



Same payload at half the length

Telescopic axis for low installation heights

Langenthal, August 20, 2018. The overall height of a robot portal not only depends on the supports but also on the length of the vertical axis. Low production hall ceilings and large overhead heights of the vertical axis challenge design engineers on a regular basis. GÜdel now offers an elegant and practicable solution that meets all requirements in terms of load capacity, service life, safety and ease

of maintenance with the optimised telescopic vertical axis.

Conventional telescopic axis with limitations

The disadvantage of conventional telescopic axes is a reduced payload by 50%. In addition, their safety elements and functional monitoring only meet the minimum

requirements. And finally, conventional telescopic axes leave little room for configuration options.

New telescopic axis with the same performance features as fixed axes

Güdel has succeeded in bringing a fundamental revision of the telescopic axis

onto the market. The new telescopic axis is characterized by increased performance features and is in no way inferior to a fixed axis. Both axes have the same payload. Compared to conventional telescopic axes, the new Güdel axis even increases the payload by 50% thanks to the double profile tube construction.

In addition, relevant product components, such as helical gear racks and powerful end position buffers, could be

adapted to other portal standard. Other advantages are the double securing of the inner carrier profile by a second toothed belt, increased safety conditions and optical monitoring of both belts.

More efficient maintenance

The new space-saving design makes it possible to integrate a safety brake into the telescopic axis. An assembly-friendly design could also be achieved in the main-

tenance area. Changing rollers, belts or even the guide carriages is quick and easy.



The new telescopic axis (right) with the same performance features as the fixed axis (left)

Güdel Group AG

The Güdel Group is a manufacturer of high-precision machine components and provider of sophisticated automation solutions. Its spectrum of products ranges from linear guideways, racks, pinions and drives right through to linear axes and gantry robots. Güdel assembles its products into systems with a high degree of control intelligence and complete plant installations, which can be used in the automotive, tire, metal, rail, intra-logistics, pharmaceutical, renewable energy, wood, and aerospace industries. Güdel's technology is characterized by its innovation, quality and modularity. The Güdel Group has a workforce of approximately 1,200 employees worldwide in over 30 locations. The Group has been owned by the same family since its foundation more than 60 years ago. The Güdel Group has its headquarters in Switzerland.

Contact

pr@ch.gudel.com

Güdel Group AG
Industrie Nord
CH-4900 Langenthal
Phone +41 62 916 91 91
Fax +41 62 916 91 50
info@ch.gudel.com
www.gudel.com