



MACHINE DATA

Inside dimensions working tank
Volume working tank
Table size X-Y
Total weight
Total space requirement
Machine length X (without storage tank)
Machine width Y
Height working table
Travel distance X
Travel distance Y
Moving speed X and Y
Travel distance Z
Moving speed Z
Distance table - sleeve (without chuck)
Max. workpiece weight
Max. electrode weight
Dielectric fluid above table

genius 1300 NOVA

1150 x 1600 x 750/1000 mm
approx. 1800 l
850 x 1400 mm
approx. 10000 kg
approx. 2700 x 6500 x 4150 mm
approx. 3300 mm
approx. 2900 mm
approx. 1050 mm
1300 mm
1250 mm
approx. 250 mm/s resp. 15 m/min
900 mm
approx. 330 mm/s resp. 20 m/min
1000 mm
5000 kg
500 kg (without C-Rotation)
750 mm (opt. 1000mm)

genius 1800 NOVA

1800 x 1600 x 750/1000 mm
approx. 3000 l
1600 x 1400 mm
approx. 16.000 kg
approx. 2700 x 7500 x 4150 mm
approx. 4000 mm
approx. 2900 mm
approx. 1050 mm
2100 mm
1250 mm
approx. 250 mm/s resp. 15 m/min
900 mm
approx. 330 mm/s resp. 20 m/min
1000 mm
10000 kg
500 kg (without C-Rotation)
750 mm (opt. 1000mm)

genius 2500 NOVA

2500 x 1600 x 750/1000 mm
approx. 4000 l
2300 x 1400 mm
approx. 22000 kg
approx. 2700 x 8200 x 4150 mm
approx. 4700 mm
approx. 2900 mm
approx. 1050 mm
2800 mm
1250 mm
approx. 250 mm/s resp. 15 m/min
900 mm
approx. 330 mm/s resp. 20 m/min
1000 mm
10000 kg
500 kg (without C-Rotation)
750 mm (opt. 1000mm)

ZK SOFTWARE

With our software, we are a specialist supplier who is specifically dedicated to the process sequences in tool and mold making and who consultant companies and offers individual customized solutions. Our software modules can be adapted across systems.

ZK AUTOMATION

We are the market leader in the field of linear handling systems for tool and mold making. Your entire production up to cleaning and drying process can be automated throughout with our Chameleon handling: Cross-technology, for several machines at the same time and all work steps.



Sustainably LARGE:
the new NOVA portal machines

The well-known ZK precision - now also for large workpieces. Sustainably good energy consumption; modular design and tailored to your production.

genius 1800 NOVA

ZK EDM
Part of Zimmer & Kreim

Innovative
Energy efficient
Made in Germany
Portal with linear drives

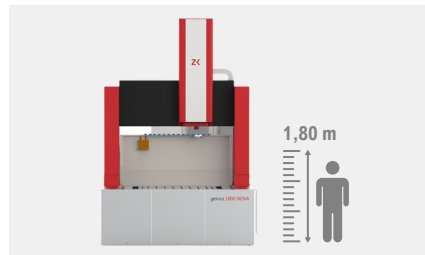
- Workpieces up to 10,000 kg
- User-friendly due to the lowest loading height on the market
- High flexibility in table occupancy
- Long travel distances with high stability
- Precisely eroding up to μm with simultaneous 8 axes operations
- Up to 40 % energy savings compared to competitors
- Electrode changing without emptying the tank
- Dielectric height above table up to 1,000 mm
- Fully synchronized gantry portal axis with linear drives
- Automated processes around the clock (24/7) - possible
- Up to 300 A eroding performance

Workpieces up to 10,000 kg



The *genius* NOVA portal machines are perfect for large workpieces and complex geometries, e.g. turbine parts. Simultaneous eroding with up to 8 axes enables perfect and fast erosion results here.

Innovative tank system



The construction of the innovative work tank system, specially developed for the *genius* NOVA portal machines, allows - for a very low overall height of the machine and thus eases operation. In addition of this tank system, enables dielectric heights of up to 1,000 mm above the work table are possible.

Machine control



The new, already proven NOVA machine control is clear and intuitive. From job management, positioning, measuring and programming to the actual eroding process, you have everything in view.

