

MOONS' MDX+

MOONS'
moving in better ways



MOTION
ELTREX

Moons' MDX+

The MDX+ Integrated Servo Series is a family of low-voltage servo systems that integrate a servo drive, motor, and encoder all into one package.

THE INTEGRATION BRINGS MANY ADVANTAGES IN TERMS OF COMPACTNESS, RELIABILITY AND ECONOMY:

- Reduced wiring
- Simple implementation with the driver directly qualified to the motor
- Reduction of space
- Higher protection against electromagnetic disturbance

MDX products have the special advantage of reduced length thanks to the installation of the driver above the engine.

SOLUTIONS WITH POWER OUTPUT OF 100, 200, 400 OR 550W ARE AVAILABLE

MDX+ products can be controlled by different methods:

- Digital inputs: Pulse&Dir, CW/CCW, and closed-loop encoder
- RS-485 connection
- Fieldbus: CANopen, EtherCAT, or Modbus/RTU

MDX CAN BE PAIRED WITH:

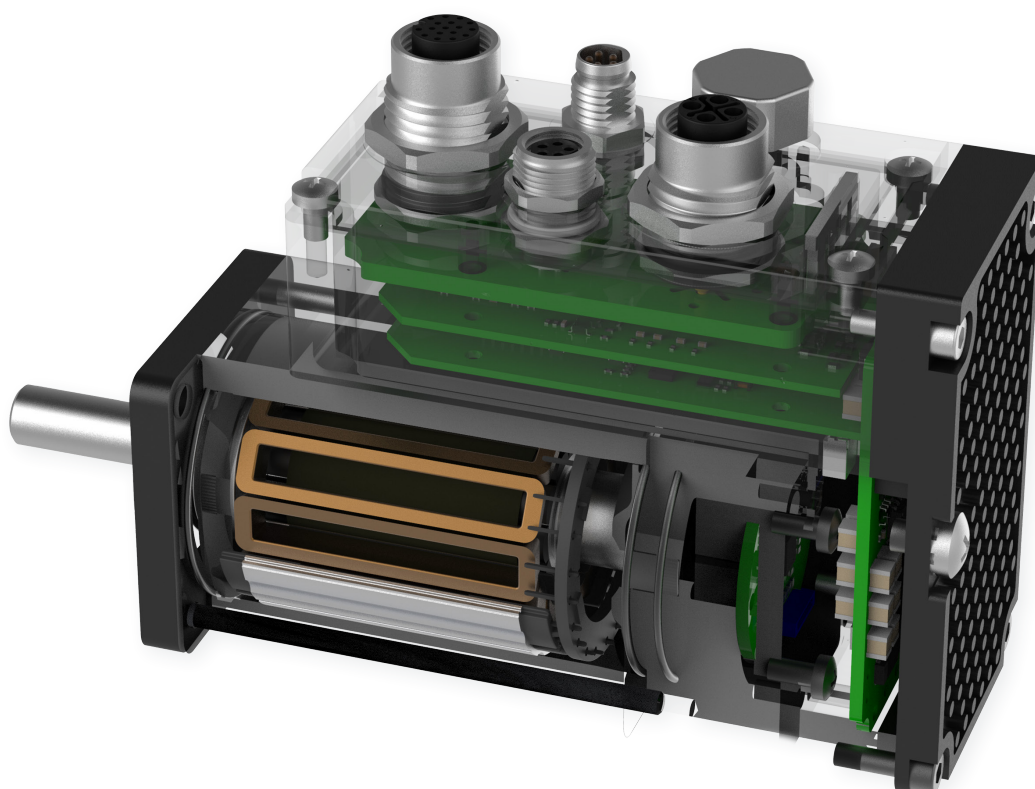
- Electromagnetic brakes
- Different gearbox technologies
- STO system to meet new safety standards.





SPECIFICATIONS

Encoding	17-bit magnetic incremental encoder 17-bit batteryless absolute encoder
Main power	24-60 VDC (24V recommended) Auxiliary voltage 24 VDC
Power range	100 ~ 550W
Sizes	40/60/80mm
Fieldbus protocols	EtherCat, CANopen, Modbus/RTU
Rating	IP20 or IP65
Brake	Built-in brake option available STO built-in (model dependant)
Ambient temperature	0-50 degrees C
Humidity	10 ~ 85% RH or less
Altitude	< 1000 m
Certifications	CE





Eltrex Motion is a specialist in drive and positioning technology. We provide high-quality parts, services and complete solutions for the equipment and machine building industry in the Benelux. Your application requirements are the priority. Our clients are active in a wide range of markets: from agriculture to medical, from equipment construction to semiconductors, from transport & logistics to aviation & defence. Eltrex Motion is part of the internationally

operating Eight Lakes group. With operations in Belgium, the Netherlands, France, Taiwan, Denmark, Sweden and Norway, annual sales in excess of EUR 170 million, and more than 320 employees, the Eight Lakes group is committed to being the preferred supplier of products and solutions to the industrial and professional markets in Europe. The group's headquarters are located at the Minervum business park in Breda, the Netherlands.

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