

# PHILLIPS CNC DIE SINKER EDM MACHINES

Size Compact, Big Impact

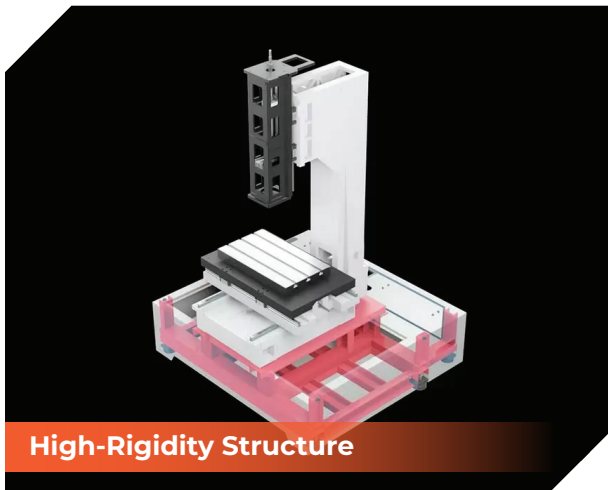


## Key Features

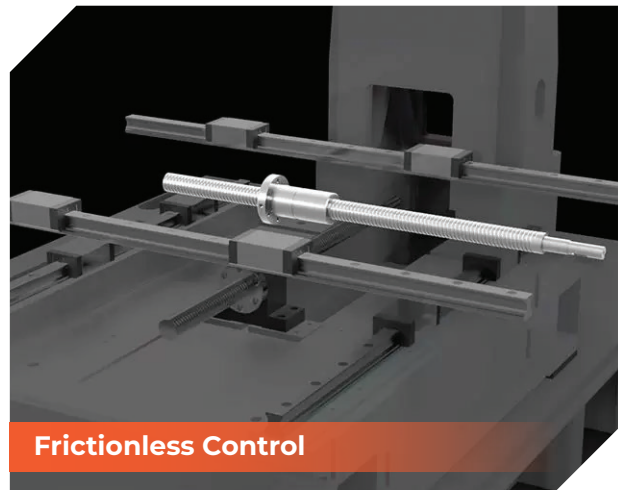
- ▲ Industrial PC with CF card & USB for data backup
- ▲ Stores 1,000 processing programs; single-block editing enables multi-cavity and matrix machining
- ▲ 10 files with 256 sets of parameter tables for storing processing conditions
- ▲ Edge, Home, Center, Inner hole, and Apex finding
- ▲ User Friendly programming
- ▲ CNC Functions Includes Side Loran (X, Y), Angle Vector machining, ARC CW & CCW functions round, square orbiting & vector machining
- ▲ A.T.C. & C Axis (helical-gear, C-X/C-Y axis lateral rock machining & other functions)

## Technical Specifications

| SPECIFICATIONS                            | PCE 430 C             |                 | PCE 430               |                | PCE 540               |                  |
|-------------------------------------------|-----------------------|-----------------|-----------------------|----------------|-----------------------|------------------|
| Capacity of work tank                     | 900 x 520 x 385 mm    |                 | 1100 x 600 x 400 mm   |                | 1170 x 690 x 425 mm   |                  |
| Work table size                           | 600 x 350 mm          |                 | 700 x 400 mm          |                | 800 x 450 mm          |                  |
| Longitudinal travel(X-axis)               | 400 mm                |                 | 400 mm                |                | 500 mm                |                  |
| Cross travel(Y-axis)                      | 300 mm                |                 | 300 mm                |                | 400 mm                |                  |
| Z axis travel(Z-axis)                     | 300 mm                |                 | 300 mm                |                | 350 mm                |                  |
| Max. Electrode weight                     | 100 kgs               |                 | 100 kgs               |                | 200 kgs               |                  |
| Max. Work piece weight                    | 500 kgs               |                 | 1000 kgs              |                | 1350 kgs              |                  |
| Fluid tank capacity                       | 300 L                 |                 | 370 L                 |                | 520 L                 |                  |
| Machine outside dimensions(WxDxH)         | 1700 x 1600 x 2350 mm |                 | 1900 x 1750 x 2350 mm |                | 3600 x 1340 x 2513 mm |                  |
| Machine weight                            | 1750 kgs              |                 | 2250 kgs              |                | 2500 kgs              |                  |
| Max. Machining current                    | 60 A                  | 90 A (Optional) | 60 A                  | 90A (Optional) | 90 A                  | 120 A (Optional) |
| Max. Power input                          | 7 KVA                 | 10 KVA          | 7 KVA                 | 10 KVA         | 10 KVA                | 13 KVA           |
| Max. Machining rate(mm <sup>3</sup> /min) | 400                   | 600             | 400                   | 600            | 600                   | 800              |
| Min. Electrode wear ration                | 0.12%                 |                 | 0.12%                 |                | 0.12%                 |                  |
| Min. D. R. O. resolution(mm)              | 0.001 mm              |                 | 0.001 mm              |                | 0.001 mm              |                  |
| Generator weight                          | 320 kgs               |                 | 350 kgs               |                | 350 kgs               |                  |



High-Rigidity Structure



Frictionless Control



Intelligent Rotational Control



Automation for Seamless Machining