

## Newsletter November 2009

Dear customer,

The SPS/IPC/Drives is just around the corner and Rotek also has news to report. In this newsletter we would also like to introduce you to another employee, who works at our company for your success.

In November it is Ernst Grube. He has been supporting us in technical sales since 01.06.2008 and is a very competent contact person for our customers thanks to his long experience in electrical engineering.



Previously he was responsible for the documentation of the CH-53 helicopter at Rheinmetall Defence Electronics. He obtained his practical experience in electrical engineering during his 35-year spell as a service technician at KEHA / Autoflug for the Breguet Atlantic BR1150 flight and tactics simulator in Nordholz. He gained his education as a radar mechanic and ground radio mechanic during his term of service as a soldier. Even before his time in the army he had studied to be a radio and television technician.

He loves motor sport and in the 70s and start of the 80s even had a national license and took part in rallies, not just in the area of Northern Germany, but also at Hockenheim and the Nurburgring. Nowadays travelling around Germany and classic car rallies are on the agenda for him.

## ROSYNC now available with an electromagnetic brake

For the benefit of highly smooth operation and efficiency, the normal self-holding torque of the synchronous motors is widely omitted in the development of the ROSYNC when there is no power supply. As there are also applications where locking torque is not desired, ROTEK has now developed a magnetic brake for it.



Its advantage compared to electrical and mechanical brakes is the complete absence of wear and tear and its reliability. Additionally no extra electrical connection is necessary for the brakes. It has the same diameter as the motor and is thereby only 22mm longer. This is another advantage if only limited installation space is available. Its holding torque is 6 Ncm.

With gear motors the holding torque is increased considerably depending on the selected transmission. Even price-wise this solution is good value, because it is generated from the ROTEK modular construction system. The brake is available for all ROSYNC models with a side lead design (no terminal box).

## Worm gears now fit all SPG motors

For all induction and DC motors in the standard product range, the Korean manufacturer SPG (Sung Shin Precision Geared Motors Ltd.) also offers Worm gears. They are used wherever a force transfer of 90 degrees is needed. As a result motors can be mounted at a right angle to the device axis, thereby saving space.



Another advantage of spur gears is the highly smooth operation and the self-locking at high transmissions. A brake is therefore not necessary in most cases. The gears are supplied in three sizes in hollow shaft and solid shaft design.

They have an efficiency factor of 50-68 percent and gear ratios of 3:1 to 180:1. Depending on the motor output (25-90 W) the maximum permitted torque ranges from 8 Nm to 20 Nm. All gears are supplied in high-value industrial quality.

## „Good-value and reliable“ – a user report about ROSYNC in :K magazine

Fimatech Industrietechnik in Rehling near Augsburg produces tailor-made linked conveyor belt systems, which can be flexibly adjusted to customer wishes.



The modular construction of the main components - straight, angle and Z moulds - allows virtually any adjustment to the respective area of application. Gear motors provide the drive, and are housed inside the module body. While beforehand simple spur gear motors were applied here, for around a year the transportation technology specialists from Swabia have been using the synchronous motors of the Rosync range from a small motor manufacturer from Bremerhaven - Rotek.

## Paul Hasselbach has gone into a well-earned retirement

25 years of Hasselbach & Kausch is itself a reason to celebrate. But that itself is not enough, as Paul Hasselbach is also celebrating his farewell party at the age of 76. He is the „father“ of the module construction system for the SM65 range of synchronous motors, which he created the principles of at the start of the 80s. He handed over his company in 2000.



But even since then he has helped us in words and deeds. We would like to thank him warmly for his valuable support and wish him a pleasant retirement. He certainly won't get bored.

## Entrance voucher for SPS/IPC/Drives

Would you like to receive a voucher from us for a free visit to the SPS/IPC/Drives fair?

Then go to [www.mesago.de/sps](http://www.mesago.de/sps), navigation: „Entrance tickets“ and register stating the online registration number 090632417. You will then receive your personal ticket for each day of SPS/IPC/DRIVES 2009.

Please visit us at our stand at the SPS/IPC/Drives in Nurnberg.

If you no longer wish to receive our newsletter, please send an E-mail to: [newsletter@rotek-motoren.de](mailto:newsletter@rotek-motoren.de)

Kind regards

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