Russia
Uzbekistan
Korea
HSPK
Mexico
Cuba
Qatar
Saudi Arabia
India
Thailand
Vietnam
Indonesia

HSPK Technology Vietnam Co., Ltd.
Khu Thuong, Khac Niem Ward, Bac Ninh City, Bac Ninh Provine, S.R Viet Nam
Tell: 0869. 328. 133
Email: hspk.vn@gmail.com
Visit us at: www.hspk.vn

Zalo

HSPK
TECHNOLOGY VIETNAM

Professional
EDM Die Sinker Machine

HSPK Technology Vietnam Co., Ltd.

Technology changes the world, quality creates the future

Contents

Company Profile 01
Manufacturing plant 02
Precision detection 03
Sample display 04
windows operating system 05
System function 06
VX45/ VX60/ VM45A 07/08
VM70/ VM100 09/10
VMD110/ VMD150 11/12
VMD200/ VMD280 13/14
Optional accessories 15/16
Intelligent processing solutions 17/18

CNC-EDM-VX45

CNC-EDM- VM45A

CNC-EDM- VM70

CNC-EDM-VMD110

CNC-EDM-VMD150

CNC-EDM-VMD200

CNC-EDM-VMD280

HSPK

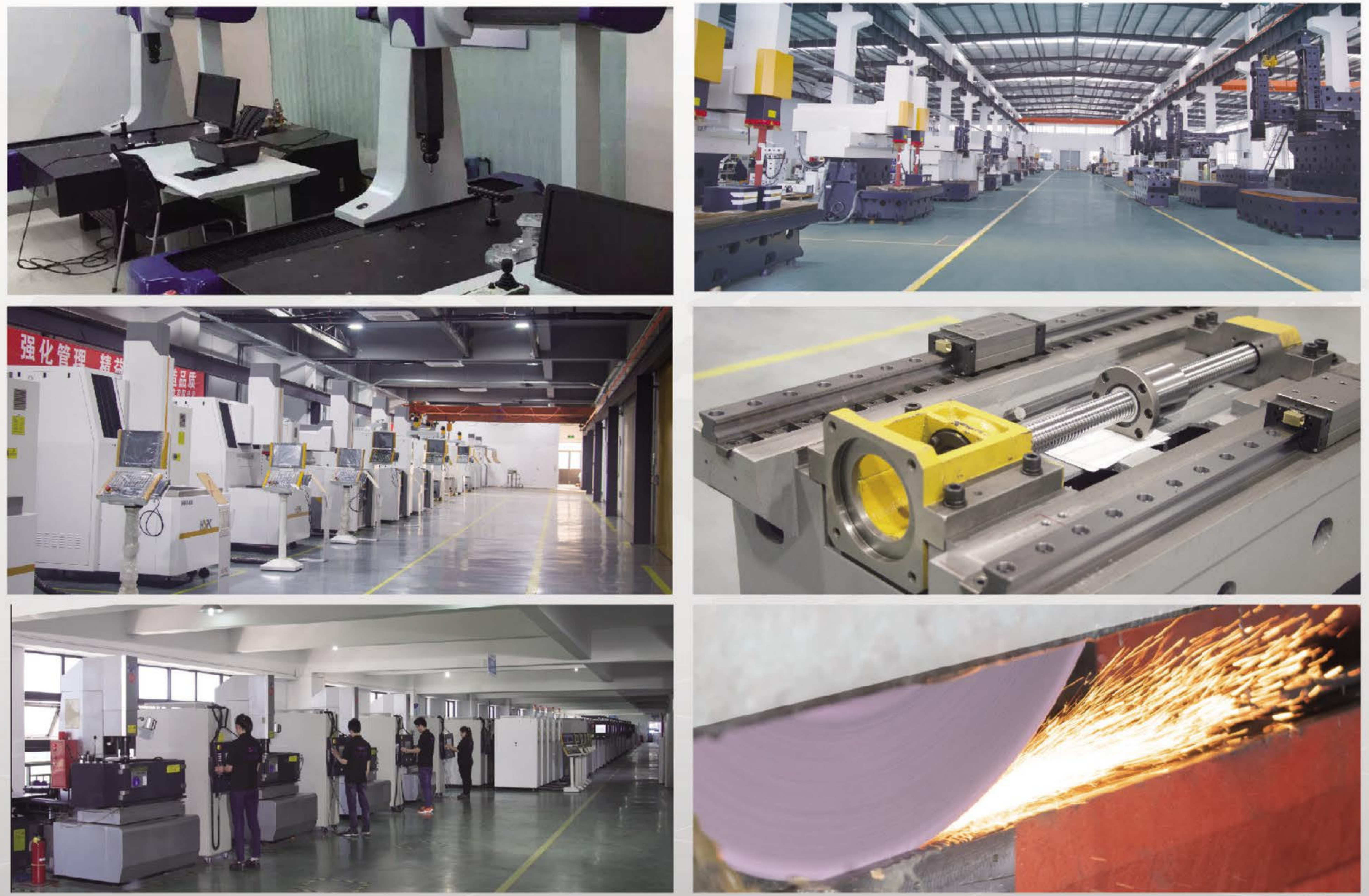
Passion for innovation

HSPK has the spirit of independent thinking, we constantly create new products, new solutions and services that can bring innovative applications.

Since established, HSPK has been committed to technological breakthroughs and innovation. The combination of focus on results, innovative approach to solving problems, and the passion for finding the right answers keeps the company dynamic.

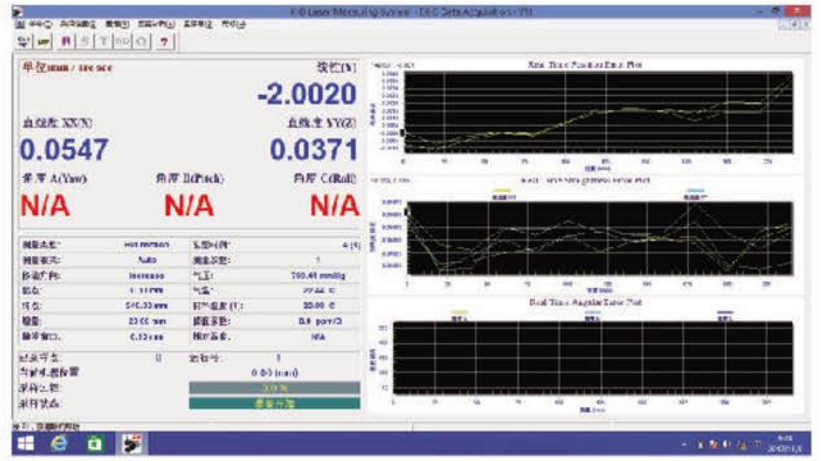
HSPK works closely with customers to develop solutions and breakthrough products that are truly beneficial to customers. We will always keep a down-to-earth attitude, continuous innovation to provide better service for our customers.

Manufacturing plant



Precision measurement

UK Renishaw roundness detection



USA API laser interferometer for testing

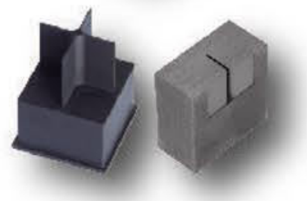
Sample display

Sample name: Surface finishing

Workpiece material	Electrode material	Electrode size	Number of electrodes	Processing depth	Roughness	Processing time
S136	Red copper	ϕ30	2	2.5mm	Ra0.1	6 hours

Sample name: Spherical/Diamond-shape finishing

Workpiece material	Electrode material	Electrode size	Number of electrodes	Processing depth	Roughness	Processing time
S136	Red copper	ϕ30	2	12mm	Ra0.1	7 hours



Sample name: Cross rib

Workpiece material	Electrode material	Electrode size	Number of electrodes	Processing depth	Roughness	Processing time
S136	Graphite (-7)	0.15	2	20mm	Ra0.125	2 hours and 20 minutes

Sample name: Blade mold

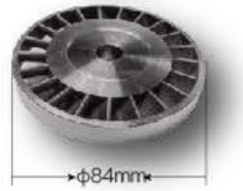
Workpiece material	Electrode material	Electrode size	Number of electrodes	Processing depth	Roughness	Processing time
Tungsten steel-YG15	Red copper	20*20mm	3	1.0mm	Ra0.6	2 hours and 45 minutes

Sample name: Phone case

Workpiece material	Electrode material	Electrode size	Number of electrodes	Processing depth	Roughness	Processing time
S316	Red copper	110*55	1	-1.7mm	Rmax0.8	6 hours

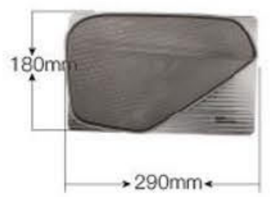
Sample name: Connector

Workpiece material	Electrode material	tolerance	Number of electrodes	Roughness	Processing time
SKD61	Red copper	±0.005	2	Ra0.45	1 hour 10 minutes



Sample name: Turbine blade

Workpiece material	Electrode material	Electrode size	Number of electrodes	Processing depth	Roughness	Processing time
Titanium alloy	Red copper					2 hours/cavity



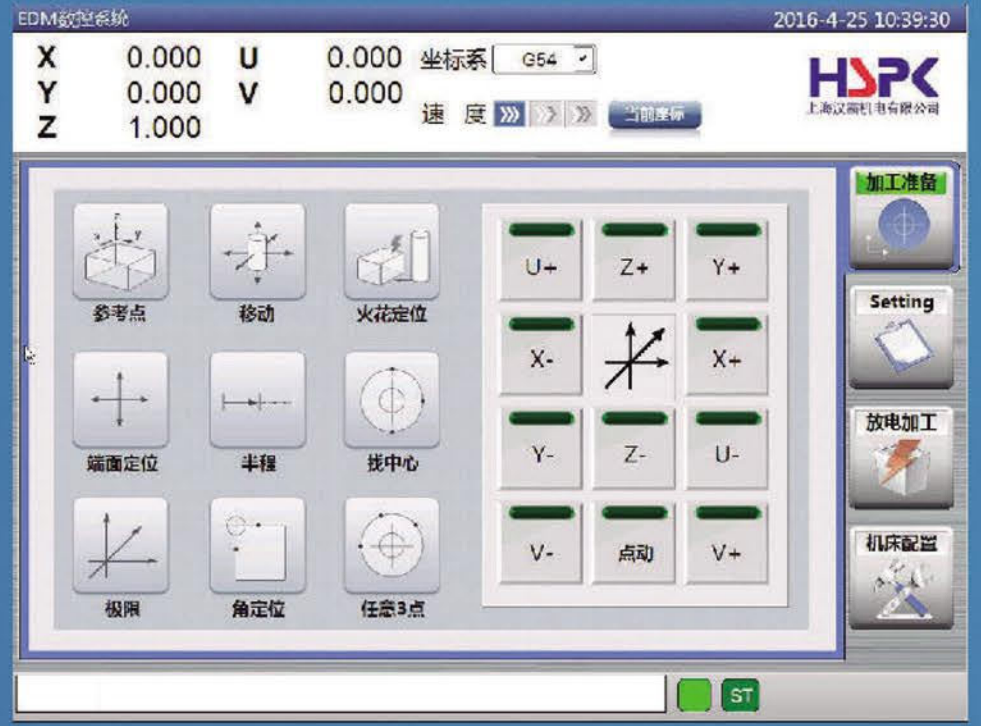
Sample name: Auto speaker

Workpiece material	Electrode material	Spark bit	Number of electrodes	Processing depth	Roughness	Processing time
S316	graphitePOCO-3	0.12	2	1.3mm	Ra1.0(VDI 20)	18 hours of rough work Seiko 10 hours

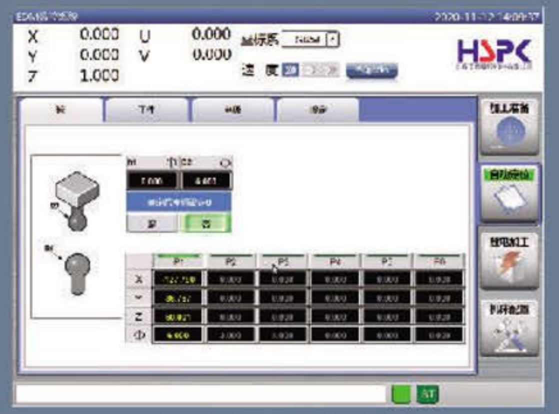
Multi-function Windows operation system

New operating mode

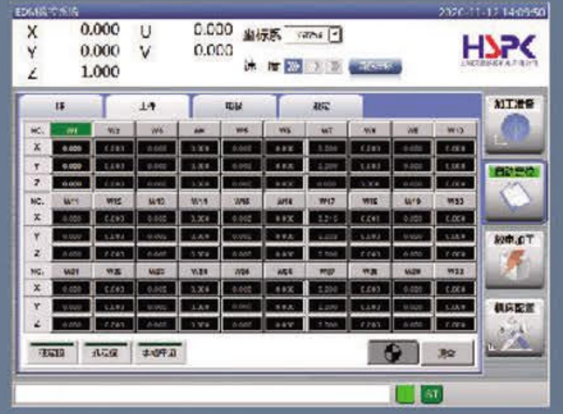
The new operation mode colludes with the data relationship between "reference ball", "workpiece", "electrode" and "processing setting", and the system automatically generates processing tasks (processing position + discharge parameters + ATC), which greatly simplifies the operation steps and greatly reduces Manual intervention and empirical value dependence can maximize the efficiency of processing preparation and realize the guided intelligent operating system without coordinate system operation in the whole process.



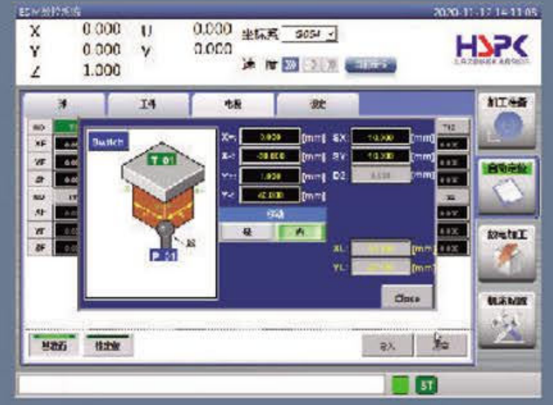
Reference ball



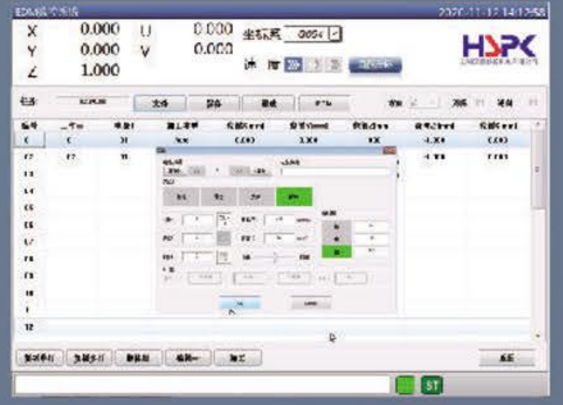
Workpiece positioning



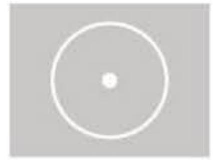
Processing settings

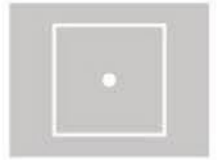


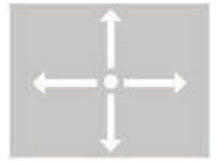
Electrode positioning

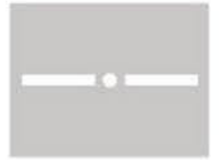


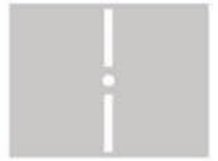
Orbiting function

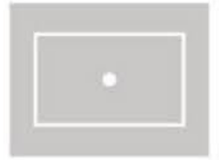

Round orbiting

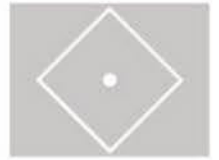

Square orbiting

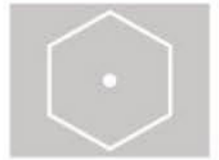

Cross orbiting

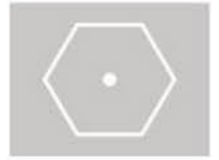

X axis orbiting

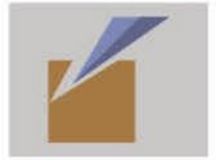

Y axis orbiting

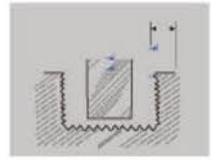

Rectangle orbiting

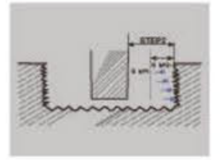

Rhombus orbiting

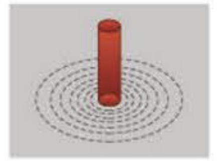

Hexagon 1

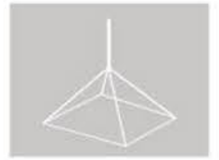

Hexagon 2

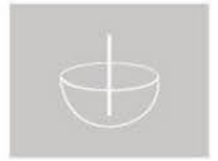

Multi-axis side orbiting

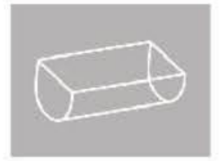

Segment orbiting 1


Segment orbiting 2


Center shaft orbiting


Triaxial radiation


Spherical orbiting


Barrel shape orbiting

Processing auxiliary function

- Machining center offset
- Processing pause and return
- Processing short back
- Real time measurement(Centering)

Advanced lift function

- High speed tool lifting
- High speed short lifting
- Auxiliary slow lifting
- Back center tool lifting
- Original path lifting
- Tool lifting reset setting

API data interface

- The mold can be expanded to automated production lines, MES, ERP, etc.
  The system provides machine tool processing data.
- Interface: OPC\UA\FTP\HTTP\WEB etc.

Advanced processing functions

New AUTO

New programming mode

Offset compensation

Lateral arc

Auxiliary slow lift
ATC automatic tool change

Multi-axis diagonal

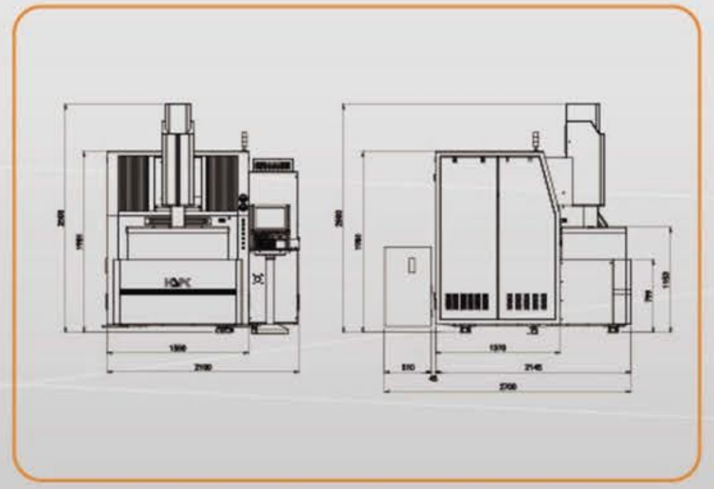
CNC power supply device

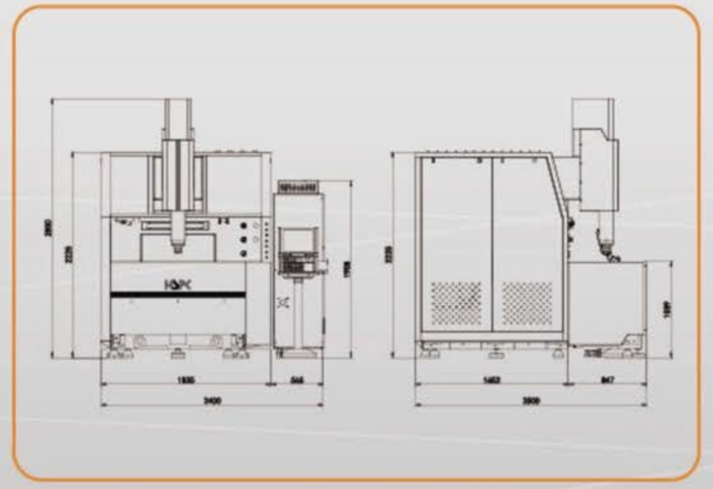
CNC power supply device	Specification
Operating system	Windows
Language	Chinese·English·Korean·Japanese·Western
CNC instructions	Standard ISO G code
Number of control axes	Three-axis linkage
Display method	15 inch LCD
Input	Touch screen keyboard
Transfer method	USB LAN
Storage method	32G SSD
Drive type	AC servo drive
Status light	Red·Yellow·Green
Best finish	Ra≥0.2um
Maximum processing current	50A (select 100A)
Maximum processing efficiency	500mm³/min
Minimum electrode loss	≤0.1%
Minimum drive unit	0.001
Maximum lifting speed	10m/min
Fire protection device	Automatic control
Input power	AC380V 50-60Hz
Total input power	13KVA/22KVA

CNC — VX PRECISION SERIES

VX45

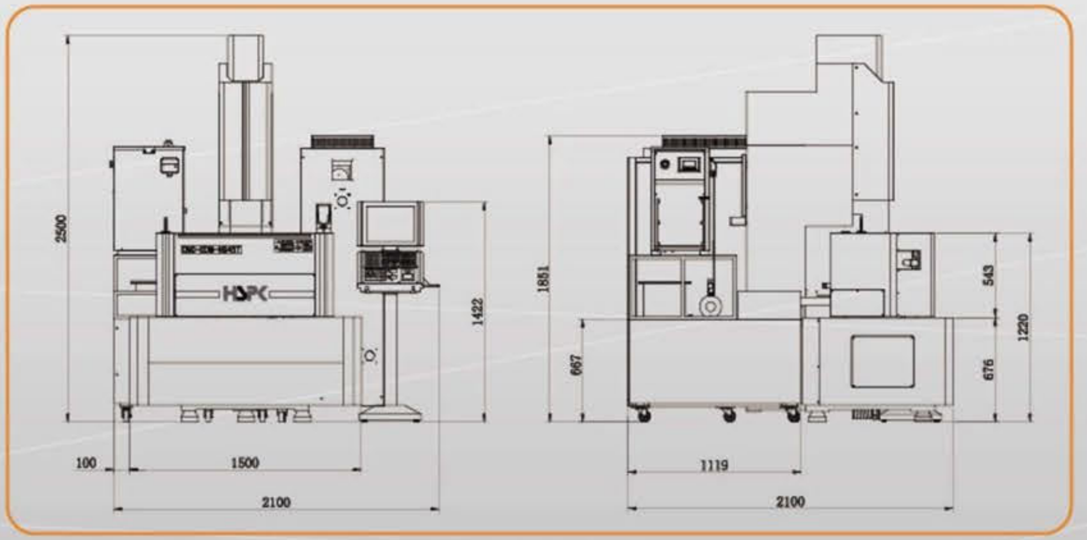
Technical Specification	unit	VX45	VX60
X/Y/Z Travel	mm	450*300*300	600*400*350
Worktable size	mm	600*400	750*550
Distance between electrode plate and worktable	mm	200–500	200–550
Maximum electrode load	kg	50	80
Maximum workpiece weight	kg	800	1500
Ground to worktable distance	mm	810	900
Filtration accuracy	um	5	5
Working tank size	mm	900*600*360	1000*650*400
Oil level control		Automatic	Automatic
Max. oil height	mm	300	350
Oil tank capacity	L	600	900
Machine overall dimension	mm	2100*2700*2500	2370*2500*2770
Working tank open–close way		Lifting	Auto lifting
Lubrication system		Automatic	Automatic
Machine net weight	kg	4500	7500



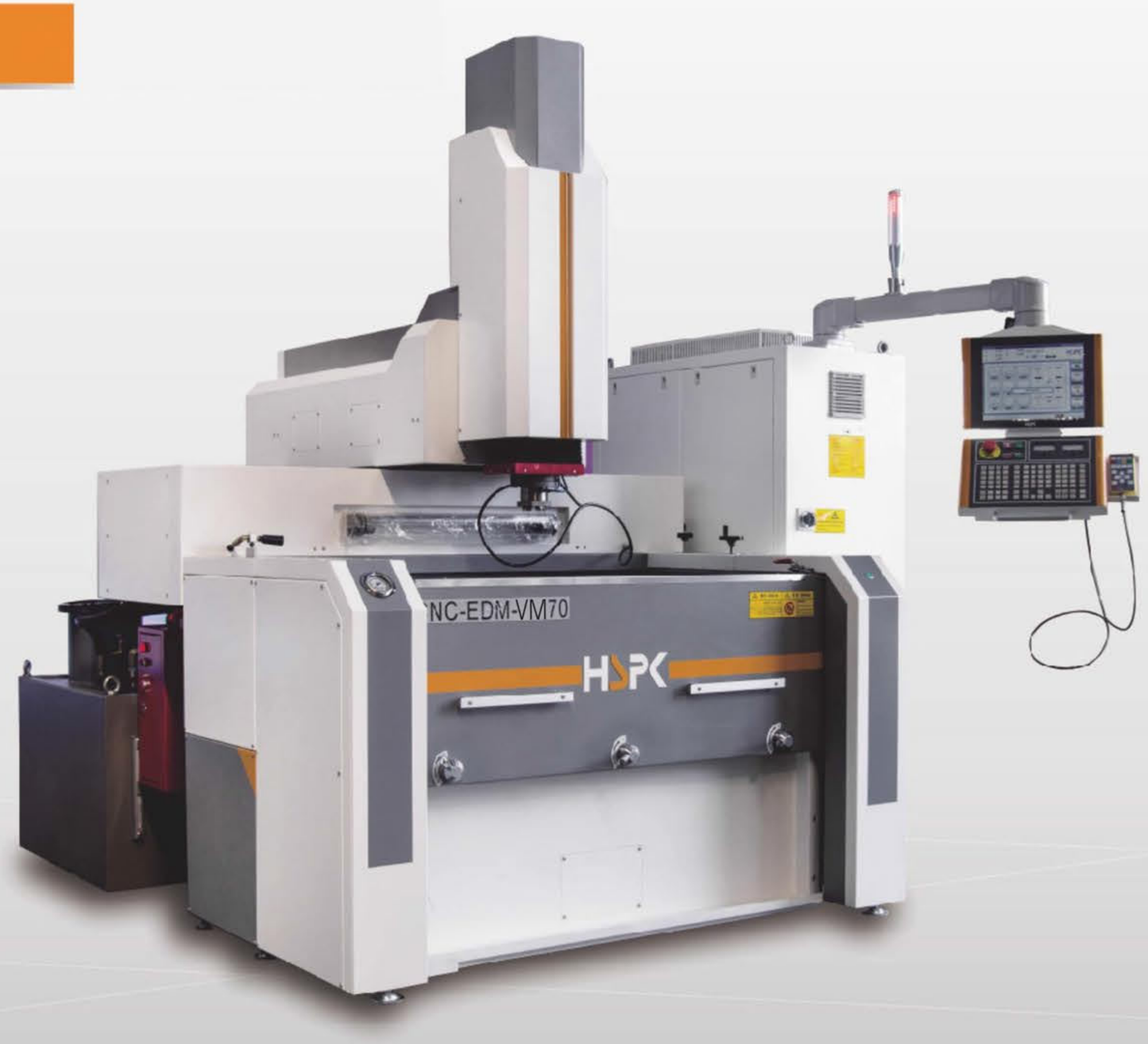


VM45A

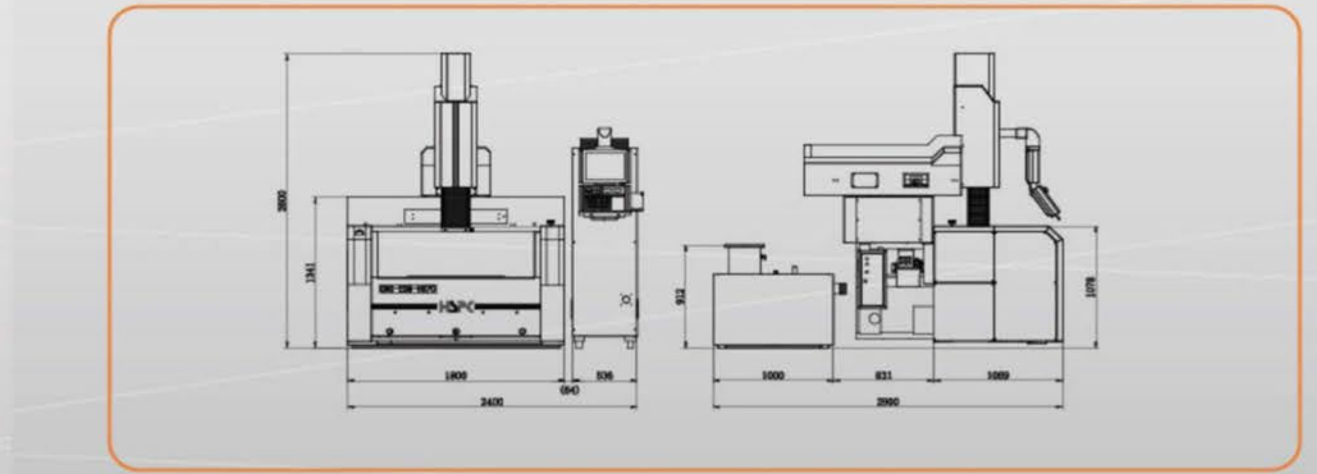
Technical Specification	unit	VM45A
X/Y/Z Travel	mm	450*300*300
Worktable size	mm	600*400
Distance between electrode plate and worktable	mm	300–600
Maximum electrode load	kg	50
Maximum workpiece weight	kg	800
Ground to worktable distance	mm	860–800
Filtration accuracy	um	5
Working tank size	mm	1000*640*450
Oil level control		Manual
Max. oil height	mm	350
Oil tank capacity	L	520
Machine overall dimension	mm	2100*2100*2500
Working tank open–close way		Up/down manual
Lubrication system		Manual
Machine net weight	kg	3000



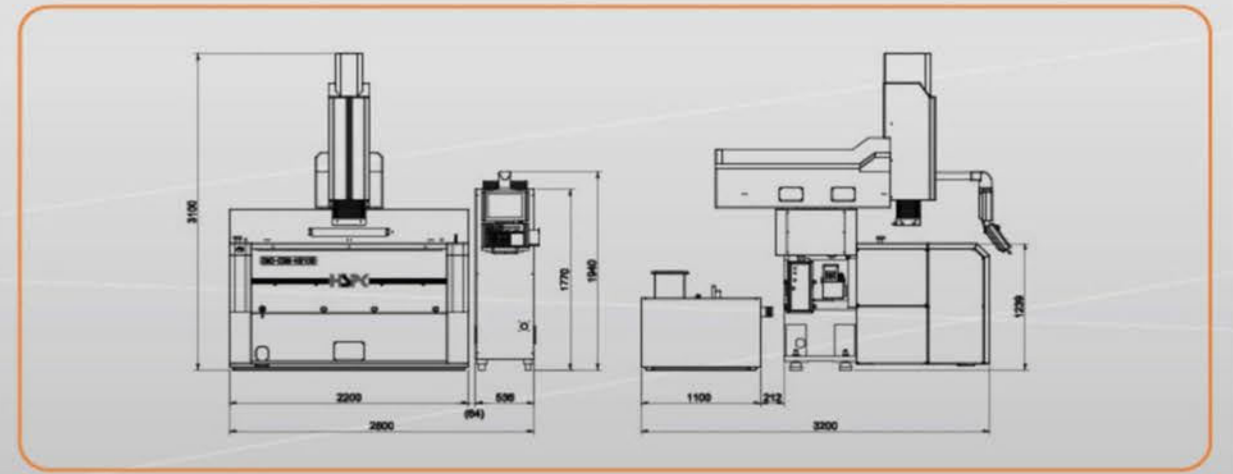
VM70 / VM100



Technical specification	Unit	VM70	VM100
X/Y/Z Travel	mm	700*400*300	1000*500*400
Worktable size	mm	800*500	1200*600
Electrode plate to worktable	mm	400–700	500–900
Max. electrode weight	kg	80	80
Max. workpiece weight	kg	3000	4000
Ground to worktable distance	mm	640~660	690-710
Working tank size	mm	1400*850*500	1800*1100*600
Oil capacity	L	700	1200
Machine dimension	mm	2400*2900*2600	2800*3200*3100
Machine net weight	kg	4500	6000
Lubrication system		automatic	automatic
Max. Oil height	mm	400	500
Working tank open-close way		Up/down manual	Up/down manual
Oil level control		Manual	Manual
Filtration accuracy	μm	5	5
Oil tank size	mm	1800*1000*500	2200*1100*550



VM70

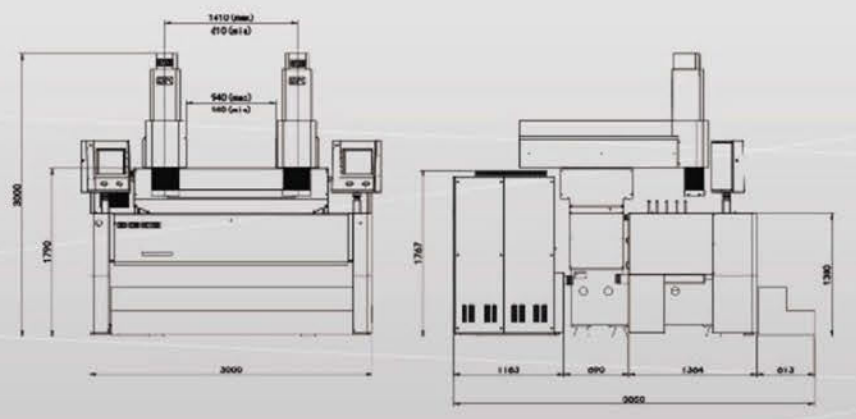


VM100

VMD110

CNC-EDM-VMD110
HSPK

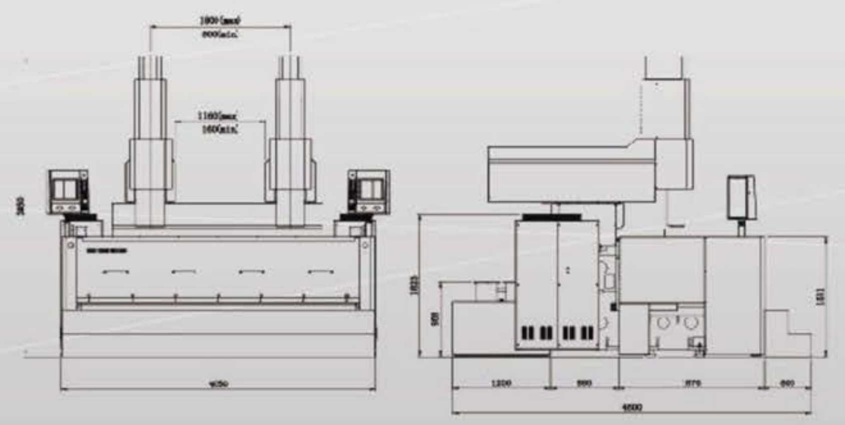
Technical Specification	unit	VMD110
X/Y/Z Travel	mm	700/700*500*400
Worktable size	mm	1300*600
Electrode plate to worktable distance	mm	500-900
Max. electrode weight	kg	80
Max. workpiece weight	kg	6000
Ground to worktable distance	mm	690-710
Working tank size	mm	2100*1100*600
Oil capacity	L	1700
Machine dimension	mm	2900*2950*2950
Machine net weight	kg	8000
Lubrication system		Automatic
Max. Oil height	mm	500
Working tank open-close way		Up/down manual
Oil level control		Manual
Filtration accuracy	um	5
Oil tank size	mm	2950*1200*675



VMD150

D-EDM-VMD150
HSPK

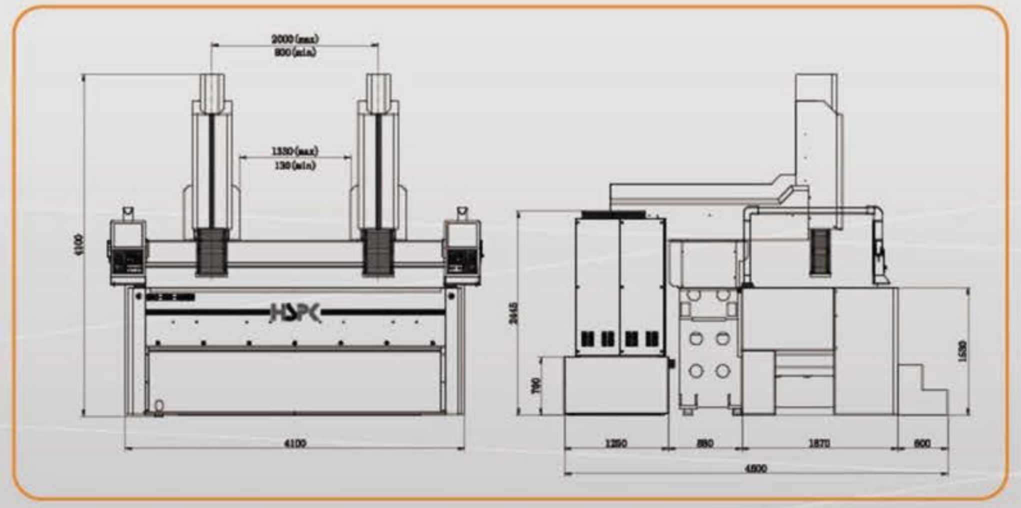
Technical Specification	unit	VMD150
X/Y/Z Travel	mm	1000/1000*600*500
Worktable size	mm	1700*900
Electrode plate to worktable distance	mm	500-1000
Max. electrode weight	kg	150
Max. workpiece weight	kg	9000
Ground to worktable distance	mm	800
Working tank size	mm	2500*1400*700
Oil capacity	L	3500
Machine dimension	mm	3400*4450*3400
Machine net weight	kg	11000
Lubrication system		Automatic
Max. Oil height	mm	600
Working tank open-close way		Up/down manual
Oil level control		Manual
Filtration accuracy	um	5
Oil tank size	mm	3400*1500*730



VMD200

HSPK
CNC-EDM-VMD200

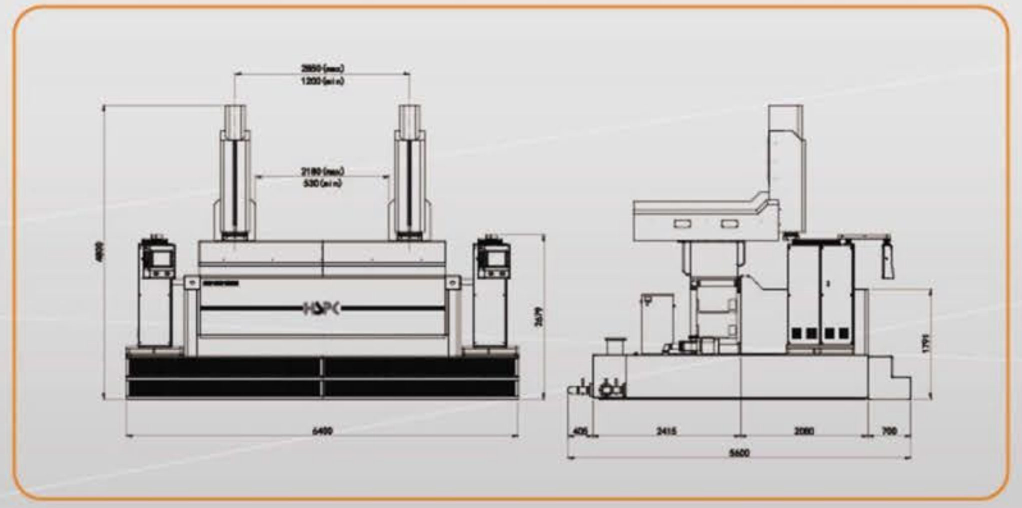
Technical Specification	unit	VMD200
X/Y/Z Travel	mm	1200/1200*800*600
Worktable size	mm	2500*1000
Electrode plate to worktable distance	mm	800–1400
Max. electrode weight	kg	200
Max. workpiece weight	kg	18000
Filtration accuracy	um	5
Working tank size	mm	3500*1900*850
Oil level control		Manual
Max. Oil height	mm	750
Machine dimension	mm	4100*4600*4100
Max. processing circuit	A	50/100
Total input power	KVA	13/22
Lubrication system		Automatic
Machine net weight	kg	15000
Oil capacity		
Flushing processing(Optional)	L	6000
Immersion processing(Standard)	L	2160



VMD280

HSPK
CNC-EDM-VMD280

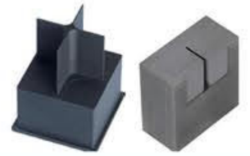
Technical Specification	unit	VMD280
X/Y/Z Travel	mm	1650/1650*800*800
Worktable size	mm	2800*1300
Electrode plate to worktable distance	mm	900–1700
Max. electrode weight	kg	300
Max. workpiece weight	kg	40000
Filtration accuracy	um	5
Working tank size	mm	4000*1900*1000
Oil level control		Manual
Max. Oil height	mm	900
Machine dimension	mm	6400*5600*4800
Max. processing circuit	A	50/100
Total input power	KVA	13/22
Lubrication system		Automatic
Machine net weight	kg	22000
Oil capacity		
Flushing processing(Optional)	L	8000
Immersion processing(Standard)	L	2160



SAMPLE
DISPLAY

Sample Name	Workpiece Material	Electrode Material	Electrode Size
Mirror Finishing	S136	Copper	Φ60
Number of Electrodes	Processing Depth	Roughness	Processing Time
2	2.5mm	Ra0.1	6.5 Hours

Sample Name	Workpiece Material	Electrode Material	Electrode Size
Spherical/ Rhombic Mirror	S136	Copper	Φ30
Number of Electrodes	Processing Depth	Roughness	Processing Time
2	12mm	Ra0.1	7 Hours



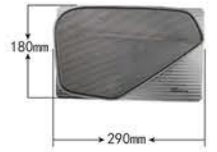
Sample Name	Workpiece Material	Electrode Material	Electrode Size
Cross Rib	S136	Graphite(-7)	0.15
Number of Electrodes	Processing Depth	Roughness	Processing Time
2	20mm	Ra0.125	2 Hours 20 Minutes

Sample Name	Workpiece Material	Electrode Material	Electrode Size
Blade Mold	Tungsten Steel -YG15	Copper	20x20mm
Number of Electrodes	Processing Depth	Roughness	Processing Time
3	1.0mm	Ra0.6	2 Hours 45 Minutes

Sample Name	Workpiece Material	Electrode Material	Electrode Size
Phone Protection Case	S136	Copper	110x55
Number of Electrodes	Processing Depth	Roughness	Processing Time
1	-1.7mm	Rmax0.8	6 Hours

Sample Name	Workpiece Material	Electrode Material	Electrode Size
Connector	SKD61	Copper	±0.005
Number of Electrodes	Roughness		Processing Time
2	Ra0.45		1 Hour 10 Minutes

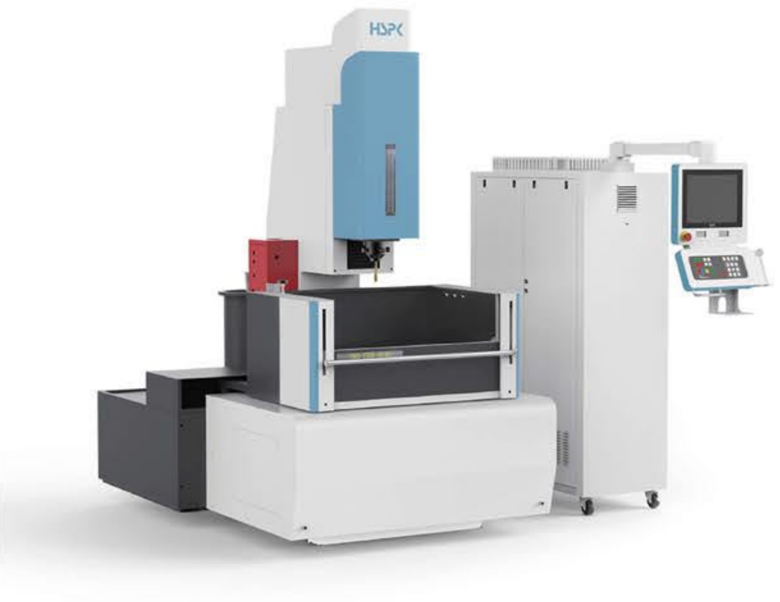
Sample Name	Workpiece Material	Electrode Material	Electrode Size
Turbine Blade	Titanium Alloy	Copper	/
Number of Electrodes	Processing Depth	Roughness	Processing Time
/	/	/	2 Hours/Cavity

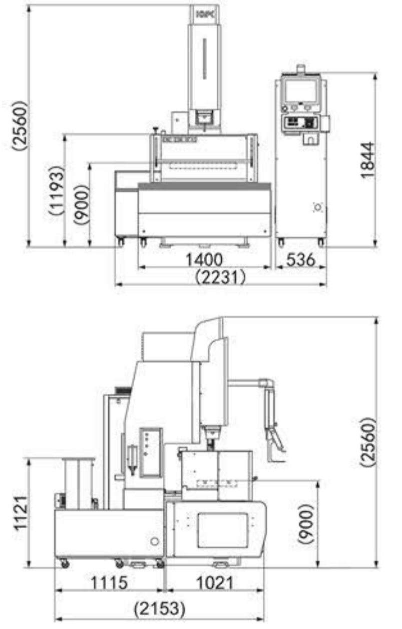


Sample Name	Workpiece Material	Electrode Material	Spark Gap
Speaker	S316	Graphite POCO-3	0.12
Number of Electrodes	Processing Depth	Roughness	Processing Time
2	1.3mm	Ra1.0(VDI 20)	7 Hours For Rough Processing / 10 Hours For Finish Processing

VE45

CNC EDM





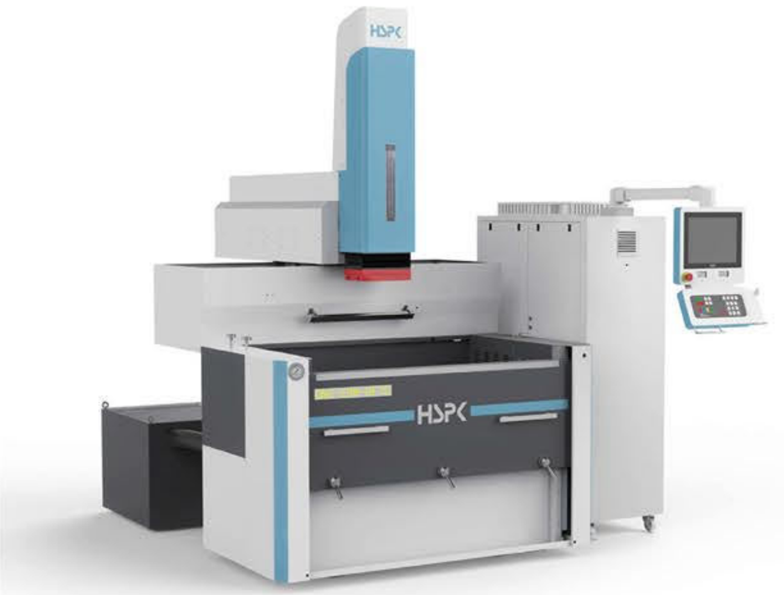
Main Parameters

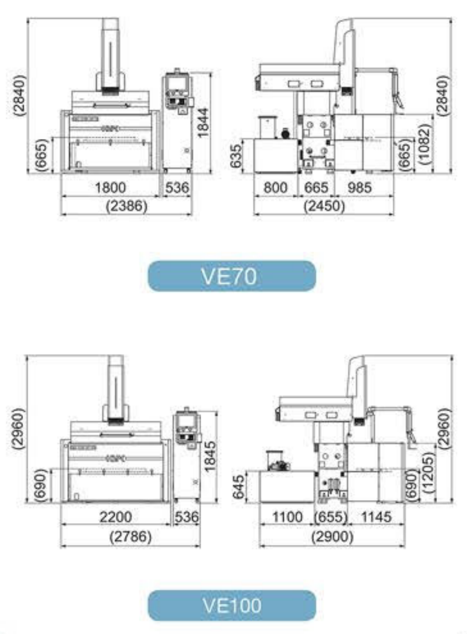
The Company reserves the right of final interpretation of the information content. If there is any change, we will give no further notice.

Machine Model	Unit	VE45
X/Y/Z Travel	mm	450×300×300
Worktable Size	mm	600×400
Distance Between Electrode Plate And Worktable	mm	300~600
Max. Electrode Weight	Kg	50
Max. Workpiece Weight	Kg	800
Height From Worktable To Ground	mm	900
Working Tank Size	mm	900×670×400
Processing Fluid Capacity	L	400
Machine Dimensions	mm	2250×2150×2600
Machine Weight	Kg	2500
Lubrication Type	--	Manual
Max. Liquid Level	mm	200
Working Tank Door Type	--	Upper / lower manual
Level Control	--	Manual
Filter Precision	um	5
Oil Tank Size	mm	1230×1110×1050

VE70 / VE100

CNC EDM





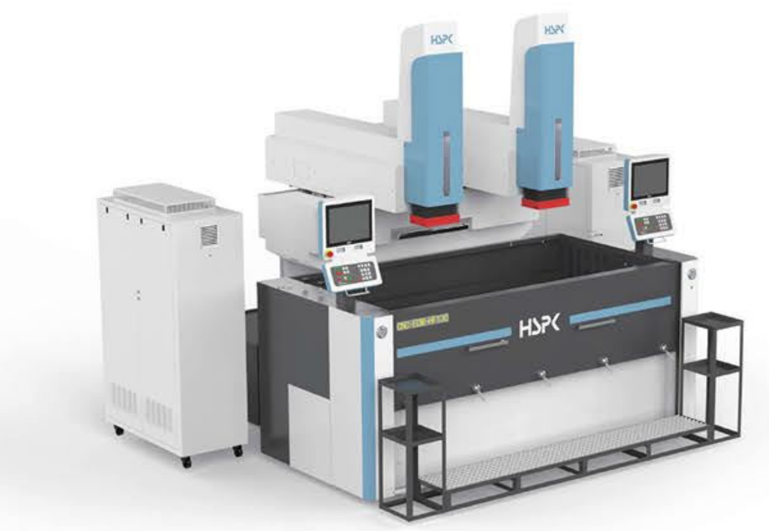
Main Parameters

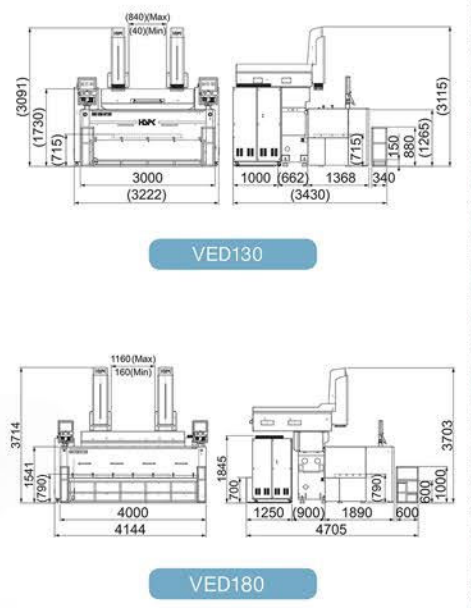
The Company reserves the right of final interpretation of the information content. If there is any change, we will give no further notice.

Machine Model	Unit	VE70	VE100
X/Y/Z Travel	mm	700×400×300	1000×500×400
Worktable Size	mm	900×500	1200×600
Distance Between Electrode Plate And Worktable	mm	480~780	500~900
Max. Electrode Weight	Kg	80	80
Max. Workpiece Weight	Kg	3000	4000
Height From Worktable To Ground	mm	665	690
Working Tank Size	mm	1400×900×470	1800×1050×600
Processing Fluid Capacity	L	800	1400
Machine Dimensions	mm	2400×2900×2600	2800×3000×3000
Machine Weight	Kg	4000	5000
Lubrication Type	--	Manual	Manual
Max. Liquid Level	mm	300	470
Working Tank Door Type	--	Upper / lower manual	Upper / lower manual
Level Control	--	Manual	Manual
Filter Precision	um	5	5
Oil Tank Size	mm	2000×800×635	2500×1100×645

VED130 / VED180

CNC EDM





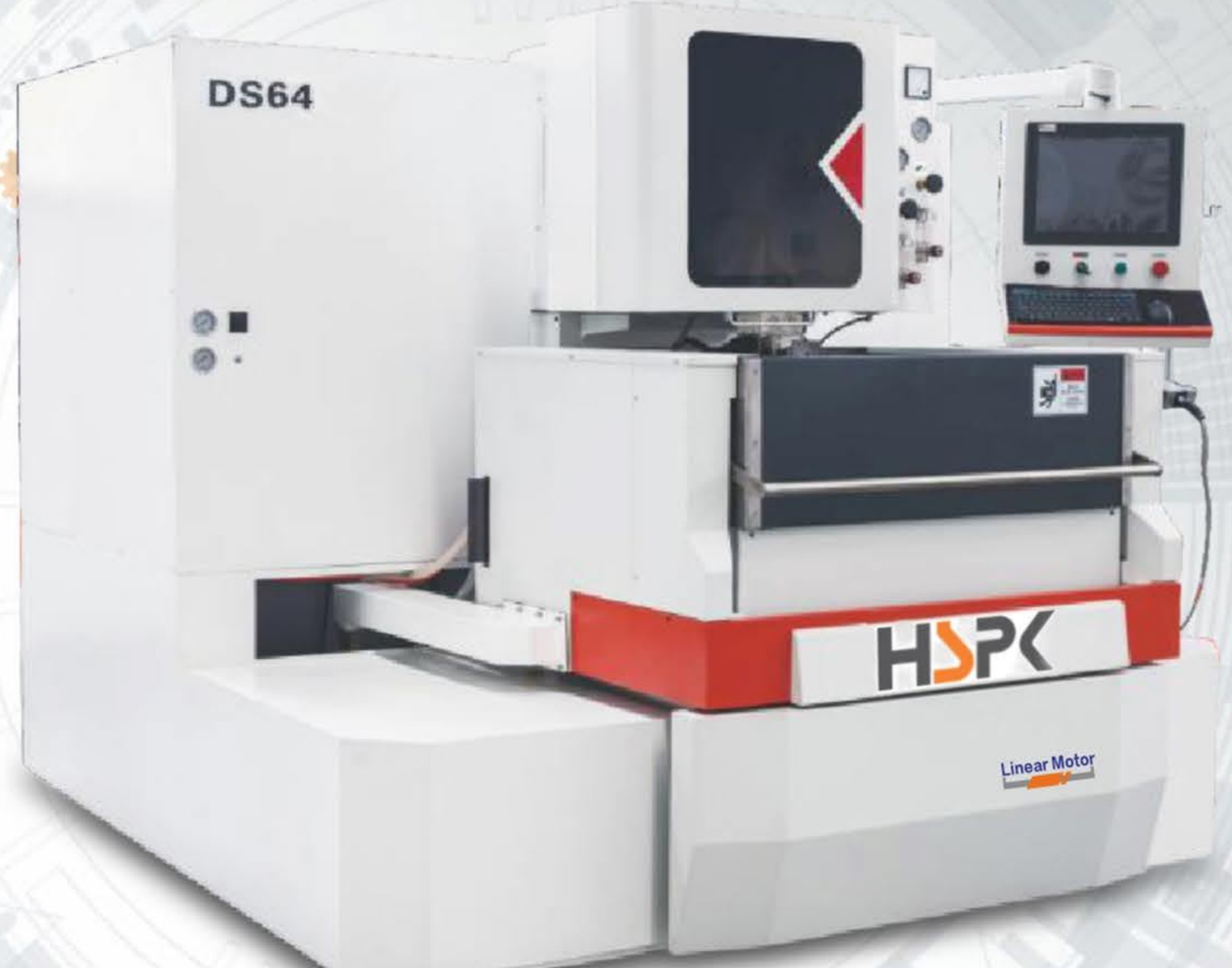
Main Parameters

The Company reserves the right of final interpretation of the information content. If there is any change, we will give no further notice.

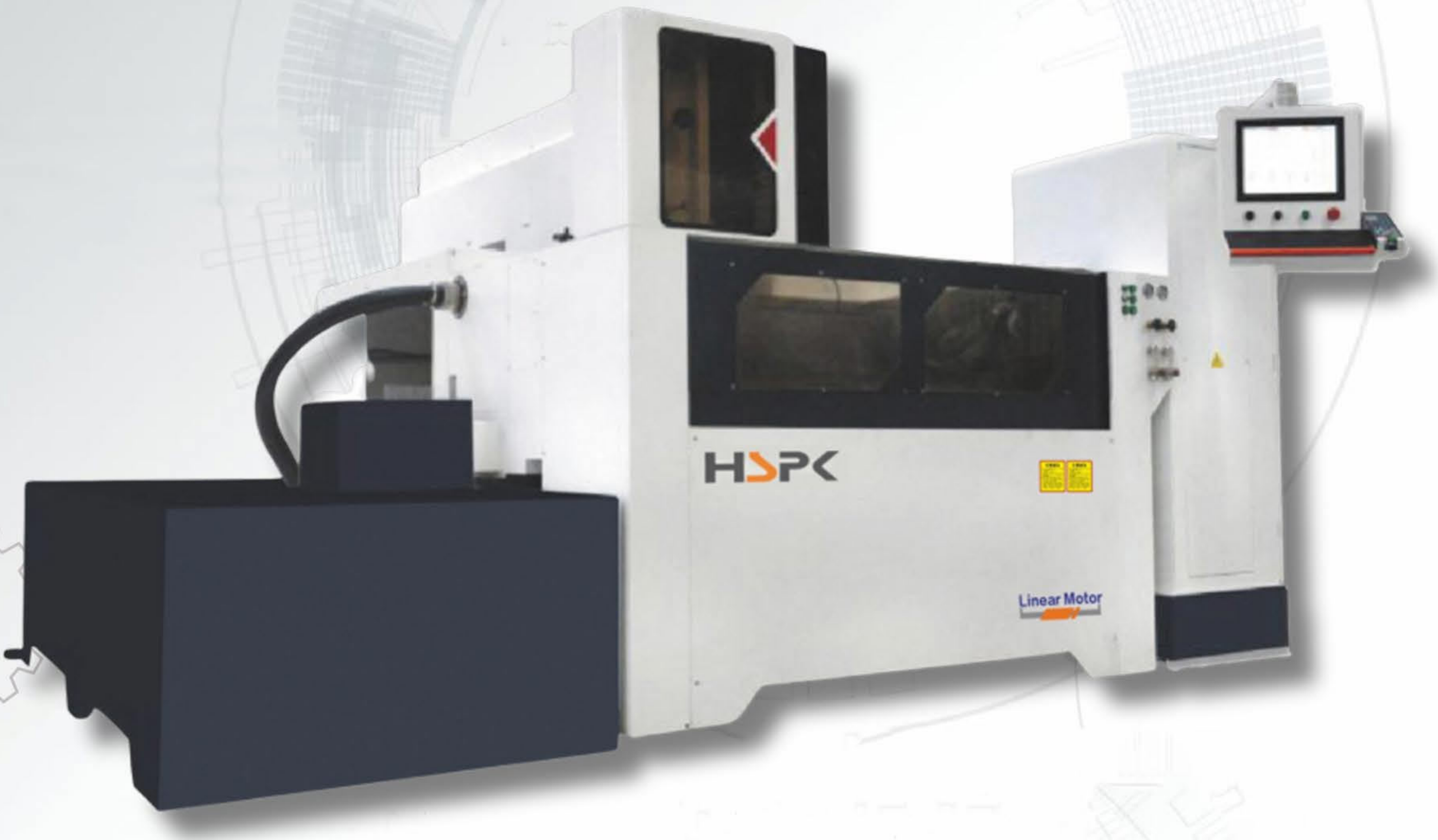
Machine Model	Unit	VED130	VED180
X/Y/Z Travel	mm	L: 800x600x400 R: 800x600x400	L: 1000x700x500 R: 1000x700x500
Worktable Size	mm	1500×800	2000×1000
Distance Between Electrode Plate And Worktable	mm	600~1000	800~1300
Max. Electrode Weight	Kg	150	150
Max. Workpiece Weight	Kg	8000	10000
Height From Worktable To Ground	mm	715	790
Working Tank Size	mm	2500×1250×650	3500×1750×850
Processing Fluid Capacity	L	1000	1800
Machine Dimensions	mm	3222×3430×3115	4144×4705×3703
Machine Weight	Kg	8000	13000
Lubrication Type	--	Manual	Manual
Max. Liquid Level	mm	420	580
Working Tank Door Type	--	Upper / lower manual	Upper / lower manual
Level Control	--	Manual	Manual
Filter Precision	um	5	5
Oil Tank Size	mm	1900×1000×620	2500×1300×700

MÁY CNC -WEDM - DS

DS430/ DS640


DS64
HSPK
Linear Motor

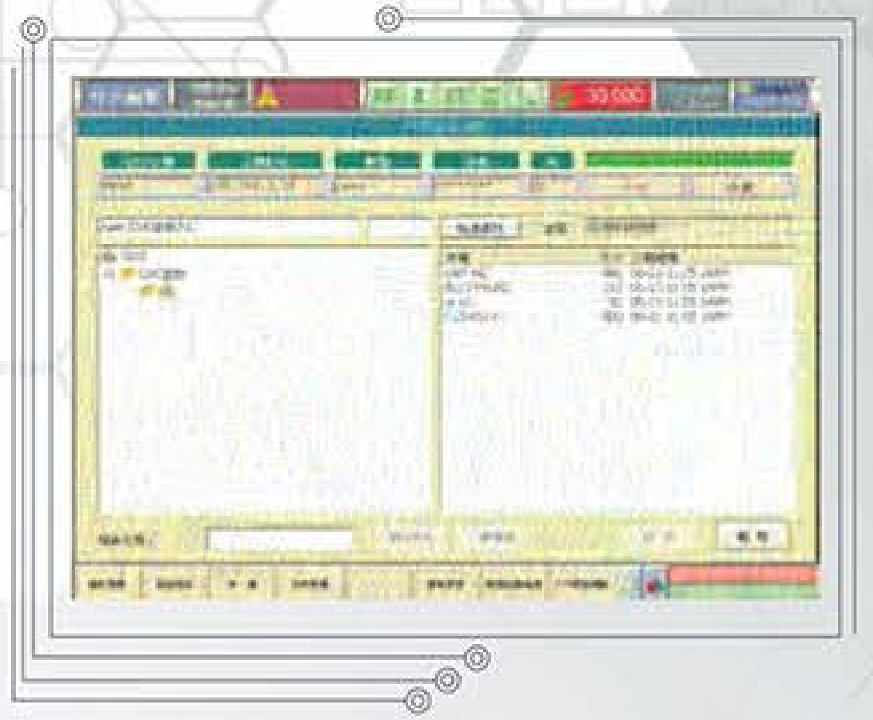
DS870/ DS1280


HSPK
Linear Motor

Windows DS . Controller

Convenient external input/output

External code can be transmitted via USB storage device, Ethernet network or RS232 connection.
The controller's built-in FTP and proximity management functions can directly remotely access program code on servers, improving file management efficiency.



Automatically search and transmit machining parameters

The user searches the parameter database based on the actual machining conditions, and the controller can automatically transfer the appropriate machining parameters to the NC program, greatly increasing the convenience for the user. and the ability to control the NC program.

XDLASER
Laser Measurement System
API Automated Precision Inc.
www.apisensor.com
-2.0020
0.0547
0.0371
N/A
N/A
N/A

USA API laser interferometer for testing

3D laser inspection technology

The actual positioning error of the machine is presented in three dimensions. Using the American API3D laser dimensional measuring device, HSPK not only measures the pitch error, but also can measure the straightness error in the other two directions during linear motion, ensuring accuracy of the machine and complies with ISO 230-6

UK Renishaw roundness detection

Highly reliable automatic threading technology

AC servo wheel, providing stable thread tension control during machining; provides forward and reverse thread control during automatic threading and precise control of wire length. Under the condition of different wire diameters, the system provides trimming and annealing power so that the copper wire gets the best straightness and sharpness of the wire end, which can stably complete the threading process and increase the ratio. automatic threading success rate. The waste wire removal device with electronic roller and high pressure air can reliably remove the waste wire no matter how long the waste wire is.

Linear motor, linear scale

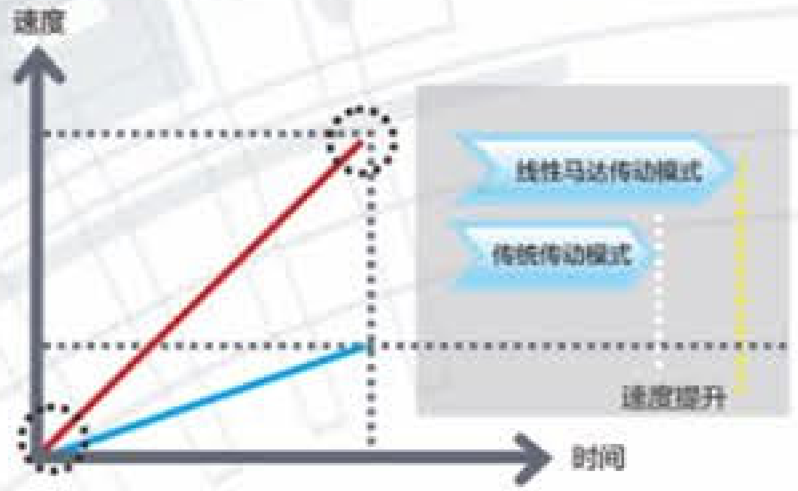
The linear motor is a non-contact actuator, driven by a fully closed loop control method, which has no screw wear problem, has a long service life, and can be machined stably for a long time. . And low frictional impedance can bring high efficiency and high repeatability in machining.

High sensitive servo response speed, make the discharge gap control more stable, and increase the processing speed by 8-10%.

- The XY axis is equipped with a flat linear motor and a u-grade optical ruler as standard, fully closed-loop control, without precision compensation, ensuring the accuracy of the machine tool.

  Fast servo response control, reduce the possibility of short circuit and wire break, and improve overall machining efficiency.

  Low maintenance cost



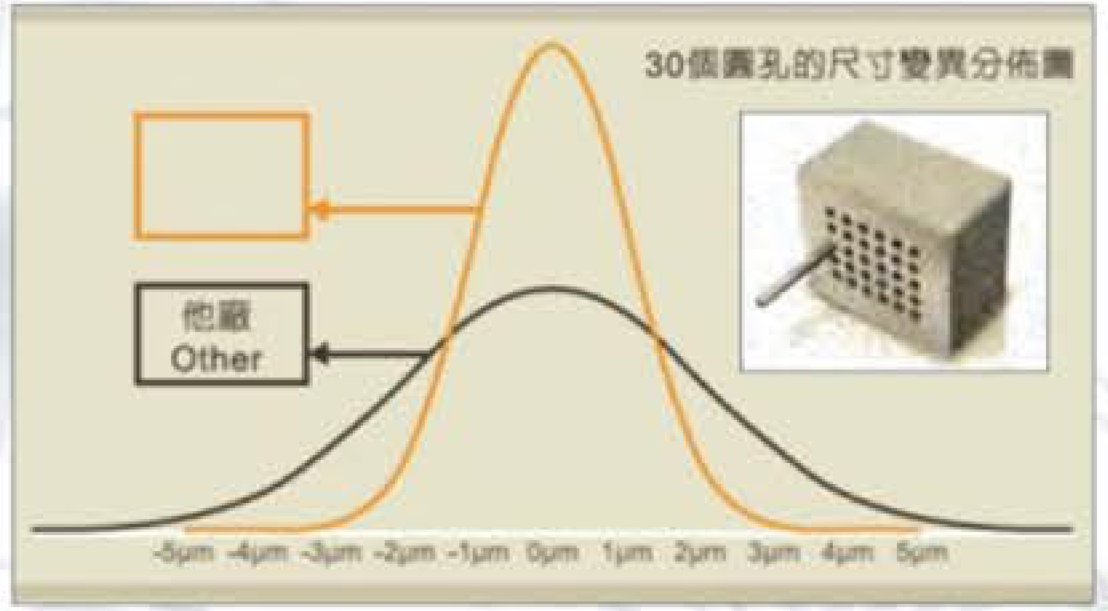
Discharge module helps stabilize SD-Master machining current

High reproducibility accuracy: The same processing parameters can achieve accuracy consistency across different machines, effectively improving mold production quality and simplifying management process.

High-speed machining: SD Master produces stable discharge energy, especially during high-speed machining, continuously maintaining stable machining.

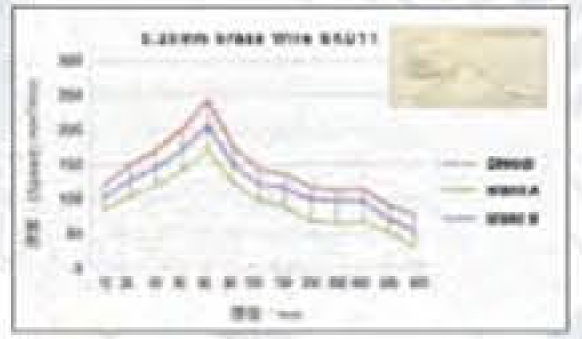
Accuracy reproduction: Continuous machining of 30 3.0mm circular holes, with 95.45% confidence, the size variation range can be controlled within 3 μm.

Machining condition: In the SKD-11 material condition with a thickness of 30 mm, cut four 0.2 mm diameter brass wires and repeat the measurement accuracy; Perform the test under good control at room temperature and outside environment.



The best machining efficiency:

HSPK wire-EDM machine enjoy a high reputation for their high efficiency, ultra-fast cutting speed processing power supplies, especially for machining high-thickness workpieces, far exceeding their European and Japanese counterparts.

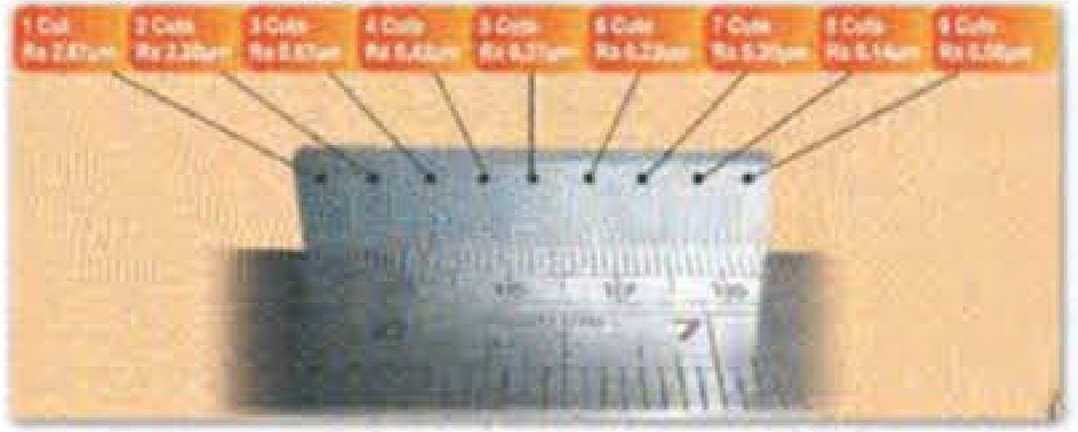


Mirror surface MST Power supply

HSPK Company's unique and industry-leading discharge technology can achieve surface roughness Ra0.18um; workpiece with a thickness of 50mm.

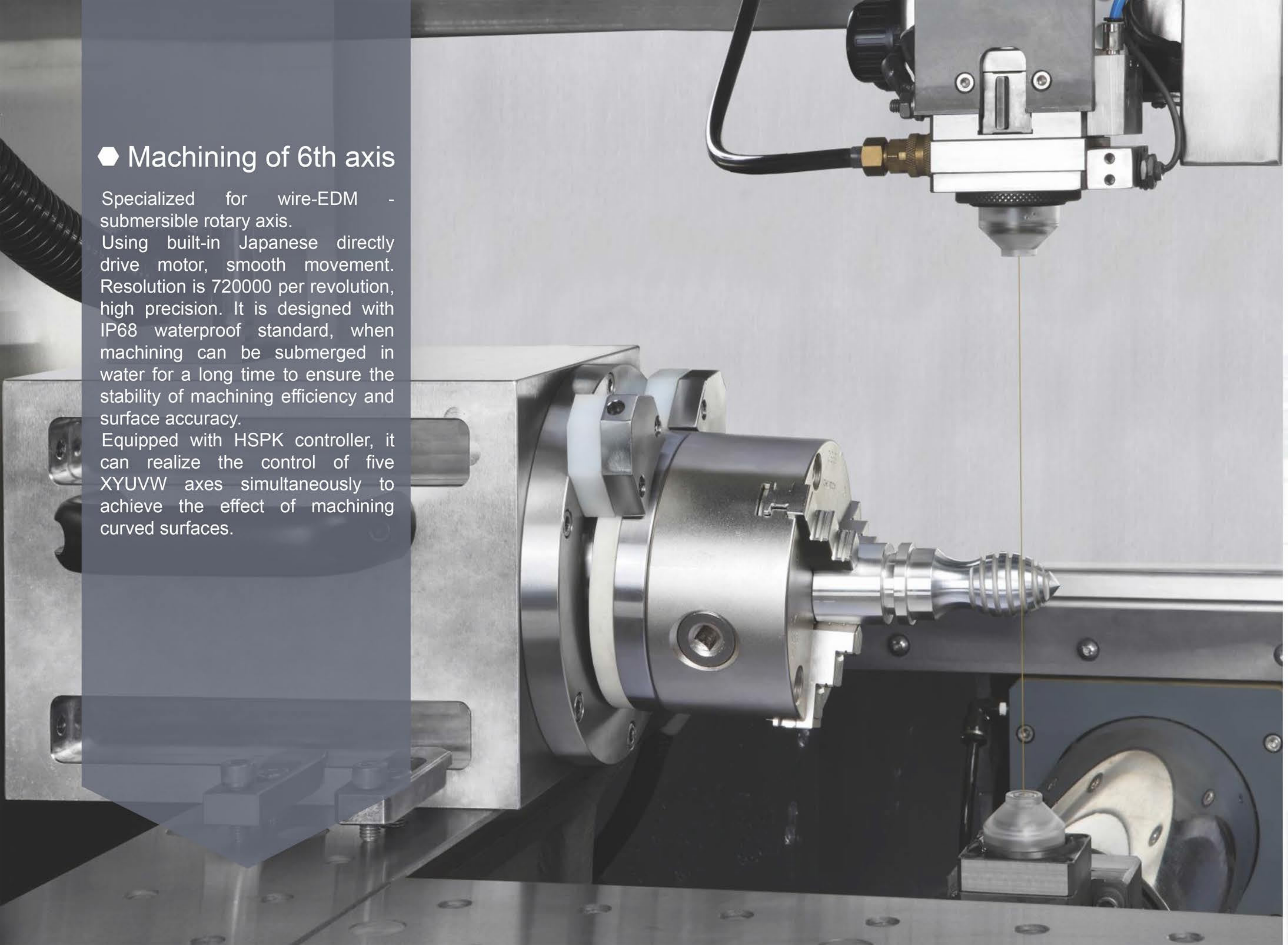
High efficiency power supply

HSPK will write all the main power circuit design into the FPGA chip, which can completely avoid power loss during power transmission, allowing the cutting performance of the machine to maintain high efficiency after many years of use.



Machining Arcs

The automatic controller provides corresponding control parameters based on conditions such as copper wire diameter, angle, arc radius and workpiece thickness, which can machine the optimal angle and arc accuracy while ensuring machining efficiency. Especially in situations where the short-circuit path has continuous rotation angles, the best rotational accuracy can still be achieved.

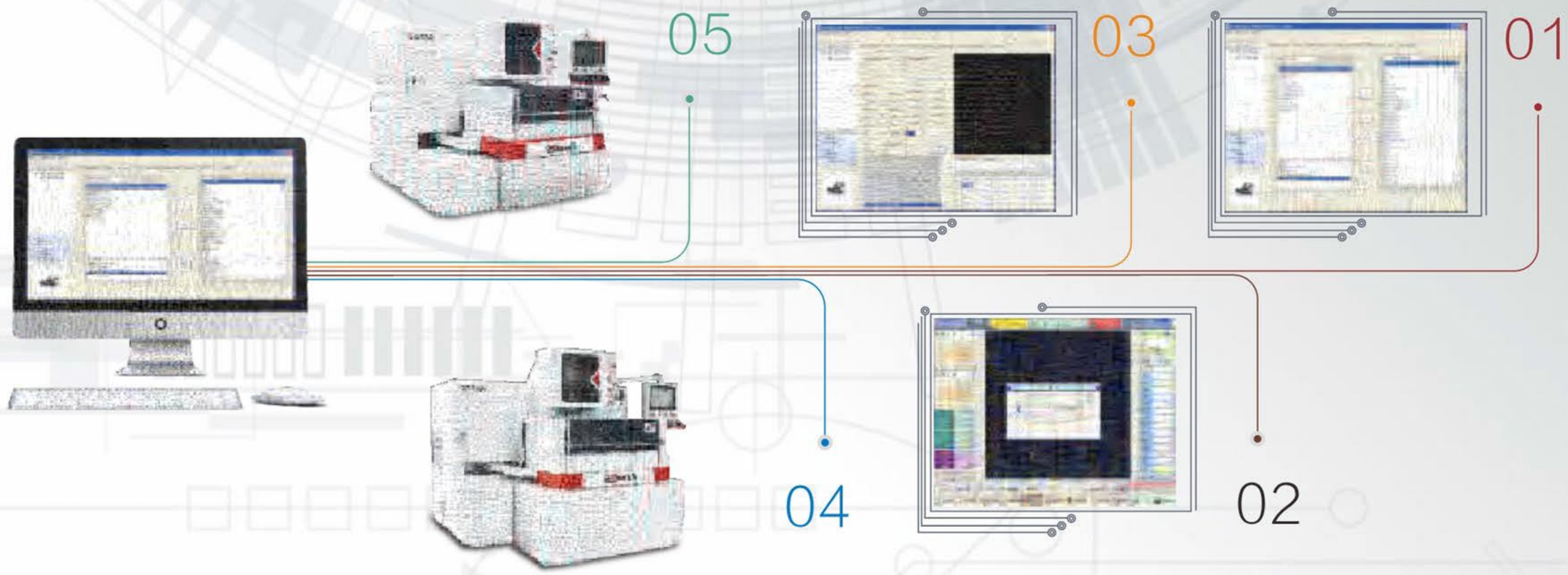


Machining of 6th axis

Specialized for wire-EDM - submersible rotary axis.
Using built-in Japanese directly drive motor, smooth movement. Resolution is 720000 per revolution, high precision. It is designed with IP68 waterproof standard, when machining can be submerged in water for a long time to ensure the stability of machining efficiency and surface accuracy.
Equipped with HSPK controller, it can realize the control of five XYUVW axes simultaneously to achieve the effect of machining curved surfaces.

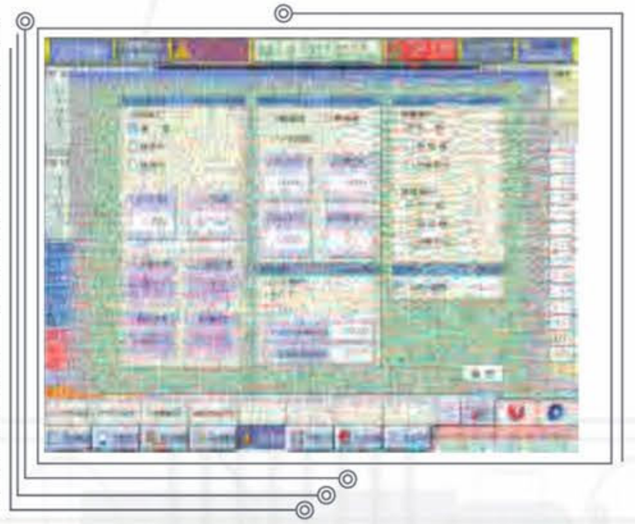
HSPK remote monitoring system

Remote monitoring is a software suite of Windows, easy to install on a computer. Connected to the HSPK machine by Ethernet network, you can monitor the machine's operating status here; Not only that, this system also integrates a program simulation function, so it ensures no errors, then uploaded to the machine, greatly improving the machine's usage speed and ease of management.



BYPASS function

The controller will record the processing information of the mold interrupted during multi-hole machining and automatically switch to the next hole to continue machining. When the last hole is processed, the unfinished hole can be selected from the record and moved to the starting cutting position of the hole for further processing.



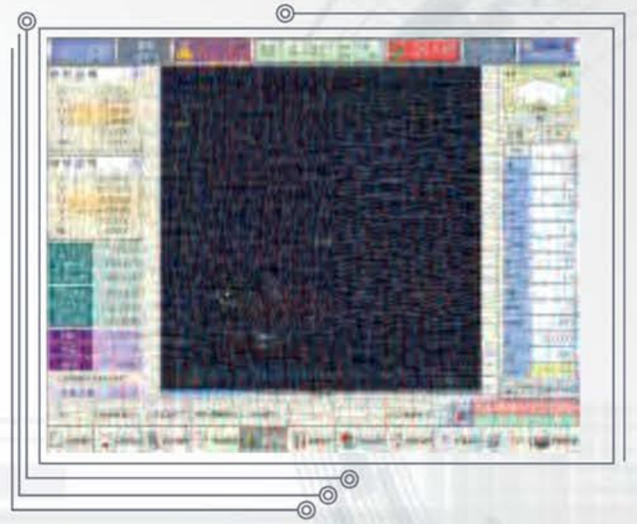
Automation/ Precision machining/ Increasing accuracy.

Chức năng góc

Chức năng hỗ trợ cắt tự động

Chức năng thiết lập lại ngắt điện tự động

Chức năng bỏ qua nhiều phần đơn lẻ



Technical Parameters

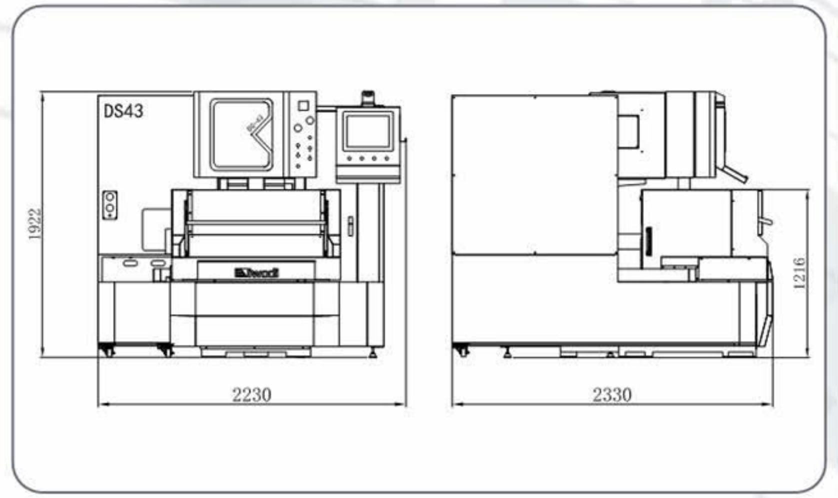
Model/ Parameter	Model DS430	Model DS640	Model DS870	Model DS1280
Maximum workpiece size	880mmx630mmx215mm	990mmx620mmx295mm	1400x1170mmx395mm	1700x1170mmx495mm
X-Y axis	400 x 300 mm	600x400 mm	800×700mm	1200 × 700 mm
U-V axis	60 x 60 mm	100 x 100 mm	200×200mm	150 × 150 mm
Z/W axis	220mm (submerged 150 mm)	300mm (submerged 250mm)	400mm (submerged 395mm)	500mm (submerged 495 mm)
Z/W axis (optional)	/	450mm (submerged 430mm)	/	600mm (submerged 595 mm)
Maximum workpiece loading capacity	400KG	600kg	3000KG	5000KG
Distance from ground to workbench	800~900 mm	1090mm	995~1030mm	995~1030 mm
Maximum jog speed	1000.0mm/min	1000.0mm/min Ø	1500,0mm/phút	1000.0mm/min Ø
Machinable Wire Diameter	0.15 – 0.3mm	0.15 – 0.3mm	0,15 - 0,3mm	0.15 – 0.3mm
Spool maximum load weight	10.0kg	10.0KG	10,0KG	10.0KG
Line tension	0.3 – 2.2kg	0.3 – 2.2KG	0,5 - 2,4kg	0.3 – 2.2KG
The fastest wire speed	220mm/sec	220mm/sec	330mm/giây	220mm/sec
Maximum taper processing angle	±15°/80mm (Nozzle with big angle)	±15°/80mm (Nozzle with big angle)	+/– 15°/80mm (Nozzle with big angle)	+/– 15°/80mm (Nozzle with big angle)
Mechanical weight	2700 kg	3700 kg	8500KG	10000 kg
Mechanical Dimensions	2250mmx2550mmx1980mm	2950mmx2560mmx2210mm	3100mmx3800mmx2500mm	4558mmx3558mmx2500mm
Mechanical color	White, orange	White, orange	White, blue	White, blue
Maximum Power Consumption	15KVA	15KVA	18KVA	15KVA
Supply tank volume	Full water /835L	Full water /850 L	Full water /1600 L	Full water /2500 L
Machining tank volume	Full water /400 L	Full water /400 L	Full water /700 L	Full water /1000 L
Filter	Replaceable paper filter	Replaceable paper filter	Replaceable paper filter	Replaceable paper filter
Water resistance	Bể nước chứa bể lọc ion	Bể nước chứa bể lọc ion	Bể nước chứa bể lọc ion	Bể nước chứa bể lọc ion
Filter tank volume	Full water/14L	Full water/ 14L	Full water /14 L	Full water /14 L
Water temperature control	External cooler	External cooler	External cooler	External cooler

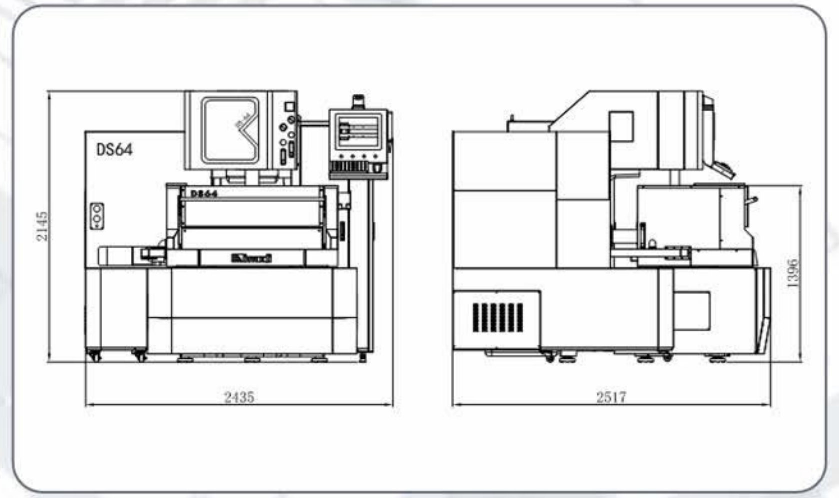
Software

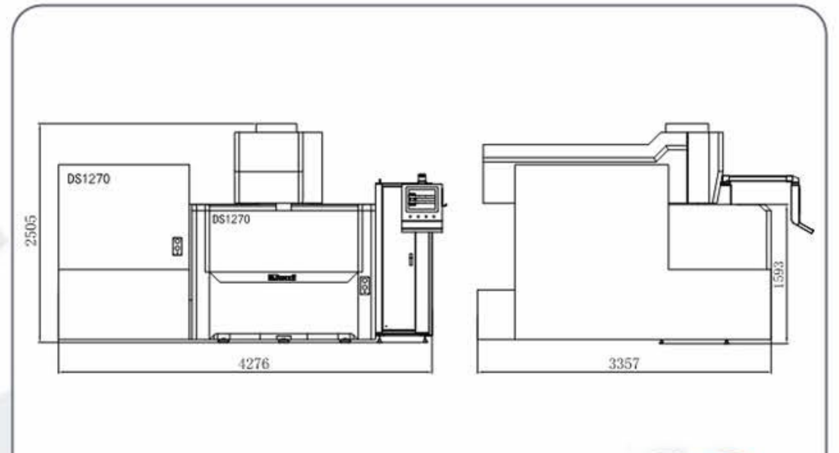
Edit mode	Line / arc
NC file format	8 characters
Program checking	HSPK develops interpreters and compilers
Maximum file size	1 program >1MB (about 1.000.000 characters)
MDI cutting function	Standard
MDI cutting	Manual input
Material use management function	Use time of brass wire/ Wire guides/ Water resistance/ Filter/ Conductivity piece/ Air filter.
Date fomat	day...month...year
Program editing function	Insert/ overwrite, cut/paste, search, replace, reply
Setting function	Find edge, find angle, find inner hole center, outer hole center
Subprogram	M98,M99
Graphics zoom function	0.001 to 1000 times
Auxiliary button	Soft keys
Graphics checking function	Alarm when entering wrong NC code

Operation

Set coordinates	Automatic/manual 8-character
Coordinate list	Coordinate recording / positioning function G54~G59
Setting function	Find edge, find groove, find hole center by 3 points, find by spark
Value	+/-9999.9999
Document manipulation	+/-9999.9999
Edit function	Delete, insert/overwrite, cut/paste, search, replace, reply
Connector	Output port/ Input port, USB
Drawing function	Drawing setting/ Flag input/ Select file/ Drawing / Save drawing
MDI function	Previous step, next step, load, save, execute
NC program editing function	Edit, draw, check
Machining display	Graphic display, process status display, machine status display, selected coordinate display
Remote monitoring system	Cutting coordinates display/cutting speed observation
Maintenance screen	Statistics on the usage of consumable parts
All coordinates displayed	Distance of each axis from coordinate 0 or reference coordinate
NC setting	Parameter processing, correction value, taper setting parameter
Cutting setting	Condition parameters, transmission parameters, auxiliary settings
Communication settings	RS232, mouse, network connection







Household Appliances	Haier	Hisense	Midea	CHANGHONG 长虹	Galanz 格兰仕	GREE 格力	ASD 爱仕达
Auto Parts	BYD	长城汽车 专注 专业 专家		TESLA	DFAC		CHT·世纪华通
Plastic Plastic Molds	华威	方正模具 FANGZHENG TOOl	HI-Tech Moulds	Basis 银宝山新	Nemak	SHUANGLIN GROUP	星宇股份 XINGYU CO., LTD.
Die Casting Die Casting Machine	XUSHENG 旭 升 股 份	IKD 爱柯迪	永茂泰	铭利达		WENCAN	+GF+
Aluminium Material	中国忠旺 China Zhongwang	凤铝 FENGLU	Giansun 江顺科技	華 加 日	Dicastal	TM Glass 铁锚玻璃	XYG 信義玻璃
Hardware Tools	GreatStar 巨 星 科 技	锋 龙 FENGLONG	ysm 云海金属	沿 浦 YANPU	OUBAO 欧宝 OUBAO	大洋电机新动力 BROAD-OCEAN EV	DZ 大中电机
Electronics Telecom	CETC 中国电科	Chunxing 春兴精工	FINGU凡谷	CZT	EON 宜 安	PowerON 东昂光电	TATFOOK
Medical Education	ZS	爱康 AI KANG	JT 健拓医疗 JOYTECH	CONTEC 康 泰 医 学	上海交通大学 Shanghai Jiao Tong University	哈爾濱工業大學 HARBIN INSTITUTE OF TECHNOLOGY	陕西职业技术学院 SHAANXI VOCATIONAL & TECHNICAL COLLEGE

Optional accessories

Manual chuck

Stabilizer

C axis

Oil cooler

Electric cabinet air conditioner

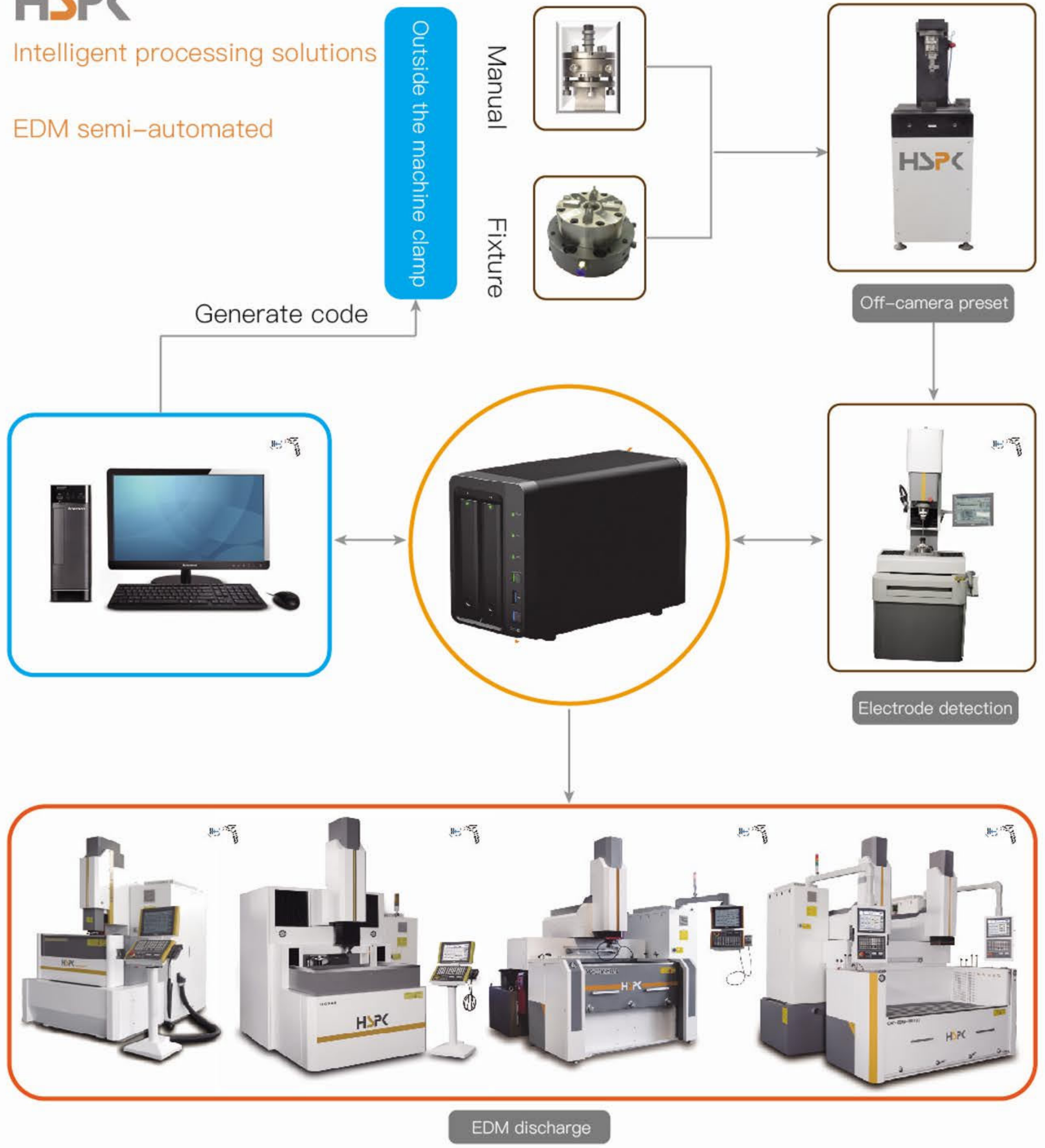
Pneumatic chuck

ATC(4T)

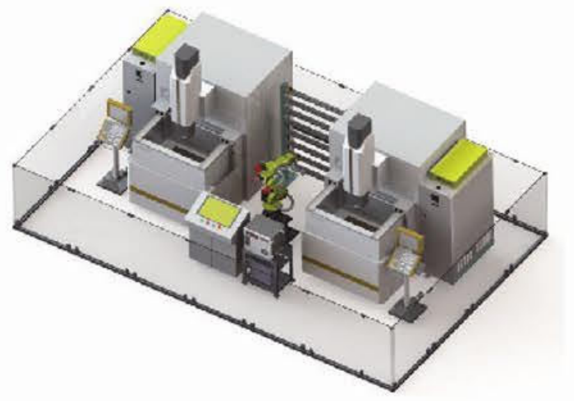
ATC(12/24T)

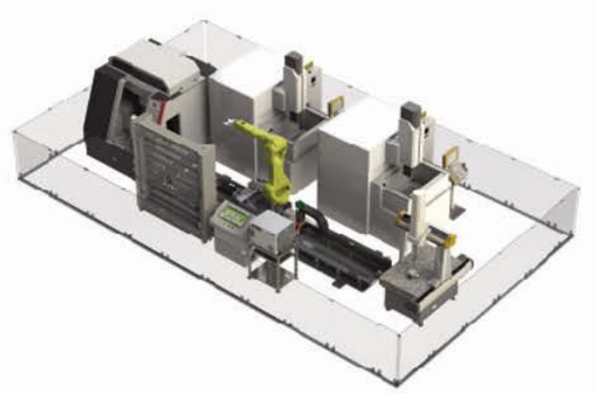
Intelligent processing solutions

EDM semi-automated


Outside the machine clamp
Manual
Fixture
Generate code
Off-camera preset
Electrode detection
EDM discharge

EDM&CCR unit


EDM automation unit


Flexible fully automated production line