



## 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	28 in x 18 in
Electrode holder-to-table distance	9.84 in - 23.62 in
Workpiece weight (max.)	1540 lbs
Quill stroke	10 in
Electrode weight (max.)	66 lbs

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	60 in x 63 in x 83 in
Weight	3960 lbs

### TRAVELS

Travel X-axis	17.7 in
Travel Y-axis	14 in

### GENERATOR

Generator power consumption	7.5 kVA
Removal rate (max.)	0.78 in <sup>3</sup> /min
Electrode wear, min.	≤ 0,2 %
Mean generator capacity	80 A
Generator weight	441 lb

### ACCURACIES

Roughness	< 0,3 µm Ra
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## 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  
Scales for X / Y- axis  
Chuck  
Operating tools  
Operator instructions

## OPTIONAL EQUIPMENT

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