



SKU : 100115

The die sinking EDM machines of the ZNC EDM series are used in mold and tool making to reproduce injection molds or matrices with high precision and surface quality. The series is characterized by high-quality components designed for continuous operation. The models have already proven themselves many times and offer excellent performance in every size. The desired working parameters for roughing and finishing can be stored in the control, as can the desired working depth. The table is positioned manually.

- User-friendly CNC control
- Preloaded ball screws on all axes
- High-precision preloaded ball screws on Z-axis
- High quality components
- Integrated diagnostic system

TECHNICAL SPECS

WORKING AREA

Table dimensions	700 mm x 450 mm
Electrode holder-to-table distance	250 mm - 600 mm
Workpiece weight (max.)	700 kg
Quill stroke	250 mm
Electrode weight (max.)	30 kg

TRAVELS

Travel X-axis	450 mm
Travel Y-axis	350 mm

GENERATOR

Generator power consumption	7.5 kVA
Removal rate (max.)	500 mm ³ /min
Electrode wear, min.	≤ 0,2 %
Mean generator capacity	80 A
Generator weight	200 kg

ACCURACIES

Roughness	< 0,3 - 0,8 μm Ra
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MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	1.5 m x 1.6 m x 2.1 m
Weight	1800 kg



PRODUCT DETAILS

- User-friendly CNC control assists the user in the selection of work parameters
- The machine frame design incorporates modern aspects plus many years of manufacturing experience
- X and Y axes are equipped with preloaded ball screws for low maintenance and high precision
- The main axis is positioned by a precision spindle, which has its own lubricant circuit - ensuring constant temperature conditions at the spindle, minimum friction and maximum precision
- The dielectric system is driven by a premium pump made by a renowned European manufacturer
- Machine operation is user-oriented and easy to learn
- Finely-incremented work parameters allow high powered material removal and finishing in one process
- Diagnostic information is very helpful

Economical Entry-Level Electric Discharge Technology

- NC controlled Z-axis feed
- Compact design for small part machining
- Rigid machine base
- Linear scales on all axes to ensure constant precision
- Separate dielectric reservoir
- Low-maintenance and high efficiency
- DC servo-drive for precise control and system stability
- Easy-to-learn operation
- Direct parameter input and adjustment at the control panel
- Machining parameters for specific operations can be stored

STANDARD EQUIPMENT

Control unit
Fire extinguishing system
Work lamp
Filter system
Scale X- / Y-axis
Chuck
Operating tools
Operator instructions

OPTIONAL EQUIPMENT

- Magnetic clamping plate, SKU : 250278
- Orbital head attachment with electrode holder, SKU : 253961



KNUTH on YouTube Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?
Please feel free to contact us!**