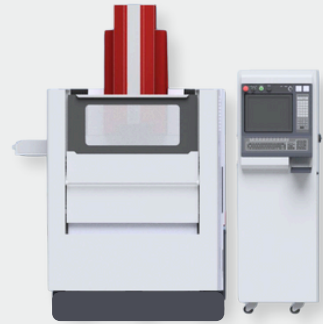




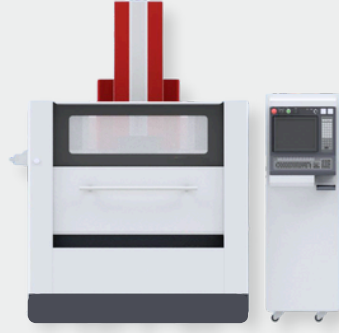
## Machine data

Height
Width
Depth
Total weight (w / o fluids)
Table: Length x width
Dielectric above table
Dielectric filter
Workpiece weight
Travel distance X - Y
Travel distance Z
Resolution X - Y - Z
Electrode weight
Dielectric fluid consumption
Required cooling power
Flow rate (air)
Required air pressure
Electrode changer



### ZK 400 NOVA

ca. 2400 mm
ca. 2410 mm
ca. 2270 mm
ca. 2800 kg
700 x 400 mm
350 mm
3 filter cartridges
max. 700 kg
400 x 300 mm
350 mm
0,001 mm
max. 50 kg
450 l
4,5 kW
10 l/min
min. 6 bar
4-position electrode changer



### ZK 650 NOVA

ca. 2660 mm
ca. 2780 mm
ca. 3050 mm
ca. 3900 kg
1000 x 600 mm
450 mm
4 filter cartridges
max. 1000 kg
650 x 450 mm
450 mm
0,001 mm
max. 50 kg
1200 l
4,5 kW
10 l/min
min. 6 bar
6-position electrode changer



## ZK SOFTWARE

With our software, we are a specialist provider dedicated specifically to the processes in tool and mold making, consultant companies and offering individual, customized solutions. Our software modules can be adapted across systems.

## ZK AUTOMATION

We are the market leader in linear handling systems for tool and mold making. Your entire manufacturing process, including drying and cleaning, can be fully automated with our Chameleon handling system: across all technologies, for multiple machines simultaneously, and for all work steps.

## Do you have any questions?

### Your contact person:

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## New ZK 400 NOVA / ZK 650 NOVA

The balance of price & performance



# The new ZK 400 NOVA / ZK 650 NOVA



## **Precision & stability through robust design.**

Engineered with static, dynamic and rigid mechanics, the NOVA guarantees reliable long-term performance at maximum output. High-accuracy glass scales on the X, Y and Z axes secure precise positioning and reduce measurement errors to a minimum – ensuring consistent quality in every process.

## **Compact power. Ultimate precision.**

### **Compact & rigid mechanical design.**

The short C-frame design and solid cast structure ensures stability and accuracy over the full lifetime of the machine. Built to absorb all machining forces, the NOVA ensures a consistently precise spark gap between workpiece and electrode – for maximum reliability in every operation.

## *The features:*

- Control of Manual EDM process via handheld with joystick function for repairing jobs
- High vibration damping due the robust cast construction
- Highest removal rate and accuracy for all material pairings
- Low-wear final dimension tuning
- Fully protected and integrated measuring systems
- Fully integrated workspace lighting
- Automatic central lubrication

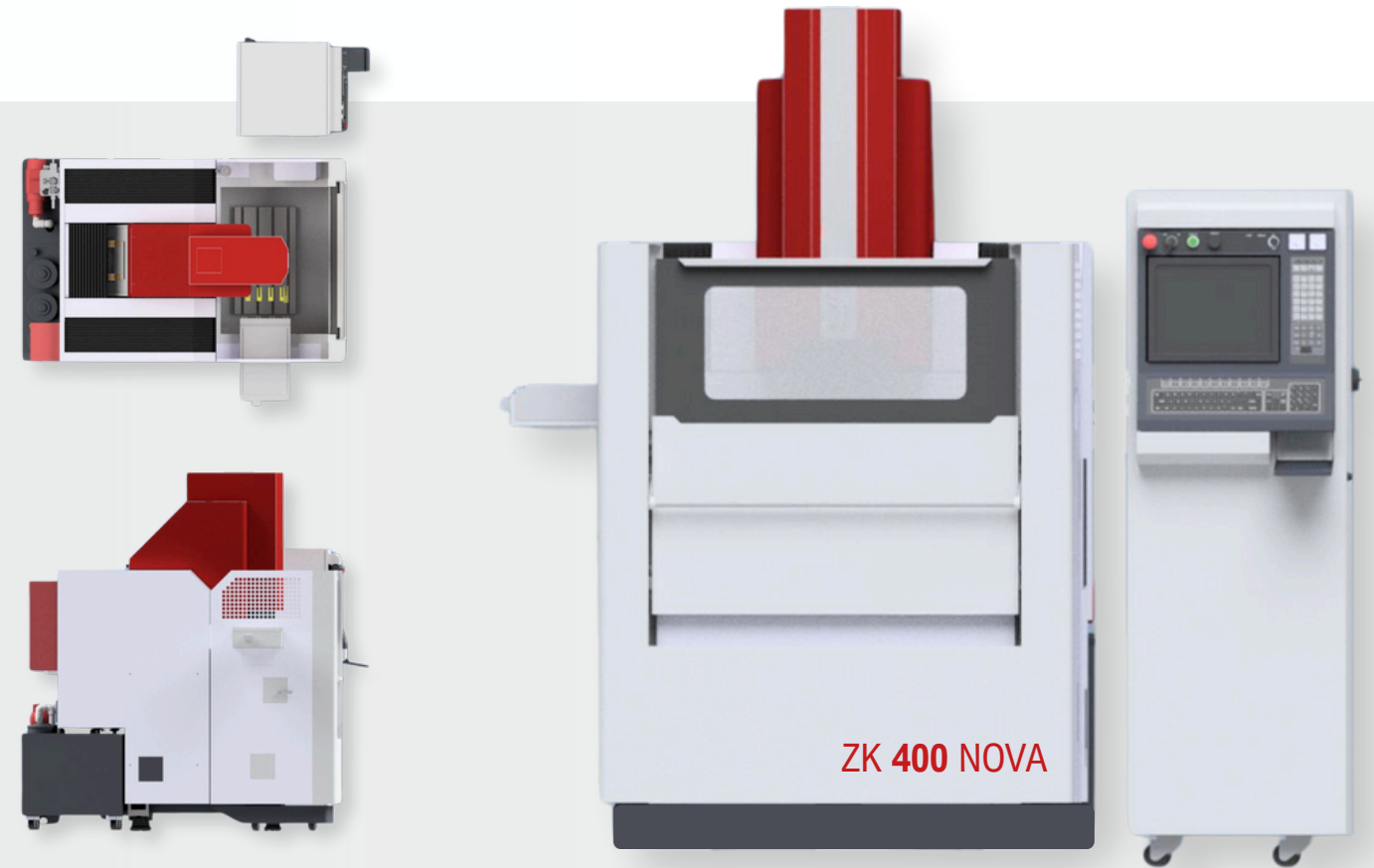


## Ergonomic handheld control

- ▶ Ergonomically designed
- ▶ Two enable buttons for left- and right-handed users
- ▶ Large LCD Touch display
- ▶ Digital handwheel for manual target positioning
- ▶ Fully integrated 4 axes joystick control



Since 1985, Zimmer & Kreim has been developing and manufacturing die-sinking EDM machines, automation solutions, and software in the Odenwald region, Germany. Combining precision, innovation and decades of expertise, we deliver reliable systems that drive efficient production processes worldwide. Our commitment: top quality that truly makes the difference.



ZK 400 NOVA



ZK 650 NOVA