

Servo converters and servo motors

can deliver best performance only if they match perfectly.

That's why NOVOTRON offers both! We've got high-class servo motors for any purpose. And we've got digital servo converters of outstanding quality, which excel because of their small design and low weight and because of the unprecedented functionality and reliability they offer.

It takes more to persuade you? Ok, then you may be convinced by the fact that NOVOTRON has more than three decades experience in automation technology. Get to know our philosophy, our ideas and our know-how – and let your automation requirements be a challenge for you and us!



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NOVOTRON
Future in Drives

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**Extreme versatility:
NOVODRIVE servo converters
for synchronous servo motors,
high-torque and linear motors**

ND41 bis 230 V

Rated current 2 - 7 A
Peak current 4 - 14 A

**ND41 im 1-Achs-
Kompaktgehäuse**

ND42 bis 400 V

Rated current 5 - 10 A
Peak current 10 - 20 A

**ND42 im
Kompaktgehäuse**

**ND43 im Kompakt-
gehäuse bis 480 V**

Rated current 25 - 30 A
Peak current 50 - 60 A

NOVODRIVE SPS

PLC add-on with motion
control beside ND41

NOVODRIVE SPS

PLC add-on

**Perfectly matched:
brushless servo motors,
high-torque motors,
and linear drives**

NHDM series

extremely compact and dynamic
stalled torque: 0,48 - 25 Nm
max. torque: 1,15 - 85 Nm

NHR/NHRS series

highly dynamic on all power levels
stalled torque: 0,2 - 67 Nm
max. torque: 0,74 - 210 Nm

NHJ series

runs smoothly also at low speed
stalled torque: 3 - 67 Nm
max. torque: 11 - 240 Nm

NSTM

high-torque drives made to measure
stalled torque: 1,12 - 620 Nm
max. torque: 5 - 820 Nm

NSLM

linear direct-drive unit
nominal force: 170 - 800 N
max. force: 340 - 1725 N

Motion Control in perfection

is offered to you by the NOVODRIVE ND40 series of servo converters. To meet automation requirements of utmost complexity, we have equipped our devices with technology that allows for unparalleled dynamics and accuracy.

Or is motion control primarily a matter of **drive integrated PLC functionality** to you? Then we can be your partner, too! By means of the NOVODRIVE ND40 PLC add-on, our NOVODRIVE servo converters can be upgraded cost-efficiently to work as full-blown, compact drive controls.

NOVODRIVE servo converters are available for **amperage ranging from 2 to 20 amps**. The functional range comprises

- integrated sequencing control with up to 128 stored parameter sets,
- 50 permanently available operation modes, from analog setpoint setting for speed to various positioning modes (among them, absolute positioning with setpoint ramp),
- immediate switching of operation modes for increased machine cycle times,
- field-weakening operation for high speeds when working with high-torque motors,
- support of ENDAT 2.2 absolute-measuring systems,
- Profibus/CANopen interfaces for PLC connection and programming according to the international SI standard.

Last but not least, we can guarantee time-saving and trouble-free start-up of our devices – thanks to a user-friendly, comfortable Windows based software including 4-channel oscilloscope.

You would like to know more about NOVOTRON?

Just call us at +49(0)7141/2969-0 or visit us online at www.novotron-online.com

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