system for the functions required for the respective vehicle model. Individual variants can be manufactured without any additional engineering and tooling costs.

Always in control:

the operating system that adapts to your machine

JOYSTICKS & HAND THROTTLE MODULE

1 Heavy duty joystick and joystick handle

The heavy duty joystick is available with various mechanical modules, and whether you choose no-detent / detent, with friction brake, and whether single or dual-axis – with this joystick you can optimally perform all of your machine functions.

The ergonomic design of the joystick handle is specially shaped for the right hand to enable fatigue-free operation. The push buttons and thumbwheel switches are provided with night illumination. The buttons are available in various colours and with different symbols; and the thumbwheel switches also come in a range of colours. This ensures efficient and reliable operation of all machine functions. A capacitive presence detection system to prevent unintentional actuation is also optionally available with this joystick. The two channel design of the analogue signals, combined with the Namur wiring of the push buttons, means safety level AgPL c is achieved. The installed electronics are extremely durable, thanks to the Hall sensor technology used for the joysticks, thumbwheel switches and push buttons.

The combination of heavy duty joystick and joystick handle is ideally suited for performing driving functions.

2 Compact joystick with new handle

The newly designed compact joystick handle also enables fatigue-free operation and is a unique combination of function and ergonomics. It can be configured with up to six push buttons or with four push buttons and one thumbwheel switch, and ensures the precise operation of front-end loader and other hydraulic functions. All the operating elements can of course be individually configured with this joystick as well, and also offers the safety level AgPL c.

3 Hand throttle

The hand throttle is designed for controlling the engine speed. The inlay in the top cover is available with a choice of symbols for clearly marking the function. Alternatively, three nano push buttons could be installed instead of the hand throttle.

OPERATING UNIT MODULE

1 Push buttons

The push buttons can be assigned to functions such as all-wheel drive or differential lock as required. Thanks to Hall sensor technology, the push buttons are extremely durable. The button inlays are available in various colours and with abrasion-resistant, back-printed symbols as well as with function and night illumination.

2 Encoders

The encoder push button module is ideally suited for navigating the display control menu.

3 PTOs

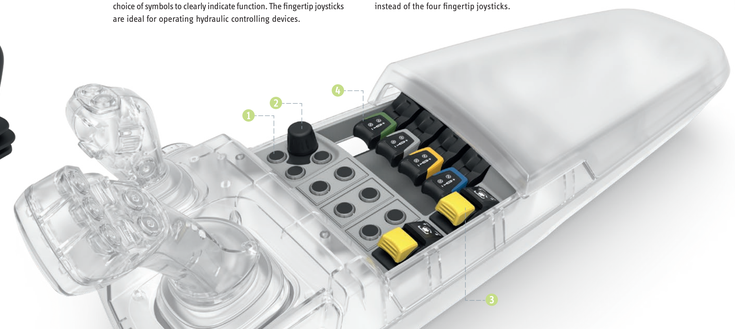
Power take-off push button for safely switching the PTO shaft on and off: the PTO shaft can only be switched on by intentionally unlocking the push button. It is available with function and night illumination as well as with clear, standard-conforming symbols.

4 Fingertip joysticks

The fingertip joysticks have been designed with angled actuators and a soft touch finger rest for maximum operating comfort and user-friendliness. The actuator caps are colour codeable and with a choice of symbols to clearly indicate function. The fingertip joysticks are ideal for operating hydraulic controlling devices.

5 Flat operating unit module

The modular design of the armrest allows the use of a wide range of module inserts. For example, an alternative, flat module insert with four additional shafts for push-button modules can be used instead of the four fingertip joysticks.



- Sustainable: 75 % of the used plastics are bio-based
- Safe: Safety level AgPL c (ISO 25119)
- Practical: Storage compartment with USB charging socket for smartphones
- Conforms to standards: Mother Regulation compliant (EU 167/2013)
- Plug & Play: CAN bus (SAE J1939)
- Clearly designed: Colours, symbols, and function and night illumination

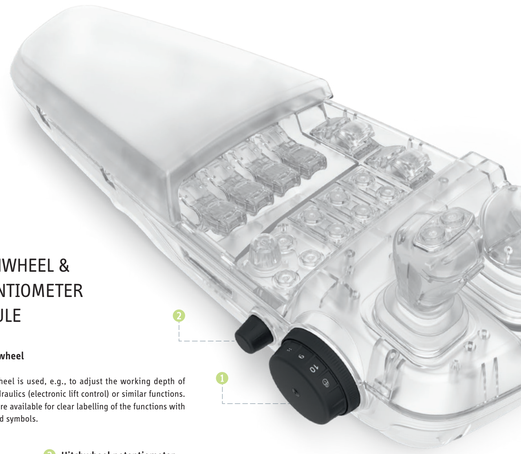
ARMREST & STORAGE COMPARTMENT MODULE

1 Armrest

The armrest is padded for the comfort of the operator, but as it is covered with organically produced high quality apple leather, it is also sustainable and environmentally friendly. It is as durable and hard wearing as chemically produced cover materials, but is also free of harmful plasticisers.

2 Storage compartment under the armrest

The storage compartment contains even more operating elements for additional functions; up to four additional push buttons and up to three additional potentiometers are available as well as a USB socket for charging smartphones. The rear end of the storage compartment is provided with a cable opening to allow a smartphone to be positioned in a holder in the operator's field of view and charged simultaneously.



HITCHWHEEL & POTENTIOMETER MODULE

1 Hitchwheel

The hitchwheel is used, e.g., to adjust the working depth of the rear hydraulics (electronic lift control) or similar functions. The inlays are available for clear labelling of the functions with standardised symbols.

2 Hitchwheel potentiometer

An additional potentiometer can be used, e.g., for the position and tension control of attachments, such as a plough.

CONNECTION FIELD MODULE

1 Connector connection

Convenient and direct connection via connectors integrated in the housing. The signals of all operating elements are collected as standard on the motherboard in the armrest and are communicated to the outside via CAN bus using a 6-pole Tyco Junior Power Timer.

The armrest can be equipped with two additional connectors of the same type. These are a 12-pole and a 15-pole connector. Output signals, such as the driving function or the PTO function, can then optionally be wired directly to the outside.