

mechapro Stepper Motor Newsletter (Issue 1/2018)

Topics in the newsletter 1/2018:

- 1.) Application report: CNC control with smOOver.drv
- 2.) Company Holidays during Easter
- 3.) Current offers in our Shop – New limited series of our 19" system
- 4.) New application notes on stepper motors

- 1.) Application report: CNC control with smOOver.drv

For several years now, the company Stepcraft is successful with their affordable desktop CNC machines. Mechapro developed the integrated controller used in these machines. When Stepcraft started to develop a new, larger series of machines, they again relied on the competence of mechapro. Based on our motor driver module smOOver.drv, we were able to develop a customer specific solution for motors up to 4A/phase in very short amount of time.

The new machines called Q-series are launched in April on the model making fair "Intermodellbau" in Dortmund. Take the chance to see for yourself at the both of Stepcraft (hall 7.A38), the outstanding features of our controller based on the smOOver.drv technology. The fair takes place from 19th to 22th of April in Westfalenhallen Dortmund.

A first teaser video and technical data of the new machines are available online:

<https://www.stepcraft-systems.com/produkte/cnc-systemuebersicht>
<https://www.stepcraft-systems.com/produkte/q-serie>

- 2.) Company Holidays during Easter time

Our office will remain closed during the Easter Holidays from 24.03. to 08.04.2018. Incoming orders and requests will be processed after our Holiday. Thank you for your understanding.

- 3.) News and current offers in our Shop – New limited series of our 19" system

By popular request we manufactured a small series of our backplane boards again. The backplane is used in 19" rack systems as a basis for stepper motor controllers in 19" technic with limited wiring effort. The board offers similar functions as a breakout-board (BOB) or our interface boards. Our power supply "Netzteil.pro" and our stepper driver "HP-Step.pro" are designed to be fitted into the backplane's connectors. The backplane was manufactured in limited quantity. We supply it only as long as our stock remains!

<https://www.mechapro.de/shop/Sonstige-Schaltungen/Rueckwand-Platine-Backplane::126.html>

<https://www.mechapro.de/shop/Schrittmotor-Endstufen/Einzelachsen-Takt-/Richtung/HP-Step-pro-1-Kanal-4A-Mikroschritt-Endstufe::135.html>

For our products smOOver.drv, Tiny-Step, HS-Opto and the UDP-30 adapter by LAM we designed an environment-friendly and stylish packaging, to make sure the products are shipped safely to you.



To increase security at online shopping, we changed the protocol in our web shop and on the other pages to encrypted https communication.

Prices are meant including German VAT (19%), shipping costs are not included. Offers valid only for orders placed on our web shop!

4.) New application notes on stepper motors

Our application notes on selecting the best stepper motor and motor driver for your application have been revised. The PDF "Schrittmotor-Grundlagen" explains the most important technical data of stepper motors. In the document "Schrittmotor-Steuerungen" we cover the relevant features of stepper motor drivers in general. The document links to additional information. At the moment, both documents are available in German only.

<https://www.mechapro.de/pdf/Schrittmotor-Grundlagen.pdf>

<https://www.mechapro.de/pdf/Schrittmotor-Steuerungen.pdf>