

CNC Die Sinking EDM

- Super Precision Linear Guideways (SP Grade)
- Grinding Ball Screw (C2 Grade)
- Aging Treatment of Casting more than 3 years
- Geometric and Dynamic accuracy with 5 μm



Mechanical Parameters

Items	Unit		PCE 450	PCE 400A	PCE 500	PCE 600	PCE 600A	PCE 800	PCE 1000	PCE 1200	PCE 1800	PCE 2100	PCE 3500
Max machine efficiency	mm ³ /min	≥500	≥500	≥500	≥500	≥500	≥500	≥500	≥500	≥500	≥500	≥500	≥500
Best surface finish	μ Ra	≤0.08	≤0.08	≤0.08	≤0.2	≤0.2	≤0.08	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2
Min wear of electrode		≤0.05%	≤0.05%	≤0.05%	≤0.1%	≤0.1%	≤0.05%	≤0.1%	≤0.1%	≤0.1%	≤0.1%	≤0.1%	≤0.1%
General power	Kva	9	9	9	9	9	9	9	9	9	9	9	9

CNC power generator	For ADV and ADI
Max machining current	50A
Input power	380V
OS	windows7
Language	Chinese/English
Storage for user	Standard> 500M8, could be customized
Storage types	CF card, outsource memory
Input method	Touch screen, USB, LAN
Input	USB, LAN
Display	15 inch LCD
Control axis	4 axis simultaneous control
Max machining efficiency	≥500mm ³ /min
Min. wear of electrode	≤0.05%
Ra best surface finish	≤0.08μm
Repeat positioning accuracy	0.003mm

CNC power generator	For ADV and ADI
Number of coordinates	60
Compensation system	Step error compensation, torque compensation, gap compensation
Edit function	NC file edit while machining
Graphic display function	XY/YZ/ZX plane, machining simulation, backstage simulation, orbital profile simulation, discharging simulation and etc.
Min command unit	1μm
Min drive unit	1μm
Max feed ratio	4m\min
Max jump speed	5m/min
General power	9KW
Orbital types	Free shaking, quadrant shaking, lock shaking, 3D shaking
Machining edit software	Expert system LN, auxiliary tool, Procon

Intelligent Manufacturing

Function Introduction of Latest Control System

- Brand-new CNC EDM control system embedded on Windows 7, multiple axis simultaneous control (up to 6 axis simultaneous control).
- Export system with powerful machining technology database, automatic generate processing technology according to different profile and different material. Electrode and material combination: cooper/steel, graphite/steel, copper/aluminum alloy, graphite/aluminum alloy, silver tungsten/steel, copper tungsten/steel, silver tungsten/hard alloy, copper tungsten/ hard alloy, copper/zinc alloy, graphite/zinc alloy, copper/ cooper alloy.
- Special sparking circuits: hard alloy circuit, high speed graphite circuit, mirror surface finish circuit, super high accuracy circuit, pear surface circuit(optional) and etc.
- Orbital capacity: free shaking, quadrant, certain axis lock shaking, and etc.



Information

Automation

Expert1



Edit Interface

LAN

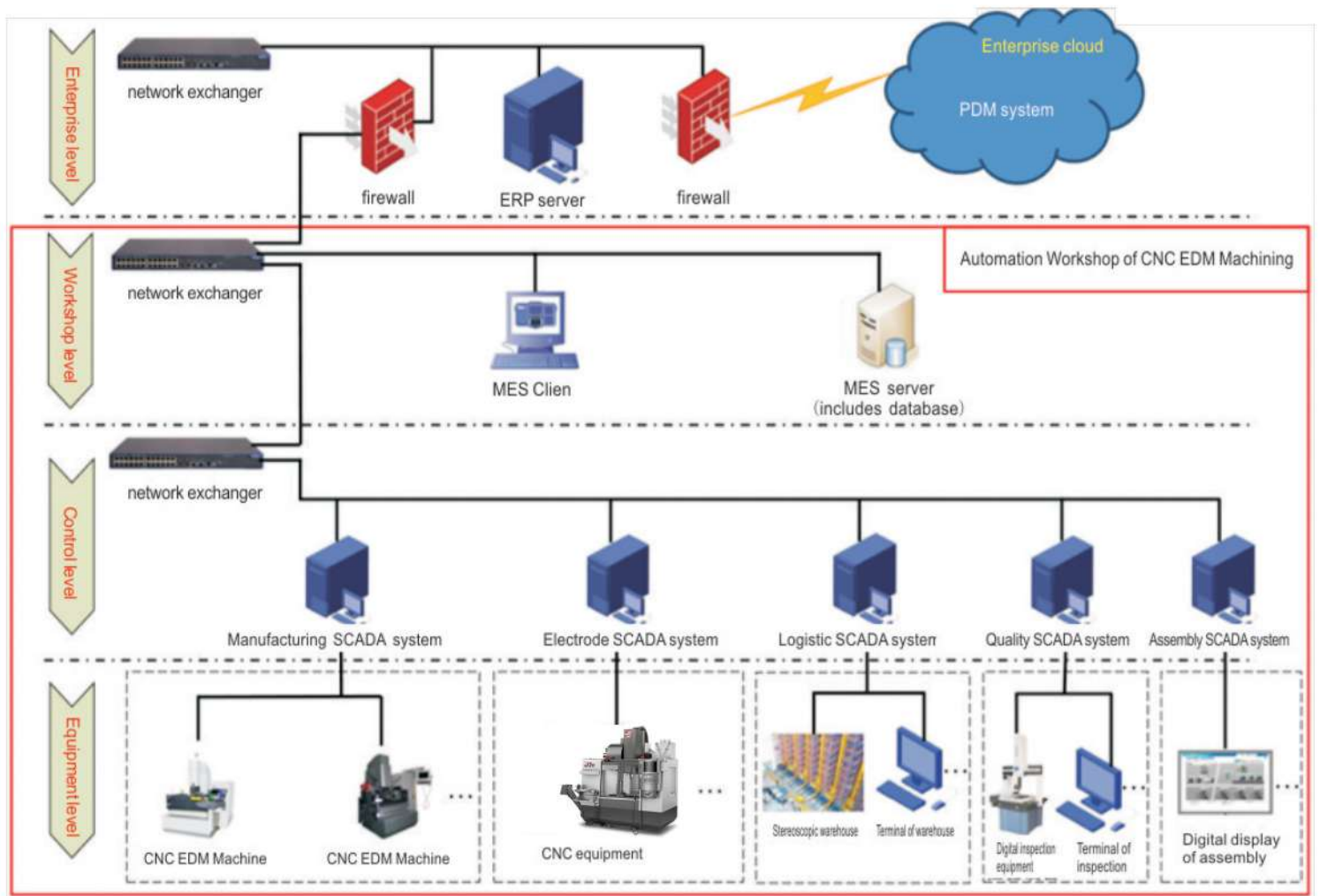
Data Management



Machining Interface

Initialization interface

Positioning interface



Optional Accessories



EROWA OR 3R Tooling
System



C-Axis



ATC



Rotary



Robot

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