



PROA

**NOVOTRON**

Future in Drives

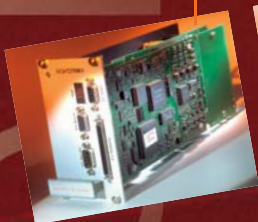
**Extreme versatility:  
NOVODRIVE servo conver-  
ters for synchronous servo  
motors and linear motors**



**ND31**

230 V, Rated current 2 - 12 A,  
Peak current 4 - 24 A

**ND31 in the single-axis  
compact case**



**ND32**

400 V, Rated current 5 - 20 A,  
Peak current 10 - 35 A

**ND32 in the  
compact case**

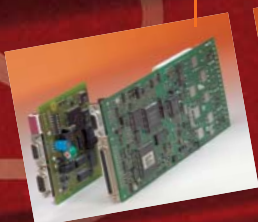


**ND41-HSM**

**Top-hat rail mounted module**

230 V, Rated current 2 - 12 A,  
Peak current 4 - 24 A,  
EnDat 2.2 (option)

**ND41 in the three-axis  
compact case**



**ND30-SPS** PLC add-on with  
motion control beside ND31

**ND30-SPS** PLC add-on

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



### **NHDM**

extremely compact and dynamic  
stalled torque: 0.48 - 25 Nm  
max. torque: 1.15 - 85 Nm



### **NHR**

highly dynamic on all power levels  
stalled torque: 0.2 - 67 Nm  
max. torque: 0.74 - 210 Nm



### **NHJ**

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 units  
nominal force: 170 - 800 N  
max. force: 340 - 1725 N

## Motion control in perfection

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

Is motion control primarily a matter of **drive integrated PLC functionality** to you? Then we can be your partner, too! By means of the ND30-SPS 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 in **various power levels**, ranging from 0.5 to 10 kW. The functional range comprises

- NOVOBUS (RS 232, RS 422), CAN bus (NOVOTRON protocol, CANopen), Profi bus; alternatively, setpoint setting is possible over +/- 10 V or step-direction signal
- table interpolation (on-board trajectory curve memory),
- fine interpolation if setpoint is set over CAN bus,
- interpolation for sinusoidal encoder,
- auto adjustment of commutation position,
- synchronization of several servo converters.

As pure software options, we can offer you our NOVOMERIK positioning control and a sequencing control. And if you intend to retrofit and upgrade your machines, we can offer a real alternative in terms of avoiding risky drilling operations in switch cabinets: our NOVODRIVE servo converters are also available as top-hat rail mounted modules. No drilling, no splinters!

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

### **You would like to know more about NOVOTRON?**

Just call us at 0049-(0)7141-29690

or visit us online at

**[www.novotron-online.com](http://www.novotron-online.com)**



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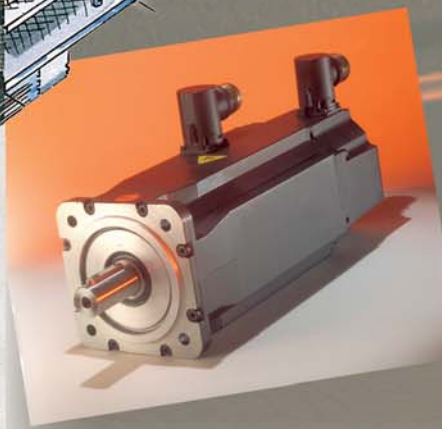
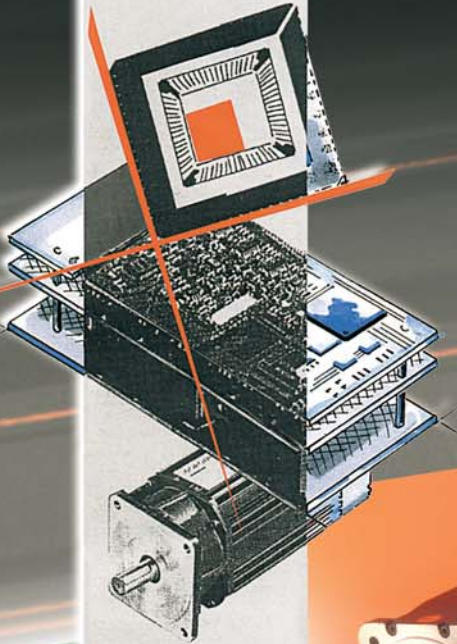
# Servo converters and servo motors

are capable of providing best performance through smooth interaction only if they match perfectly.

NOVOTRON offers them both! We got high-class servo motors for any purpose, and digital servo converters of outstanding quality, excelling both with regard to their small design and light weight, and with unprecedented functionality and reliability.

Are you in need of sophisticated solutions for complex tasks? If so, we can help you with our expertise resulting from more than 25 years experience. Listen to our ideas and test our know-how! Let your automation requirements be a challenge for you and us!





NOVODRIVE  
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NOVOBUS  
NOVOCHIP  
NOVOMOT

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