

GÜDEL

COMPONENTS

MODULES

ROBOTICS

SYSTEMS

Product overview

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Products & Solutions



COMPONENTS

Developing a sound construction kit is without question one of the most fascinating and also one of the most difficult of tasks – GÜDEL has solved it comprehensively. The construction kit is based on precisely produced components that can be clearly and safely exchanged with similar standard elements where necessary (produced rationally in series). These include:



Racks and pinions (hardened, ground)



Prismatic guideways for medium loads



Flat guideways for heavy loads



Carrier profiles with integrated guideways



Low backlash worm- and planetary gears, servo drives



MODULES

An intelligently designed linear module axis (with a high degree of reliability and a good price/performance ratio) variety and variability – GÜDEL keeps this promise and fulfils individual customer requirements. In this way it is possible to combine the components in accordance with the respective task for one or multiple axes modules for linear movements – highly dynamically, very precisely and extremely quietly. The modules can handle weights from just a few kilos up to several tons, depending on your requirements.



1-Axis Linear Modules



2-Axis Linear Modules



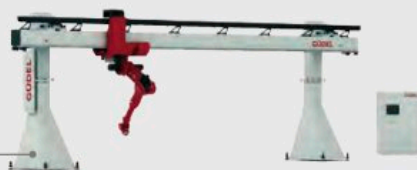
3-Axis Linear Modules «Cantilever»



3-Axis Linear Modules



7th Axis for robots



ROBOTICS

GÜDEL takes this technical term further than normal – we understand the task as encompassing coordinated parameterized handling and transfer systems and thus the individual combination of linear and articulated arm modules with basic control and software: and as a harmoniously integrated solution in production appliances.



roboLoop as curve gantry and transfer systems



gantryRobot as multi-axial portal robot



roboFlex as 5 axis robot in conjunction with linear axes

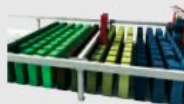


SYSTEMS

GÜDEL is a technology leader for system applications that do require high end performance features related to speed, dynamics and accuracy paired with a tailor-made work range. Based on our linear axis and gantry modules as well as on the robotics product lines, we do realize, together with strategic integrator partners and with our local group companies, comprehensive system solutions for specific applications and in many different industries. With our network of systems partners and own subsidiaries, we are a truly global niche supplier that can provide local services and delivery content based on the state of the art common GÜDEL Group standards and products.



Factory automation



Logistics systems



Press automation



Aerospace industry