

Ipretech Machinery Company Limited



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IPRETECH MACHINERY COMPANY LIMITED

TECHNICAL SPECIFICATION OF DK7745F CNC EDM WIRE CUT FAST SPEED TYPE With $\pm 3^\circ$ taper degree, Cutting speed 15000mm²/hour



Four axes CNC simultaneous control, big taper angle device. Iron resin casting machine body, metallic water fender user-friendly, Central lubrication system, Auto wire tension device, Digital scale and readout, high integrated controller, easier at maintenance and troubles found out, windows basic interface, programmed at AutoCad, simple for operator.



About us

Ipretech machinery company limited is an integrated research & development, manufacturing, import & export as one of the professional CNC machinery tool enterprises. Mainly engaged in a full ranges production of electric sparking series CNC machine and milling machine, machine center, CNC lathe and so on. Our company all products are independent research and development, design and manufacture by advanced design idea & method, the machine body adopts modularization, solid sealed box type structure, after artificial aging qualified castings and a long time the natural aging, obtain complete and reliable stability, with our company independent research and development of the circuit system and software, has excellent mechanical and electrical matching performance, thus greatly improve the stability of product electrical performance.

Under the leadership of our boss Mr. Jia Yi, the company has gained two systems --- ISO9001:2000 Quality System Certification and ISO14001:1996 Environmental System Certification, And own appearance design patent certificate and utility model patent certificate, science and technology enterprise qualification certificate 16pcs, ALSO observe contracts and keep promises etc. qualification and honor. Ipretech machinery have grown up to be one of the Top EDM manufacturer and Exporter in China. Our market covers the United States, Mexico, Brazil, Argentina, Chile, South Korea, Indonesia, Malaysia, Vietnam, India, Pakistan, Russia, Turkey, Egypt, Italy, Poland, the Czech Republic, Hungary and the United Kingdom.

Ipretech Machinery business philosophy are keeping R&D, Dedicated Service” all the ipretech staff are devoting ourselves into company innovation, production and developing. Ipretech machinery have been worked together with many new high-tech enterprise, several colleges and universities. Such as Beijing THU Tsinghua University, Nanjing SouthEast University, Wuhan university of science and technology etc.

Finally, Sincerely wish every of partners and users with a prosperous business together with us.

Thank you for your full trust and kind recognition on us, we will stand by you and offer our best service!

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CUSTOMER INFORMATION	
TRADE INFORMATION	
ORDER INFORMATION	
<p>DK7745F CNC EDM WIRE CUT MACHINE,X-Y-Z traveling 450*630*500mm With ±3° taper degree</p> <p>Feature:</p> <p>Full Iron casting machine frame</p> <p>Automatic wire tension sytem</p> <p>Autocut software</p> <p>Automatic center finding and side finding</p> <p>Automatic alarm and brake system in case of wire breakage</p> <p>Central lubricant pump</p> <p>Maximum current 10A Maximum cutting speed 220mm2/min Ball screw for XY table with Roller bearing.</p> <p>Fine pitch screw for UV moment.</p> <p>Stepper motor for X, Y, U, V axis.</p> <p>Flexible job stand for job mounting.</p> <p>Variable speed AC motor for wire drum assembly.</p> <p>Lowest Running cost.</p> <p>Reciprocating molybdenum wire.</p> <p>Big job thickness.</p> <p>15" colour LCD Display.</p> <p>2D/3D Graphic simulation of wire path.</p> <p>Rotation of programme.</p> <p>Data input from USB.</p> <p>Rotation of Program .</p>	
Options:	
DRO	

Machine Parameters



CODE		WORK TRAVEL	
1	Worktable (WidthxLength)	mm	580*820
2	CNC Type		
3	Autocut Control System/X8 wire cut system		
4	Max.Load Bearing Of Worktable	kg	500
5	X Axis	mm	450
6	Y Axis	mm	630
7	Z Axis	mm	500
8	Taper Angle	°	±3
9	Machine Dimension	mm	1700*1250*1850
10	Machine Weight	kgs	1560
STRUCTURE INDEX			
11	Display Method	DRO(DIGITAL READ OUT)	
12	Wire Diameter	mm	0.18
13	Vertical Controller Weight	kgs	200
14	Power Consumption	kw	1.8
15	Max Working Current	A	10
16	Resolution Of Each Axis	mm	0.001
17	Power Requirement	220/380/415 V, 50/60 Hz for three-phase	
18	Environmental Temperature Requirement	0°C~40°C	
19	Relative Humidity	20%~80%	
ACCURACY			
20	Cutting Accuracy	mm	0.015
21	Roughness Accuracy	um	2.5
22	Cutting Speed	Mm2/min	220

EDM TECHNOLOGY		
1	Pulse Generator	Built-In
2	Wire Feed Technology	Reciprocating Wire Type



3	Program System	Windows Xp Based
4	Dielectric Medium	Soft Water Along With Edm Wire Cut Paste/Oil
5	Dielectric Unit	A. Dielectric Media Dm Water + Edm Wirecut Paste B. Tank Capacity 65 Liters C. Filter Multilayer Filter
DATA INPUT OUTPUT		
6	Software	Autocut(Autocad)
7	Optical Mouse-Usb	
8	Keyboard:	Standard Ascii Keyboard Applicable
9	Usb Ports	02 Numbers
10	CNC controller compatible with pre-loaded cutting programming software package designed for CNC Wire cut EDM machines for cutting of metals plates in 2D shape with draft (Licensed version). Software capability for auto transformation of AutoCAD DWG and DXF files into Machine language.	a. General capabilities: Programmed preview, edit mode and 'DWG/DXF' files transfer to machine language. b. Module giving details of geometry, auxiliary function, manipulations, Dimensions, Macros, Text input etc. c. Display with rotate and zoom options

Standard Accessories

CODE	PART NAME	NUMBER
1	CNC Controller With Color Monitor	01
2	CD Drive	01
3	Part Programming Application Software	01
4	Coolant Unit	01
5	Leveling Pads With Screw And Adjustor	04
6	Job Mounting Clamps	01

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7	Wire Tension Roller	01
8	Wire Feed Drum Handle	01
9	Wire Vertical Block	01
10	Job Mounting Stand And Rails	01
11	Standard Tool Kit	01

Note: Due to production flexibility, there may be some change on part

Sample Workpiece

