



Dishaa[®]

CNC EDM WIRE CUTTING MACHINE

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CNC EDM WIRE CUT MACHINE



| Digital Read Out

| Roller Rail

| Single cut

| Multi-cut (Stepper motor)

Features

- Roller rail for X/Y axis, also called hard rail (V Rail).
- With $\pm 6^\circ$ taper as standard, $\pm 15^\circ$, $\pm 30^\circ$, $\pm 45^\circ$ as option.
- Accuracy: $\pm 0.01/300\text{mm}$
- Roughness: $Ra 1.0-2.5\mu\text{m}$
- Low consumption, material saving.
- Different controller and different software:
- a) High speed single cut controller
- b) Multi-cut controller (which improve the accuracy and finish).

Software: AUTOCAT, X8, HL, HF

All kinds of voltage: 220/380/415/440V

Technical Parameters

Model	DK7720	DK7725	DK7735	DK7745	DK7745F
Table size (mm)	490*380	580*400	740*470	830*570	930*570
X*Y travel (mm)	250*200	320*250	450*350	550*450	630*450
Max. Z travel (mm)	200	350	400	500	500
Max. load on table (kg)	200	250	350	450	450
Cutting speed (mm ² /min)	Standard cutting speed: 110-120, Max. cutting speed: 160-180				
Dimension L*W*H (mm)	1200*900*1300	1300*1100*1500	1500*1200*1650	1700*1350*1700	1750*1400*1700
Net weight (kg)	700	850	1100	1250	1300

Model	DK7750	DK7750F	DK7763	DK7763F	DK7780
Table size (mm)	1000*650	1140*650	1140*750	1350*760	1350*980
X*Y travel (mm)	630*500	800*500	800*630	1000*630	1000*800
Max. Z travel (mm)	600	600	600	600	800
Max. load on table (kg)	800	1000	1200	1400	2000
Cutting speed (mm ² /min)	Standard cutting speed: 110-120, Max. cutting speed: 160-180				
Dimension L*W*H (mm)	1800*1600*1900	1800*1750*1900	2200*1800*2000	2200*2000*2000	2600*2200*2150
Net weight (kg)	1700	1850	2500	2700	3500

Model	DK7780F	DK77100	DK77100F	DK77120F	DK77160
Table size (mm)	1650*990	1650*1150	1900*1150	2000*1300	2600*1780
X*Y travel (mm)	1200*800	1200*1000	1400*1000	1600*1200	2000*1600
Max. Z travel (mm)	800	800/1000	800/1000	800/1000	1000/1200
Max. load on table (kg)	2000	3000	3000	4000	10000
Cutting speed (mm ² /min)	Standard cutting speed: 110-120, Max. cutting speed: 160-180				
Dimension L*W*H (mm)	2600*2400*2150	3000*2800*2500	3000*3000*2500	3400*3200*2600	5300*4800*3000
Net weight (kg)	3900	5200	5800	8500	14000

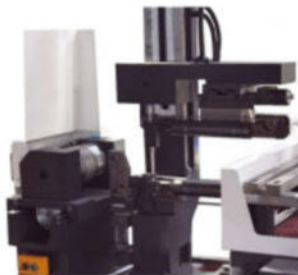
CNC EDM WIRE CUT MACHINE



| Single cut



| Multi-cut



| $\pm 15^\circ$ taper



| $\pm 30^\circ$ taper

Features

- Roller rail for X/Y axis, also called hard rail (V rail).
- With $\pm 15^\circ$ taper, UV roller rail (optional: linear rail).
- With $\pm 30^\circ$, $\pm 45^\circ$ taper, UV linear rail
- Z axis still use normal rail same as standard machine
- Taper cutting accuracy: $\pm 0.05\text{mm}$ ($\phi 10\text{mm}$)
- Roughness: Ra 1.2-3.2 μm
- Different controller and different software:
 - a) High speed single cut controller
 - b) Multi-cut controller (stepper controller)
 - c) Multi-cut controller (servo motor)

Software: AUTOCAT, X8, HL, HF

All kinds of voltage: 220/380/415/440V

Technical Parameters

Model	DK7735A	DK7745A	DK7745FA	DK7750A
Table size (mm)	740*470	830*570	930*570	1000*650
X*Y travel (mm)	450*350	550*450	630*450	630*500
Max. Z travel (mm)	400	400	400	400/600
Max. load on table (kg)	300	450	450	800
Max. taper (°/80mm)	±15°	±15° / 30°	±15° / 30°	±15° / 30° / 45°
Cutting speed (mm ² /min)	Standard cutting speed: 110-120, Max. cutting speed: 160-180			
Dimension L*W*H (mm)	1500*1200*1850	1700*1350*1900	1750*1400*1900	1800*1600*2100
Net weight (kg)	1150	1350	1450	1800

Model	DK7750FA	DK7763A	DK7763FA	DK7780A
Table size (mm)	1140*650	1140*750	1350*760	1350*980
X*Y travel (mm)	800*500	800*630	1000*630	1000*800
Max. Z travel (mm)	400/600	400/600	400/600	600/800
Max. load on table (kg)	1000	1200	1400	2000
Max. taper (°/80mm)	±15° / 30° / 45°			
Cutting speed (mm ² /min)	Standard cutting speed: 110-120, Max. cutting speed: 160-180			
Dimension L*W*H (mm)	1800*1750*2100	2200*1800*2000	2200*2000*2000	2600*2200*2150
Net weight (kg)	1900	2500	2700	3400

Model	DK7780FA	DK77100A	DK77100FA	DK77120FA
Table size (mm)	1650*990	1650*1150	1900*1150	2000*1300
X*Y travel (mm)	1200*800	1200*1000	1400*1000	1600*1200
Max. Z travel (mm)	600/800	800/1000	800/1000	800/1000
Max. load on table (kg)	2000	3000	3000	4000
Max. taper (°/80mm)	±15° / 30° / 45°			
Cutting speed (mm ² /min)	Standard cutting speed: 110-120, Max. cutting speed: 160-180			
Dimension L*W*H (mm)	2600*2400*2150	3000*2800*2500	3000*3000*2500	3400*3200*2600
Net weight (kg)	3800	5200	5800	8500

CNC EDM Machine



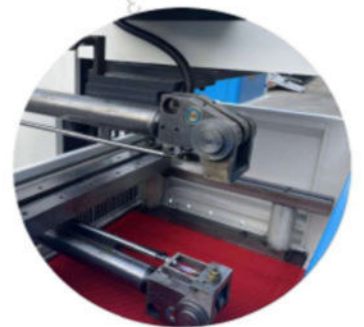
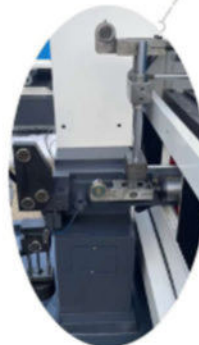
| Single cut



| Multi-cut (Stepper motor)



| Multi-cut (Servo motor)



Features

- Linear rail for XYUVZ axis, and wire drum guide rail.
 - Big taper cutting $\pm 30^\circ$, $\pm 45^\circ$ as option with ceramic nozzle for improving roughness.
 - Taper cutting accuracy: $\pm 0.003\text{mm}(\phi 10\text{mm})$
 - Roughness: Ra 1.0-2.5 μm
 - Different controller and different software:
 - a) High speed single cut controller
 - b) Multi-cut controller (stepper controller)
 - c) Multi-cut controller (servo motor)
- Software: AUTOCAT, X8, HL, HF
 All kinds of voltage: 220/380/415/440V

Technical Parameters

Model	DK7745F TB	DK7750 TB	DK7763 TB	DK7780 TB
Table size (mm)	960*580	1000*650	1140*750	1350*990
X*Y travel (mm)	630*450	630*500	800*630	1000*800
U*V travel (mm)	$\pm 135*135$	$\pm 135*135$	$\pm 135*135 / \pm 200*200$	$\pm 135*135 / \pm 200*200$
Max. Z travel (mm)	400 / 600	400 / 600	400 / 600	400 / 600
Max cutting degree / 80mm height	$\pm 30^\circ$	$\pm 30^\circ / \pm 45^\circ$	$\pm 30^\circ / \pm 45^\circ$	$\pm 30^\circ / \pm 45^\circ$
Max. workpiece weight (kg)	600	800	1200	2000
Wire Dia. (mm)	Molybdenum wire $\phi 0.10 \sim 0.20$ (Special 0.25, 0.30mm)			
Wire speed (m/sec)	11 (single cut) / 2.0-11.0 (multi-cut)			
Max. cutting speed (mm ² /min)	160-180			
Accuracy (vertical) (mm)	$\pm 0.01 / 300\text{mm}$			
Accuracy (taper) (mm)	$\pm 0.03 / 300\text{mm}$			
Best roughness (vertical) (um)	Ra 1.0 (single cut) Ra 2.5 (multi-cut)			
Driving motor	Step motor / AC servo motor* (Optional)			
Power supply	220, 380, 415V/50, 60Hz, 2.5kw			
Dimension L*W*H (mm)	1700*1350*2150	1800*1600*2250	2200*1800*2400	2600*2400*2450
Net weight (kg)	1500	1950	2900	4000

CNC EDM Machine

CNC EDM WIRE CUT MACHINE



| Single cut

| Multi-cut (Stepper motor)



| Multi-cut (Servo motor)



| High Pressure Coolant Tank



| Digital Read Out



| Linear Rail

Features

- Linear rail for X/Y axis, also linear rail for Wire drum guide rail.
 - With $\pm 6^\circ$ taper as standard, $\pm 15^\circ$, $\pm 30^\circ$, $\pm 45^\circ$ as option.
 - Accuracy: $\pm 0.005/300\text{mm}$
 - Roughness: Ra 1.0-2.5 μm
 - Low consumption, material saving.
 - Different controller and different software:
 - a) High speed single cut controller
 - b) Multi-cut controller (stepper controller)
 - c) Multi-cut controller (servo motor)
- Software: AUTOCAT, X8, HL, HF
 All kinds of voltage: 220/380/415/440V

Technical Parameters

Model	DK7725L	DK7735L	DK7745L	DK7750L
Table size (mm)	580*400	740*470	810*570	1000*650
X*Y travel (mm)	320*250	450*350	550*450	630*500
Max. Z travel (mm)	350	400	500	600
Max. workpiece weight (kg)	250	350	450	800
Cutting speed (mm ² /min)	Standard cutting speed:110-120, Max. cutting speed: 160-180			
Dimension L*W*H (mm)	1300*1100*1500	1500*1200*1650	1700*1350*1700	1800*1600*1900
Net weight (kg)	850	1100	1250	1900

Model	DK7763L	DK7780L	DK77100L	DK77120L
Working Table size (mm)	1140*750	1350*990	1650*1150	2000*1350
Stroke (X*Y) (mm)	800*630	1000*800	1200*1000	1400*1200
Max. Z travel (mm)	600	800	800/1000	800/1000
Max. workpiece weight (kg)	1200	2000	4000	4000
Cutting speed (mm ² /min)	Standard cutting speed:110-120, Max. cutting speed: 160-180			
Dimension L*W*H (mm)	2200*1800*2000	2600*2400*2150	3000*2800*2500	3200*3000*2600
Net weight (kg)	2700	4000	5600	8500