



SKU : 100105

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 | 450 mm x 280 mm |
| Electrode holder-to-table distance | 200 mm - 400 mm |
| Workpiece weight (max.) | 200 kg |
| Quill stroke | 200 mm |
| Electrode weight (max.) | 30 kg |

TRAVELS

| | |
|---------------|--------|
| Travel X-axis | 250 mm |
| Travel Y-axis | 200 mm |

GENERATOR

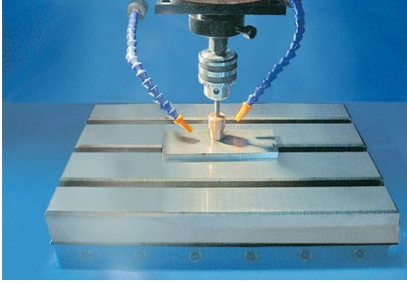
| | |
|-----------------------------|--------------------------|
| Generator power consumption | 3.5 kVA |
| Removal rate (max.) | 400 mm ³ /min |
| Electrode wear, min. | ≤ 0,2 % |
| Mean generator capacity | 40 A |
| Generator weight | - kg |

ACCURACIES

| | |
|-----------|-------------------|
| Roughness | < 0,3 - 0,8 μm Ra |
|-----------|-------------------|

MEASURES AND WEIGHTS

| | |
|--|-------------------------|
| Overall dimensions (length x width x height) | 1.39 m x 1.48 m x 2.1 m |
| Weight | 1000 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

STANDARD EQUIPMENT

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

OPTIONAL EQUIPMENT

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