



RK 2010
RK 2512
RK 3020
RK 4520
RK 6020

Cnc Router RK Series



Highest performance and productivity

The laminated profiles welded in argon gas offer benchmark for highest rigidity

Improved structure concept for X axis offer large clearance of work table.

Rigid Y-axis concept in whole range of travel

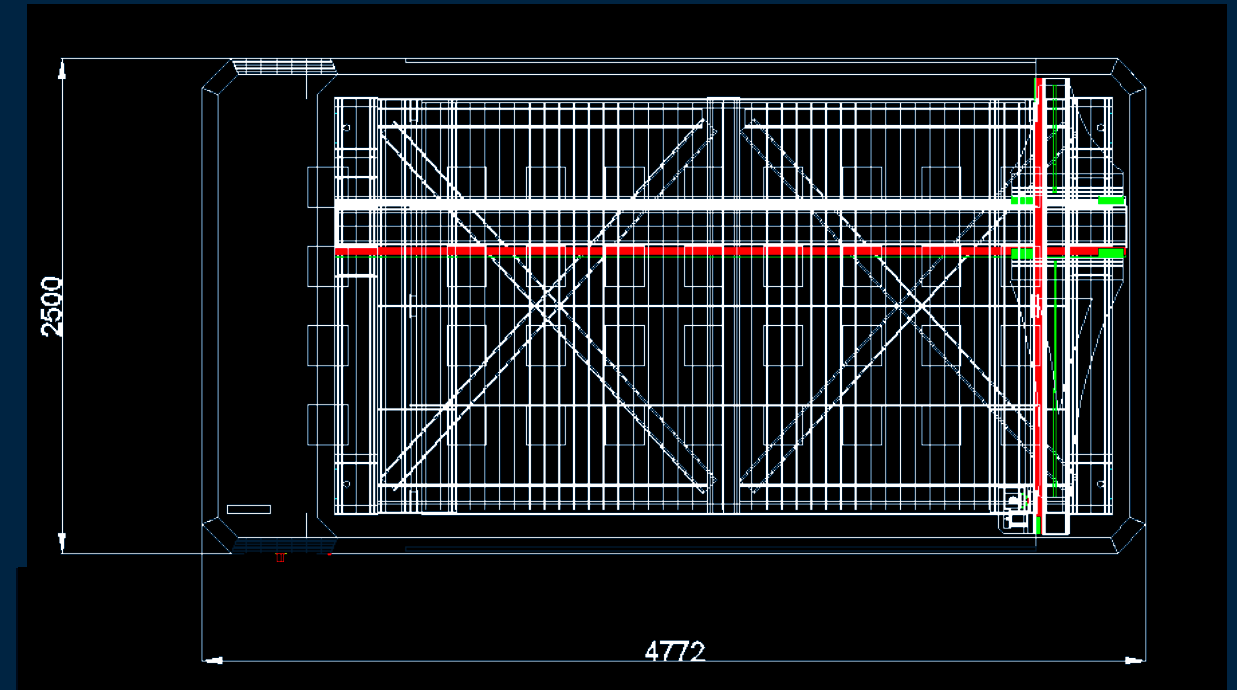
FEM-optimized design & construction

Precision in every component and detail



Maximum stiffness with
welded laminated profiles

Precision and stability



Accuracy of positioning in all axes of 10 μ m without linear scales.

Thermal compensation ensures stable, precise and high quality production process

Gudel made in Swiss transmission - 4 μ m class of precision with hardened surface

Sophisticated design and large working area - combined in
the RK series

Improved ergonomics for easy handling and loading of heavy work pieces

Huge table with 3050 x 2100 mm for cutting of parts up to 600 kg

Small foot print 11.9 sqm for RK3020

RK Series

Technical Area

Work Area

Max. X travels	3,050 mm
Max. Y travels	2100 mm
Max. Z travels	300 mm

Table body

Sub structure made by laminated steel profiles	
Surface Table made by aluminium 5083 - height 30mm	
Table dimensions	3200 mm x 2,100 mm

Router cutting

Vector design / 2D - direct import from DXF or G-CODE	
3D Modelling interpolated in 3 axes	
Materials: Wood, Plastics, Composites, non Metals (Aluminium, brass,etc.)	

Rapid traverse

Max. X axis	60 m/min
Max. Y axis	60 m/min
Max. Z axis	20 m/min



RK Series

Standard model

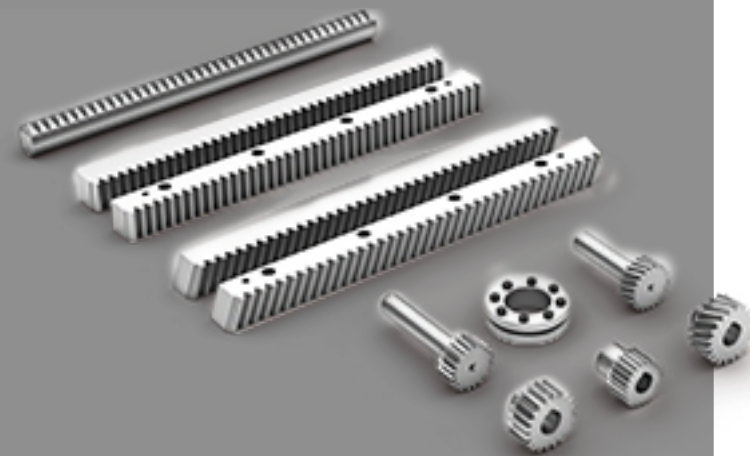


Transmission

Precision in all shapes and sizes

Perfect for high-performance drive units

Quality offered by



GÜDEL



Software

Planet CNC

User friendly

2D/3D view

CAM included

Direct import DXF files

Linear

Precise, Reliable, Future-proof

10 um precision class

Quality offered by

SCHNEEBERGER
LINEAR TECHNOLOGY



Quality

assured by hi-class brands ...



Servomotors

Panasonic alpha

High-precision encoder, 20 bits/revolution;

Max. rotational speed: 5000rpm

Low cogging torque

Highest fixation pressure of vacuum

Leybold Oerlikon Sogevac SV100B - made in France

Rotary Vane Technology	
Pressure UP to	0.08 mBar ABS
Flow 50Hz	100mc/h

Leybold Oerlikon Sogevac SV200B - made in France

Rotary Vane Technology	
Pressure UP to	0.08 mBar ABS
Flow 50Hz	180mc/h

Leybold Oerlikon Sogevac SV300B - made in France

Rotary Vane Technology	
Pressure UP to	0.08 mBar ABS
Flow 50Hz	300mc/h

Vacuum pumps

Single-stage rotary vane pumps

- * Medium vacuum rotary vane pumps
- * Effective investment, long service life
- No oil loss, low power consumption
- No oil loss thanks to integrated exhaust filter

Effective investment
Maintenance free, up to 3 years in clean applications

Your Expectations:
Industrial rough vacuum generator
Favourable price-to-performance ratio
Low noise and clean operation

Our Solution:
Pumping speed 10 to 840 cm³/h
Ultimate pressure ≤ 5 · 10⁻² mbar

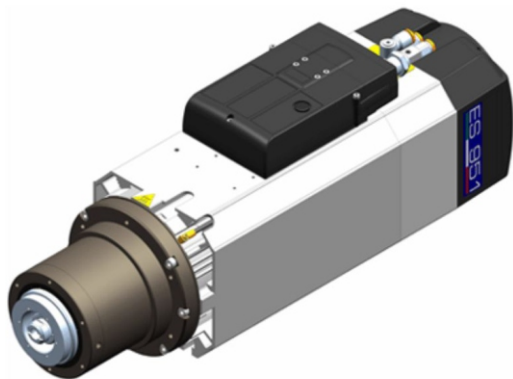
Flexible pump design
Quietest pumps on the market and oil loss below 1 ppm
Certified according to ATEX directive 2014/34/EU



HSD Manual 6KW



**HSD ES951 6KW -
Automat 24.000 rpm**



**HSD ES951 8KW -
Automat 36.000 rpm**



Highest cut quality

HSD Manual 6 Kw - made in Italy

Power	6 KW
Speed	18.000 rpm
Tool fix	ER32 (1-25mm dia)

HSD 951 - Automat - 6 KW - made in Italy

Power	6 KW
Speed	24.000 rpm
Tool fix	ISO30/HSK F63

HSD 951 - Automat - 8 KW - made in Italy

Power	8 KW
Speed	24.000 rpm
Tool fix	ISO30/HSK F63

HSD 350 - Automat - 8 KW - made in Italy

Power	8 KW
Speed	36.000 rpm
Tool fix	HSK F63

RK Series

Order List

Model range

RK2010

Max. X travels	2,050 mm
Max. Y travels	1,050 mm

RK 2512

Max. X travels	2,550 mm
Max. Y travels	1,250 mm

RK 3020

Max. X travels	3,100 mm
Max. Y travels	2,050 mm

RK 4520

Max. X travels	4,600 mm
Max. Y travels	2,050 mm

RK 6020

Max. X travels	6,100 mm
Max. Y travels	2,050 mm



Tangential Knife

For cutting soft materials from Foam to PVC, leader, think material, carton, etc.

This tool is suitable for a good fixation with vacuum.



Precision

Tools made by Intelligent Labs



Oscillation Knife

It used for thick materials (Cardboard, Foam etc).

- * Good quality cut on fragile materials
- * High oscilation rate made by Maxon Swiss motor up to 15.000 osc/min
- * High feed of the machine and very roubout tool

Supplementary Z_axes

Complate Z axes for tools with separate command from controller

- Travel up to 300mm
- Transmision with servomotor Panasonic
- Accuracy 0.01 mm / speed up to 20m/min



4th-Axe Rotary

Made for machining round parts with a very high precision of 1 arc-min and a torque up to 400NM

It can be sutible for machining from wood to aluminiu.

Can be order to machining in diameter 200mm, 300mm, 400mm

RK Series

Notes

