



genius NOVA series The next dimension of eroding



The *genius* NOVA model series Eroding in a new dimension

With the genius NOVA model series, you can explore an entirely new eroding terrain. And that in every respect: No matter whether speed, accuracy/precision, stability or flexibility. Both new genius 750 NOVA and genius 900 NOVA machines can justifiably be referred to as the best of their 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 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 new genius NOVA model series impress 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
- Permanently filled moveable working tank
- 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 (air-water heat exchanger)
- Fully temperature-controlled machine frame (optional)
- LED status display (optional)
- Fully integrated workspace lighting (optional)
- Freely programmable flushing (optional)
- Automatic central lubrication (optional)



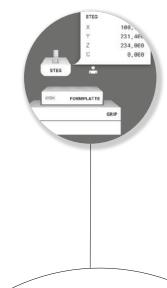


ntegrated workplace lighting



The next dimension of machine control: Simple, clear, perfect.

120.657



3D VISUALISATION OF THE COORDINATE SYSTEMS

 Direct overview of changed / activated pallets, workpieces and electrodes.

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-20

ABSOLUT INKEDUCKT

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 quidance).
- 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.

Machine data Height

Width Depth Total weight (w/o fluids) Table: Length x width Dielectric fluid above table Dielectric filter Workpiece weight T-slots: number/width/ distance Distance: Table - sleeve w/o chuck max./min. Travel distance X - Y Travel distance Z Resolution X - Y - Z Rapid travers rate X -Y Rapid travers rate Z Electrode weight Dielectric fluid consumption Number of adjustable feet Weight per foot Required cooling power Floor load Space of base plate

Flow rate (air) Required air pressure

Generator data

Control system generator Operating current

Suction capacity Handling

Screen		
Screen		
Control	system	mach

Control system machine

Gap monitoring

Engine control

Interface



genius 750 und 900

optional 100 A in total (+ 48 A) Booster 196 A in total (+ 96 A)

Stand alone operator panel

with keypad, mouse and genius NOVA handheld

6 KVA/400 V/50 Hz

IPMtec (integr.)

52 A in total

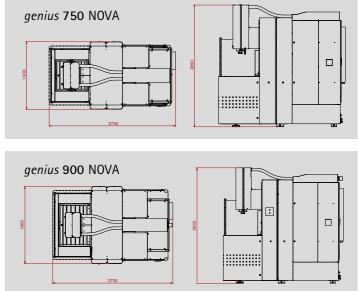
terminal

own RISC-CPU

own RISC-CPU

servomotors

USB, RS 232



22" Touchscreen IPC Intel Windows 10 with 1.2 GHz and 64 Bit with 1.0 GHz and 64 Bit Digital controller for AC-



LAN-TCP/Internet protocol,



genius 900 NOVA

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