



Gearhead selection “almost” in real time

The optimum gearhead within seconds courtesy of the SIZING ASSISTANT

A new, web based application which provides a fast way to configure motor-gearhead combinations and design a machine’s secondary axes has now been developed by WITTENSTEIN alpha GmbH: the SIZING ASSISTANT. Both the time and the computational work which are necessary to select the gearhead are reduced to a minimum thanks to this tool. A few clicks are all it takes to give users a clear overview not only of the smallest, most powerful and most energy efficient gearhead that can be realized but also of possible alternatives. The software has access to around 14,000 motor versions from more than 50 different manufacturers as well as to WITTENSTEIN alpha’s huge database. SIZING ASSISTANT users can additionally print detailed information and documentation or display 3D CAD data.

The SIZING ASSISTANT is available online in several languages on www.sizing-assistant.com – free of charge, with no password and no login.

Efficiency engineering: Minimum input, maximum result

Start with the motor or with a predefined application – with both of these gearhead sizing strategies only a few parameters are needed, for example the manufacturer, motor type, ratio, output interface, input configuration and price – or maybe the motion profile, the required gearhead type, maximum torques, torsional backlash, axial and radial forces, number of cycles and duty ratio. The very next click returns an optimal recommendation – the smallest, most powerful and most energy efficient matching gearhead – “almost” in real time using a quick select structure.

List of alternatives shows technical and commercial latitude

The software tool simultaneously generates a list of possible alternatives, which can be sorted and compared with one another according to various criteria. The user then has a chance to “play around” with the design by modifying individual parameters and filter settings. Finally, the SIZING ASSISTANT also displays the price

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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 2000 employees. With a blend of dedication and enthusiasm, we set benchmarks – every day – worldwide.



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segment to which the gearhead solutions belong and indicates which of them are currently available. Once the product has been selected, the user can download the data sheet and the CAD data directly in various formats, e.g. STEP or IGES, or request an offer online.

“Big brother”: cymex® 5

The SIZING ASSISTANT is an efficient gearhead selection solution for servo drives or the kinematics of secondary axes. When it comes to more detailed sizing tasks – like main axes involving shaft and position calculations, the simultaneous definition of any number of axes in one project or an examination of electrically preloaded drives – WITTENSTEIN alpha’s multifunctional cymex® 5 sizing software is the perfect tool.

Texts and photographs in printable quality can be downloaded from presse.wittenstein.de.

WITTENSTEIN SE – one with the future

With around 2100 employees worldwide and sales of approximately €337* million in 2016/17 (*provisional figure), WITTENSTEIN SE 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 seven 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 SE (www.wittenstein.de) is additionally represented in all the world's major technology and sales markets.

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