

ZBN

DOO BEOGRAD



PROVERENO-SIGURNO

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HWACHEON (KOREA) - najstariji proizvođač alatnih mašina sa dugom tradicijom u ovoj oblasti. HWACHEON kooperativni logo daje vizuelnu prezentaciju za šta se kompanija zalaže i predstavlja orijentaciju ka budućnosti. Hwacheon predstavlja stub mašinske industrije i simbol je preciznosti i kvaliteta obrade proizvoda.

The logo for FANUC, consisting of the word 'FANUC' in a bold, red, sans-serif font, set against a bright yellow rectangular background.

FANUC (JAPAN) – Imperija koja traje. Broj jedan u svetu. Dovoljno je reći FANUC.



EXCETEK (TAIWAN) - Proizvođač koji pruža široki spektar kao vrhunska rešenja u EDM obradi. Mašine ostvarene sa različitim specifikacijama za različite zahteve kupaca. Vrhunski odnos cena – kvalitet.

The logo for ZK, with 'ZK' in a large, bold, red font and 'simply genius' in a smaller, red, italicized sans-serif font.

ZIMMER & KREIM GmbH & Co. (GERMANY) - Vodeći Nemački proizvođač u oblasti EDM mašina, ako i svetski tehnološki lider u oblasti automatizacije za proizvodnju alata i mould macking-a. Kao rezultat uspešnog poslovanja su elektrode sa disk šaržerom, genius kontrola kao i razne softverske komponente 3K serije. rešenja.

The logo for TAKAMAZ, featuring the word 'TAKAMAZ' in a bold, orange, sans-serif font.

TAKAMAZ (JAPAN) - je uvek pokušavao da stvori kupca-orjentisanog prema proizvodu u više od pedeset godina proizvodnja alatnih mašina za obezbeđivanje profita u privredi. U modernim vremenima Takamaz se razvija neverovatnom brzinom i u stanju je da zadovolji potrebe kupaca sa posebnim fleksibilnim maštama i neumorni izazovni duh i poverenje u tehnološka znanja.

The logo for KAFO, featuring the word 'KAFO' in a bold, red, sans-serif font.

KAFO (TAIWAN) - jedan od najveći Taivanskih proizvođača alatnih mašina.





CUTEX 160A



	CUTEX-160 SERIES			
	160A	160A/MC	160B	160B/MC
Swing over bed (mm)	Ø550			
Max. Cutting diameter (mm)	Ø300	Ø260	Ø300	Ø260
Standard Cutting diameter (mm)	Ø186	Ø204	Ø186	Ø204
Max. Cutting length (mm)	300	225	284	209
Chuck Size (inch)	6"	6"	8"	8"
Weight (kg)	3.200	3.280	3.200	3.280

CUTEX 240B



	CUTEX-240 SERIES							
	240A	240A/MC	240A/SMC	240B	240B/MC	240B/SMC	240C	240C/MC
Swing over bed (mm)	Ø580							
Max. Cutting diameter (mm)	Ø380	Ø355	Ø355	Ø380	Ø355	Ø355	Ø380	Ø355
Standard Cutting diameter (mm)	Ø220	Ø215	Ø215	Ø220	Ø215	Ø215	Ø270	Ø267
Max. Cutting length (mm)	680	565	565	671.5	556.5	556.5	664	548
Chuck Size (inch)	8"	8"	8"/6"	8"	8"	8"/6"	10"	10"
Weight (kg)	4.200	4.300	4.400	4.200	4.300	4.400	4.200	4.300



Hi-TECH 200



	HI-TECH 200 SERIES					
	200A[L]	200A/MC[L]	200B[L]	200B/MC[L]	200C[L]	200C/MC[L]
Swing over bed (mm)	Ø500					
Max. Cutting diameter (mm)	Ø350	Ø325	Ø350	Ø325	Ø350	Ø325
Standard Cutting diameter (mm)	Ø210	Ø220	Ø210	Ø220	Ø260	Ø270
Max. Cutting length (mm)	401.5	318.5	385	302	381	298
Chuck Size (inch)	8"	8"	10"	10"	10"	10"
Weight (kg)	4.200	4.350	4.200	4.350	4.200	4.350

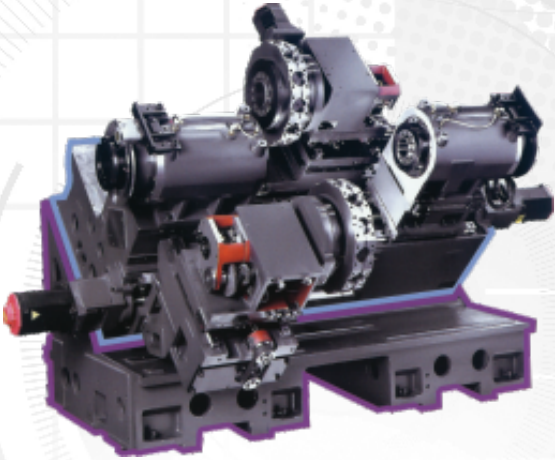
Hi-TECH 550



	HI-TECH 550 SERIES							
	550A	550AL	550A/MC	550AL/MC	550B	550BL	550B/MC	550BL/MC
Swing over bed (mm)	Ø800							
Max. Cutting diameter (mm)	Ø590	Ø590	Ø590	Ø590	Ø590	Ø590	Ø590	Ø590
Standard Cutting diameter (mm)	Ø387	Ø387	Ø275	Ø275	Ø387	Ø387	Ø275	Ø275
Max. Cutting length (mm)	1.100	2.100	1.100	2.100	1.100	2.100	1.100	2.100
Chuck Size (inch)	15"	15"	15"	15"	18"	18"	18"	18"
Weight (kg)	9.500	12.000	10.000	12.500	9.700	12.200	10.200	12.700

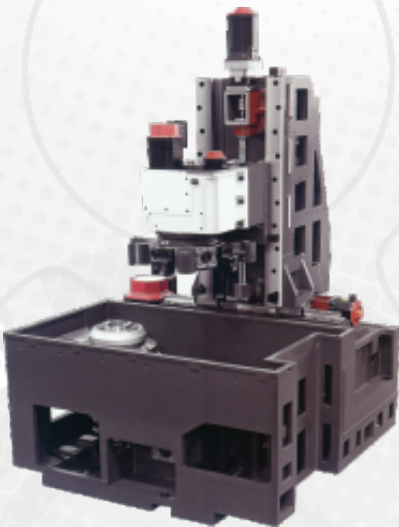


T2 viševretni strug



	T2 SERIES							
	1TMC	1TSMC	1TYMC	1TYSMC	2TMC	2TSMC	2TYMC	2TYSMC
Swing over bed (mm)	Ø880							
Max. Cutting diameter (mm)	Ø460	Ø460	Ø460	Ø460	Ø460/Ø390	Ø460/Ø390	Ø460/Ø390	Ø460/Ø390
Standard Cutting diameter (mm)	Ø300	Ø300	Ø300	Ø300	Ø300	Ø300	Ø300	Ø300
Max. Cutting length (mm)	444	444	444	444	444/437	444/437	444/437	444/437
Chuck Size (inch)	8"	8" + 8"	8"	8" + 8"	8"	8" + 8"	8"	8" + 8"
Weight (kg)	7.500	7.700	7.800	8.000	8.800	9.000	9.100	9.500

VT-450/650 vertikalni strug



	VT-450/650 SERIES			
	VT-450(R,L)	VT-450MC	VT-650(R,L)	VT-650MC
Swing over bed (mm)	Ø610		Ø900	
Max. Cutting diameter (mm)	Ø460	Ø460	Ø800	Ø800
Standard Cutting diameter (mm)	Ø305	Ø248	Ø320	Ø320
Max. Cutting length (mm)	460	460	750	750
Chuck Size (inch)	12"	12"	18"	18"
Weight (kg)	7.500	7.550	10.450	10.550



VESTA-660/1000

obradni centar



	VESTA-660/1000			
	VESTA-660		VESTA-1000	
	11/7.5	15/11	15/11	15/11
Travel				
Stroke (X/Y/Z) (mm)	660/430/400		1.000/550/500	
Distance from table surface to spindle gauge plane (mm)	150~550	150~550	130~630	130~630
Table				
Working surface (mm)	720x400	720x400	1.100x500	1.100x500
Table loading capacity (kg)	560	560	700	700
Table surface configuration (T slots WxP - No. of slots) (mm)	18x100-3ea	18x100-3ea	18x80-5ea	18x80-5ea
Spindle				
Max. Spindle speed (rpm)	10.000	10.000	10.000	10.000
Spindle Motor (kW)	11/7.5	15/11	15/11	15/11
Weight (kg)	5.000	5.000	6.500	6.500

VESTA-850B/1050B

obradni centar



	VESTA-850B/1050B			
	VESTA-850B		VESTA-1050B	
	BT-40	BT-50	BT-40	BT-50
Travel				
Stroke (X/Y/Z) (mm)	850/600/600		1.050/600/600	
Distance from table surface to spindle gauge plane (mm)	125~725	125~725	125~725	125~725
Table				
Working surface (mm)	1.050x600	1.050x600	1.050x600	1.050x600
Table loading capacity (kg)	800	800	1.000	1.000
Table surface configuration (T slots WxP - No. of slots) (mm)	18x120-5ea	18x120-5ea	18x120-5ea	18x120-5ea
Spindle				
Max. Spindle speed (rpm)	8.000	6.000	8.000	6.000
Spindle Motor (kW)	18.5/15	18.5/15	18.5/15	18.5/15
Weight (kg)	6.500	6.800	7.200	7.500





SIRIUS-850/1050

obradni centar



	SIRIUS-850/1050			
	SIRIUS-850		SIRIUS-1050	
	8.000	12.000	8.000	12.000
Travel				
Stroke (X/Y/Z) (mm)	2.000/850/750		2.500/1.050/850	
Distance from table surface to spindle gauge plane (mm)	200-950	200-950	200-1.050	200-1.050
Table				
Working surface (mm)	2.150x850	2.150x850	2.800x1.050	2.800x1.050
Table loading capacity (kg)	4.000	4.000	5.000	5.000
Table surface configuration (T slots WxP - No. of slots) (mm)	22x125-6ea	22x125-6ea	22x150-7ea	22x150-7ea
Spindle				
Max. Spindle speed (rpm)	8.000	12.000	8.000	12.000
Spindle Motor (kW)	30/25	30/25	30/25	30/25
Weight (kg)	27.850	27.850	31.700	31.700

SIRIUS-1250/1750/2500

obradni centar

	SIRIUS-1250/1750/2500					
	SIRIUS-1250		SIRIUS-1750		SIRIUS-2500	
	8 tool	40 tool	40 tool	60 tool	Short Bed	Long Bed
Travel						
Stroke (X/Y/Z) (mm)	2.500/1.250/750		3.000/1.750/800		3.100/2.300/900	4.000/2.300/900
Distance from table surface to spindle gauge plane (mm)	250-1.000	200-1.000	200-1.000	200-1.000	250-1.150	250-1.150
Table						
Working surface (mm)	2.800x1.250	2.800x1.250	3.200x1.750	3.200x1.750	3.300x2.000	4.200x2.000
Table loading capacity (kg)	5.000	5.000	10.000	10.000	10.000	15.000
Table surface configuration (T slots WxP - No. of slots) (mm)	22x160-7ea	22x160-7ea	22x200-8ea	22x200-8ea	22x200-9ea	22x200-9ea
Spindle						
Max. Spindle speed (rpm)	8.000/12.000	8.000/12.000	12.000/15.000	12.000/15.000	8.000/12.000	8.000/12.000
Spindle Motor (kW)	30/25	30/25	30/25	30/25	30/25	30/25
Weight (kg)	24.000	25.900	39.000	39.650	41.350	45.350



SIRIUS-UX

obradni centar



	SIRIUS-UX	
	12.000	15.000
Travel		
Stroke (X/Y/Z) (mm)	1.500/750/650	1.500/750/650
Distance from table surface to spindle gauge plane (mm)	175-825	175-825
Table		
Working surface (mm)	1.650x750	1.650x750
Table loading capacity (kg)	2.500	2.500
Table surface configuration (T slots WxP - No. of slots) (mm)	18x125-5ea	18x125-5ea
Spindle		
Max. Spindle speed (rpm)	12.000	15.000
Spindle Motor (kW)	30/25	30/25
Weight (kg)	15.000	15.000

SIRIUS-UM/UL+/UX

obradni centar



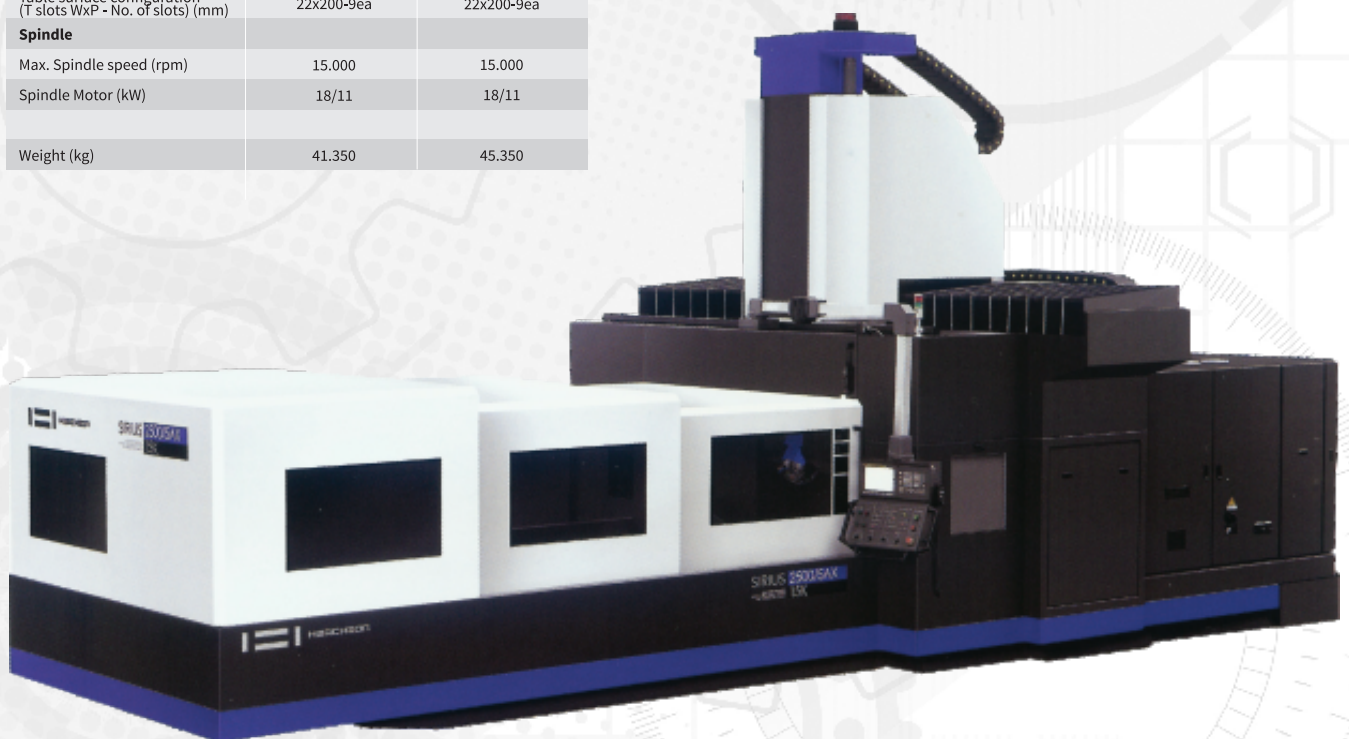
	SIRIUS-UM/UL+/UX				
	SIRIUS-UM	SIRIUS-UL+		SIRIUS-UX	
	20.000	20.000	12.000	12.000	15.000
Travel					
Stroke (X/Y/Z) (mm)	750/500/450	1.050/600/550		1.500/750/650	
Distance from table surface to spindle gauge plane (mm)	150-600	150-700		175-825	
Table					
Working surface (mm)	850x500	1.200x600		1.650x750	
Table loading capacity (kg)	800	800		2.500	
Table surface configuration (T slots WxP - No. of slots) (mm)	18x100-5ea	18x100-5ea		18x125-5ea	
Spindle					
Max. Spindle speed (rpm)	20.000	20.000	12.000	12.000	15.000
Spindle Motor (kW)	18.5/11	22/18.5		30/25	
Weight (kg)	8.000	9.500	9.450	15.000	

SIRIUS-2500/5AX

obradni centar



	SIRIUS-2500/5AX	
	Short Bed	Long Bed
Travel		
Stroke (X/Y/Z) (mm)	3.100/2.300/1.000	4.000/2.300/1.000
Distance from table surface to spindle gauge plane (mm)	0~1.000	0~1.000
Table		
Working surface (mm)	3.300x2.000	4.200x2.000
Table loading capacity (kg)	10.000	15.000
Table surface configuration (T slots WxP - No. of slots) (mm)	22x200-9ea	22x200-9ea
Spindle		
Max. Spindle speed (rpm)	15.000	15.000
Spindle Motor (kW)	18/11	18/11
Weight (kg)	41.350	45.350



XC-100



XC-100	
Chuck Size (inch)	8
Spindle bearing I.D.	Ø75
Spindle speed	Max. 4.500
Tool post type	8-station turret
Max. stroke	X:120 Z:230
Rapid traverse	X:12 Z:18
Spindle motor	AC 7.5/5.5
Dimenzioni (LxW)	1.150x1.360

XC-150



XC-150	
Chuck Size (inch)	8
Spindle bearing I.D.	Ø100
Spindle speed	Max. 3.500
Tool post type	8-station turret
Max. stroke	X:175 Z:250
Rapid traverse	X:18 Z:24
Spindle motor	AC 11/7.5
Dimenzioni (LxW)	1.250x1.480

XL-100



XL-100	
Chuck Size (inch)	6 (8)
Spindle bearing I.D.	Ø75 (Ø85)
Spindle speed	Max. 4.500 (6.000-3.500)
Tool post type	8 (12)-station turret
Max. stroke	X:120 Z:280
Rapid traverse	X:12 Z:18
Spindle motor	AC 7.5/5.5 (11/7.5)
Dimenzioni (LxW)	1.360(1.480)x1.360

XL-150



XL-150	
Chuck Size (inch)	8 (10)
Spindle bearing I.D.	Ø100 (Ø120)
Spindle speed	3.500, 5.000 (4.000)
Tool post type	8 (12)-station turret
Max. stroke	X:190 Z:400
Rapid traverse	X:18 Z:24
Spindle motor	AC 11/7.5 (15/11)
Dimenzioni (LxW)	1.600 (1.690)x1.535

X-120



X-120	Main-spindle	Sub-spindle
Chuck Size (inch)	6	5
Spindle bearing I.D.	Ø75 (Ø85)	Ø65
Spindle speed	Max. 4.500 (6.000)	
Tool post type	12-station turret	
Max. stroke	X:170 Z:300 A:350	
Rapid traverse	X:18 Z:24 A:18	
Spindle motor	AC 5.5/3.7 (7.5/5.5)	AC 3.7/2.2
Dimenzions (LxW)	2.000x1.630	2.000x1.630

X-S700



X-S700		
Chuck Size (inch)	8 (10)	
Spindle bearing I.D.	Ø100 (Ø120)	
Spindle speed	Max. 3.500 (3.000)	
Tool post type	10-station turret x2	
Max. stroke	X:115 Z:650	
Rapid traverse	X:16 Z:30	
Spindle motor	AC 15/11 (18.5/15)	
Dimenzions (LxW)	1.960x1.720	

XY-120plus



XY-120PLUS	Main-spindle	Sub-spindle
Chuck Size (inch)	6	5
Spindle bearing I.D.	Ø85 (Ø100)	Ø65
Spindle speed	Max. 5.000 (4.000)	Max. 5.000
Tool post type	12-station turret, 24ST	
Max. stroke	X:150 Z:330 Y:±35 X2:150 Z2:440	
Rapid traverse	X:18 Z:24 Y:±12 X2:18 Z2:18	
Spindle motor	AC 7.5/5.5 (11/7.5)	AC 5.5/3.7
Dimenzions (LxW)	2.630x1.950	2.630x1.950

XY-2000plus



XY-2000PLUS	#1-spindle	#2-spindle
Chuck Size (inch)	8	8
Spindle bearing I.D.	Ø100 (Ø120)	Ø100
Spindle speed	Max. 4.000	Max. 4.000
Tool post type	12-station turret	
Max. stroke	X:175 Z:510 Y:±40	X:175 Z:510 A:570
Rapid traverse	X:18 Z:24 Y:12	X:18 Z:24 A:30
Spindle motor	AC 18.5/15	AC 11/7.5
Dimenzions (LxW)	3.050x2.125	3.050x2.125

Fanuc Robodrill Fsa alpha-D21SiA5

Robodrill Alpha DiA-Serie	Alpha D21SiA5
Traverse Paths (mm)	300 x 300 x 330
Max. Tool length (mm)	190
Table size (mm)	630 x 330
Max. Bearing capacity (kg)	200
Distance Table surface (mm)	250-580 with HC100



Fanuc Robodrill Fa alpha-D21MiA5

Robodrill Alpha DiA-Serie	Alpha D21MiA5
Traverse Paths (mm)	500 x 400 x 330
Max. Tool length (mm)	200
Table size (mm)	650 x 400
Max. Bearing capacity (kg)	300
Distance Table surface (mm)	250-580 with HC100



Fanuc Robodrill Fla alpha D21LiA5

Robodrill Alpha DiA-Serie	Alpha D21LiA5
Traverse Paths (mm)	700 x 400 x 330
Max. Tool length (mm)	200
Table size (mm)	850 x 410
Max. Bearing capacity (kg)	300
Distance Table surface (mm)	250-580 with HC100



Fanuc Robocut alpha-OiE



Robocut Alpha Serie	Alpha-OiE
U/V hod (mm)	±60
X/Y hod (mm)	370/270
Z hod (mm)	255
Težina (kg)	1.800

Fanuc Robocut alpha-C600iA



Robocut Alpha Serie	Alpha-C600iA
U/V hod (mm)	±100
X/Y hod (mm)	600/400
Z hod (mm)	310
Težina (kg)	3.000

V350G



Excetek	V350G
Travel of U/V axes (mm)	80 x 80
Travel of X/Y axes (mm)	350 x 250
Travel of Z axis (mm)	220
Machine Weight (kg)	2.700

V500G



Excetek	V500G
Travel of U/V axes (mm)	120 x 120
Travel of X/Y axes (mm)	500 x 300
Travel of Z axis (mm)	260
Machine Weight (kg)	3.200

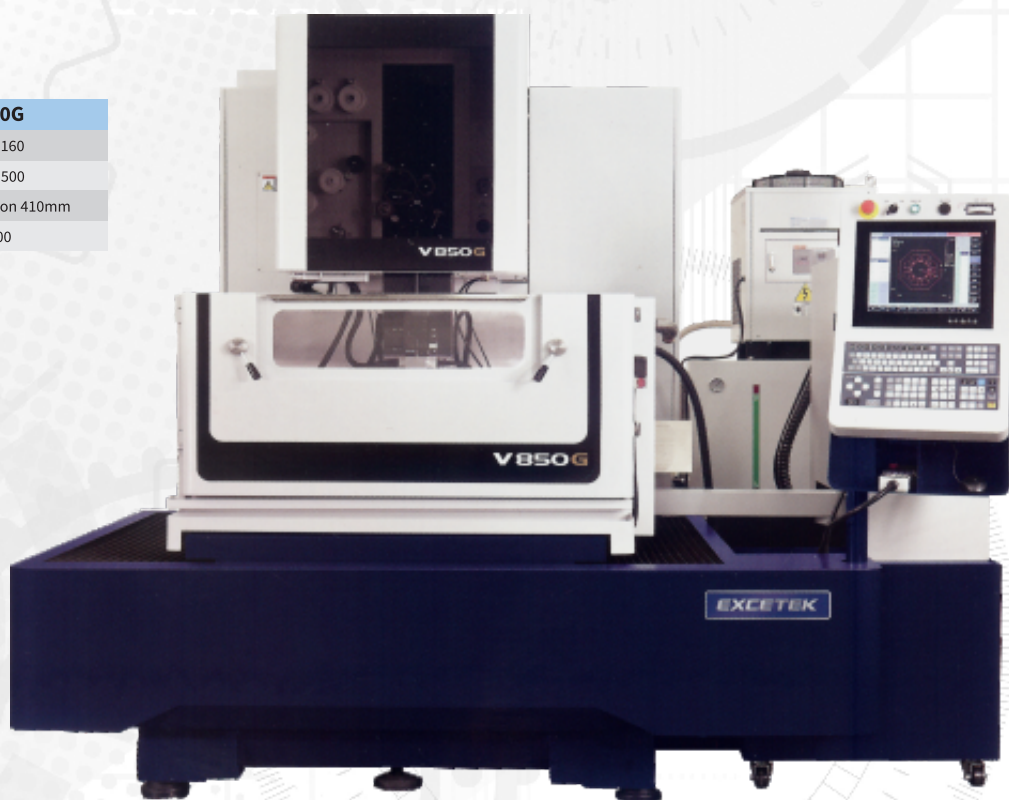
V650G

Excetek	V650G
Travel of U/V axes (mm)	160 x 160
Travel of X/Y axes (mm)	650 x 400
Travel of Z axis (mm)	350mm Option 410mm
Machine Weight (kg)	4.000



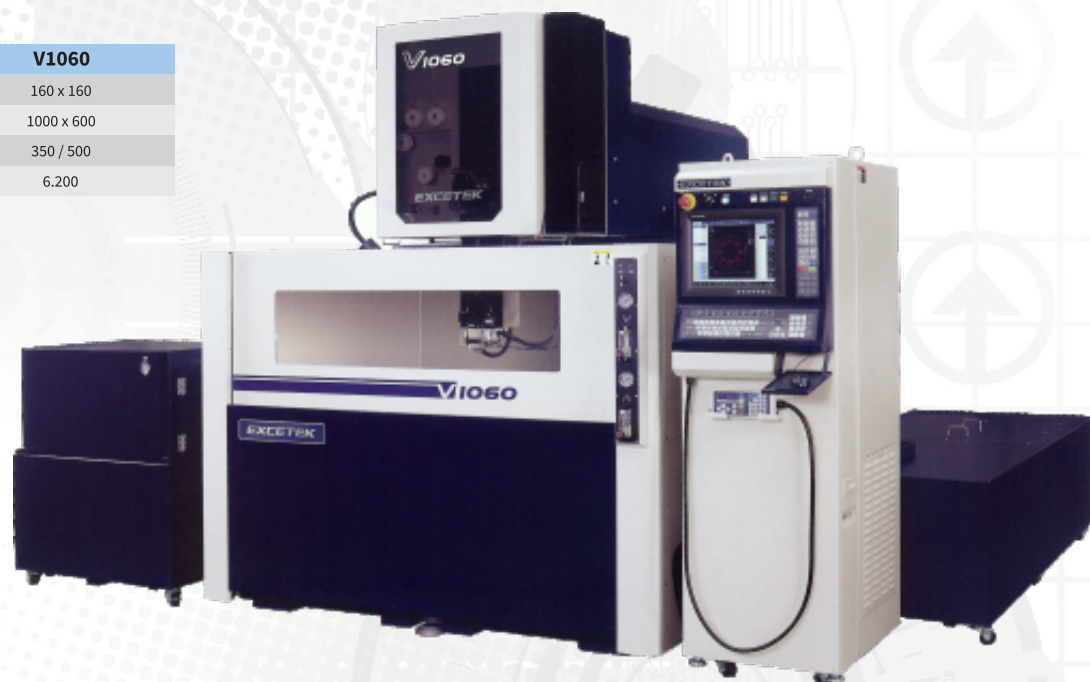
V850G

Excetek	V850G
Travel of U/V axes (mm)	160 x 160
Travel of X/Y axes (mm)	800 x 500
Travel of Z axis (mm)	350mm Option 410mm
Machine Weight (kg)	4.600



V1060

Excetek	V1060
Travel of U/V axes (mm)	160 x 160
Travel of X/Y axes (mm)	1000 x 600
Travel of Z axis (mm)	350 / 500
Machine Weight (kg)	6.200



V1280

Excetek	V1280
Travel of U/V axes (mm)	260 x 260
Travel of X/Y axes (mm)	1200 x 800
Travel of Z axis (mm)	500(610)
Machine Weight (kg)	10.600



Genius 602



Excetek	Genius 602
Travel distance X - Y (mm)	350 x 250
Travel distance Z (mm)	315
Table: Length x width (mm)	576 x 400
Overall dimensions (mm)	900 x 1.680 x 2.540
Total weight (kg)	2.000

Genius 700



Excetek	Genius 700
Travel distance X - Y (mm)	400 x 350
Travel distance Z (mm)	350
Table: Length x width (mm)	575x 500
Overall dimensions (mm)	1.213 x 2.326 x 2.530
Total weight (kg)	3.200

Genius 1000 *The Cube*



Excetek	Genius 850	Genius 1000 <i>The Cube</i>	Genius 1200
Travel distance X - Y (mm)	570 x 400	700 x 500	900 x 680
Travel distance Z (mm)	410	500	405
Table: Length x width (mm)	840 x 600	900 x 700	1.200 x 850
Overall dimensions (mm)	1.110 x 1.840 x 2.780	1.650 x 3.064 x 3.050/Ø1.825	1.540 x 1.520 x 2.710
Total weight (kg)	2.750	6.500	3.700

HMC-500

horizontalni obradni centar

KAFO	HMC-500
Travel distance X - Y (mm)	720 x 650
Travel distance Z (mm)	650
Table: Length x width (mm)	500 x 500
Spindle Speed (rpm)	10.000
Tool Magazine Capacity (tool)	40



HMC-630

horizontalni obradni centar

KAFO	HMC-630	HMC-800	HMC-1000S
Travel distance X - Y (mm)	1.050 x 800	1.400 x 1.100	1.400 x 1.100
Travel distance Z (mm)	880	1.050	1.000
Table: Length x width (mm)	630 x 630	800 x 800	1.000 x 1.000
Spindle Speed (rpm)	6.000	6.000	6.000
Tool Magazine Capacity (tool)	40	60	60



CV-9B

vertikalni obradni centar



KAFO	CV-9B
Travel distance X - Y (mm)	900 x 600
Travel distance Z (mm)	600
Table: Length x width (mm)	1.000 x 600
Max. Loading Capacity (kg)	650
Rapid Travel Rate (X/Y/Z)	36/36/36

CV-11A

vertikalni obradni centar



KAFO	CV-11A
Travel distance X - Y (mm)	1.100 x 600
Travel distance Z (mm)	600
Table: Length x width (mm)	1.200 x 600
Max. Loading Capacity (kg)	800
Rapid Travel Rate (X/Y/Z)	48/48/48

Strateški partner



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A 3D rendered robotic hand, colored in shades of grey and blue, is shown holding a blue cube. The hand is positioned to the right of the ZBN logo.

ZBN
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