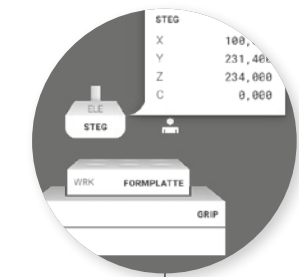


The next dimension of machine control:

Simple, clear, perfect.



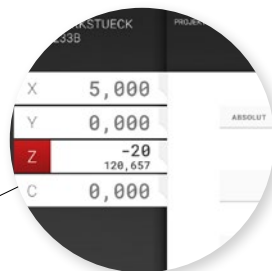
3D VISUALISATION OF THE COORDINATE SYSTEMS

- ▶ Direct overview of changed / activated pallets, workpieces and electrodes.
- ▶ Quick access to associated offsets.



OPERATING FLOW IN SIGHT

- ▶ The operation of the interface, including the management of parts, positioning, measuring, programming and the actual eroding process, follows natural processes (intuitive user guidance).
- ▶ Quick change within the applications via icons.



EASIER ORIENTATION VIA AXIS REPRESENTATION

- ▶ A combination of the actual and nominal value for each axis provides you with a quick overview of where the machine is at the moment and which position is approached next.
- ▶ In this way, positioning becomes easier and more intuitive.



QUICKLY POSITIONED: WITH INCREMENTAL AND ABSOLUTE VALUES

- ▶ A clear identification for the entry via corresponding buttons in combination with a colour coding facilitates the distinction between absolute and incremental values for positioning.



DIRECT ACCESS TO PROJECTS AND JOBS

- ▶ With one click to the project and job management
- ▶ Intelligent search: Name and / or planned date as well as directly for specific entries.

Data box

Machine data

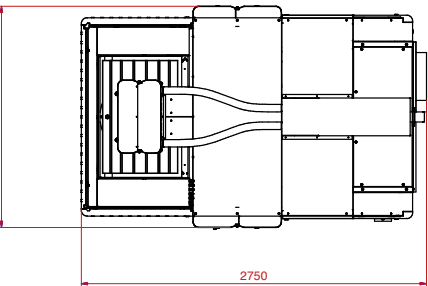
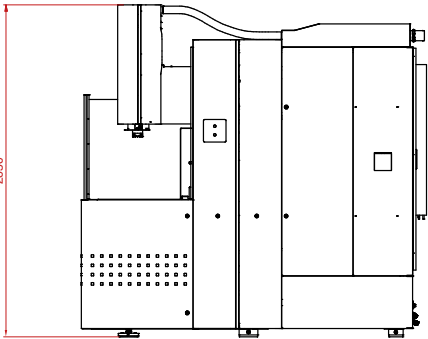
Height	genius 900 NOVA
Width	2650 mm
Depth	1800 mm
Total weight (w/o fluids)	2750 mm
Table: Length x width	ca. 7000 kg
Dielectric fluid above table	900 x 600 mm
Dielectric filter	450 mm
Workpiece weight	1 central filter
T-slots: number / width / distance	1000 kg
Distance: Table - sleeve w/o chuck max. / min.	6 slots / 10 mm / 100 mm
Travel distance X - Y	550 / 200 mm
Travel distance Z	opt. 660 / 310 mm
Resolution X - Y - Z	720 x 420 mm
Rapid travers rate X - Y	350 mm
Rapid travers rate Z	0,001 mm
Electrode weight	20 m / min
Dielectric fluid consumption	20 m / min
Number of adjustable feet	max. 100 kg
Weight per foot	560 litres
Required cooling power	3 pcs. + 2 columns
Floor load	ca. 2,9 t
Space of base plate	4,5 kW
	ca. 1,8 N/mm²
	1x Ø150 mm. 2x 146 x 146 mm
Flow rate (air)	10l / min
Required air pressure	min. 6 bar



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Generator data

Control system generator	genius 900 NOVA
Operating current	genius magic ³ (integr.)
	52 A in total
	optional 100 A in total (+ 48 A)
	Booster 196 A in total (+ 96 A)
Suction capacity	6 KVA / 400 V / 50 Hz
Handling	Stand alone operator panel with keypad, mouse and genius NOVA handheld terminal
Screen	22" Touchscreen
Screen	IPC Intel Windows 10
Control system machine	own RISC-CPU with 1.2 GHz and 64 Bit
	own RISC-CPU with 1.0 GHz and 64 Bit
Gap monitoring	Digital controller for AC-servomotors
Engine control	LAN-TCP/Internet protocol, USB, RS 232
Interface	



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NEW!

genius 900 NOVA

The next dimension of eroding



ZK EDM

genius 900 NOVA

Eroding in a new dimension

With the *genius* 900 NOVA, you can explore an entirely new eroding terrain. And that in every respect: No matter whether speed, accuracy / precision, stability or flexibility. The *genius* 900 NOVA can justifiably be referred to as the best of its class.

The compact substructure made of mineral casting ensures steady work results, even in case of temperature fluctuations in the environment.

Faster, more precise, *genius* 900 NOVA.

The fundamentally new developed machine leaves nothing to be desired: High speeds in all axes.

At the same time, low-wear erosion with copper or graphite as well as steady process runtimes are ensured.

The *genius* 900 NOVA impresses each user with stunning precision, speed and flexibility.

The features at a glance:

- Simultaneous 8 axes operation
- Manual eroding for teaching electric discharge machining via manual control with joystick function
- LCD display and Windows 10 touch monitor
- High vibration dampening due to mineral casting
- Movable tank (without dielectric emptying)
- Acceleration 1G 10 m/sec²
- Highest erosion performance and precision for all material pairs
- Wear-free final dimension tuning
- Thermo-symmetric mineral cast construction
- Fully enclosed integrated measuring systems
- Integrated electro cabinet cooling (standard)
- Fully temperature-controlled machine frame (optional)
- LED status display (optional)
- Fully integrated workspace lighting (optional)
- Freely programmable flushing (optional)
- Automatic central lubrication (optional)

