



WITTENSTEIN at SPS/IPC/DRIVES 2011

**Product première for WITTENSTEIN cyber motor:
New swing servo motor**

WITTENSTEIN AG – Hall 4, Stand 4-221

WITTENSTEIN AG, a traditional exhibitor at SPS/IPC/Drives, will be returning to Nuremberg to participate in this year's fair from November 22 to 24. South-West Germany's specialist for intelligent servo actuator technology will be represented at the forthcoming event by four Business Units in Hall 4, Stand 4-221:

- **WITTENSTEIN motion control GmbH**
- **WITTENSTEIN electronics GmbH**
- **WITTENSTEIN cyber motor GmbH**
- **WITTENSTEIN alpha GmbH**

An innovative mounting concept – a new swing servo or "wing motor" – will form the focus of the WITTENSTEIN Group's joint stand. As a competent development partner for highly dynamic servo actuators, WITTENSTEIN cyber motor will show an exciting customer project at SPS/IPC/Drives 2011.

The engineers in the WCM development team were confronted with a daunting challenge upfront: to replace a tooth chain drive with a fully integrated direct drive for rollers. What makes this application unique is the fact that the stator cannot be mounted or dismantled axially at the roller.

The strategy adopted by WITTENSTEIN cyber motor involves a split stator which is attached to fixing lugs, allowing the stator sections to be joined together in a controlled way. When the motor is swung in, it resembles a one-piece direct drive as far as the electricians are concerned, with all the typical benefits of WITTENSTEIN's WCM subsidiary such as a high torque density, very high efficiency and amazingly compact dimensions.

With its stainless steel water cooling system, this motor is also suitable for use in unfavourable environments or at high rotor

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High-tech products made by **WITTENSTEIN** fly into space and win Formula One races. Intelligent drive systems – from the world's smallest high-performance servo drive to the latest state of the art in medical technology – are developed, produced and marketed by a team of around 1.400 employees. With a blend of dedication and enthusiasm, we set benchmarks – every day – worldwide.



Always a wing beat ahead: the new swing servo motor from WITTENSTEIN cyber motor

WITTENSTEIN AG

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temperatures up to 200°C. It makes an attractive alternative whenever full integration into an existing system needs to be combined with an innovative and compact motor mounting concept.

Photo:

Always a wing beat ahead thanks to the innovative mounting concept: the new swing servo motor from WITTENSTEIN cyber motor

Texts and photographs in printable quality can be downloaded from <http://www.wittenstein.de/presse.html>

Invitation / advance notification:

**WITTENSTEIN AG / WITTENSTEIN cyber motor
press briefing at SPS/IPC/Drives 2011**

on Wednesday, November 23, 2011, 3 to 3.30 p.m
at the WITTENSTEIN Stand 4-221 in Hall 4

**Topic: WITTENSTEIN cyber motor:
Product première of the new swing servo motor**

Speakers:

Kay-Horst Dempewolf, Head of Development, Automotive
Technology and Direct Drives

Stefan Frank, Sales Engineer

Sandra Michel, Detailed Designer

WITTENSTEIN AG: Being one with the future

With around 1400 employees worldwide and sales of €197 million in 2010/11, WITTENSTEIN AG enjoys an impeccable reputation for innovation, precision and excellence in the field of mechatronic drive technology – not just in Germany but internationally. The group comprises eight pacesetting Business Units with separate subsidiaries for servo gearheads, servo actuator systems, medical technology, miniature servo units, innovative gearing technology, rotary and linear actuator systems, nano technology and electronic and software components for drive technologies. Through its 60 or so subsidiaries and agents in approximately 40 countries, WITTENSTEIN (www.wittenstein.de) is additionally represented in all the world's major technology and sales markets.

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