



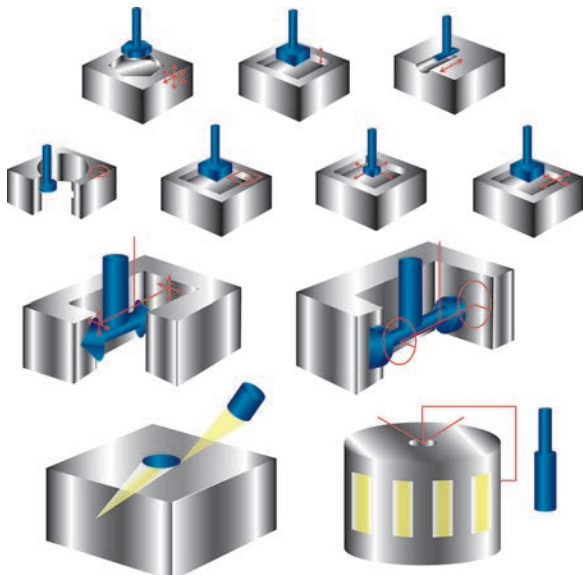
# CNC sinker EDM S-EDM CNC • Z-EDM



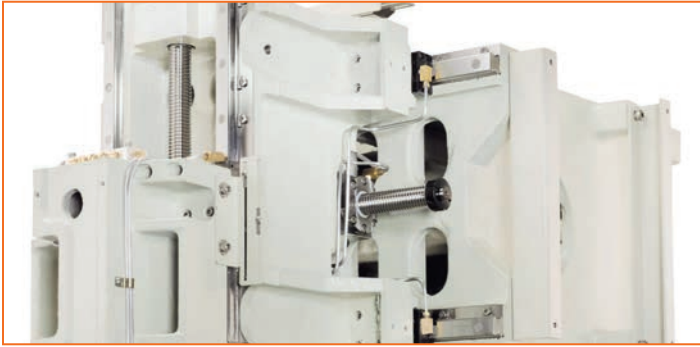
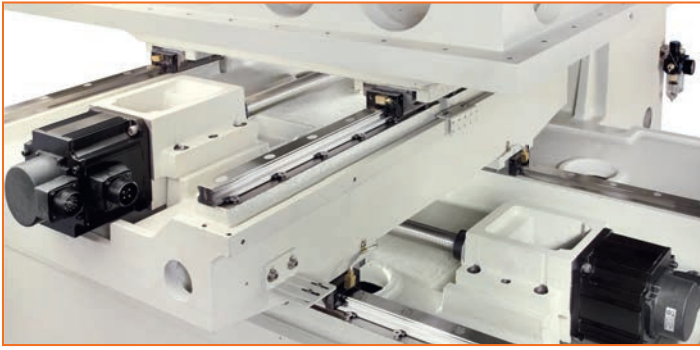
All models also available as ZNC version (controlled Z-axis)

- Effective planetary and train eroding with powerful flushing of the working area, ensures faster processing flow, higher precision and better surface quality
- FC35-quality cast iron machine frame and using a reinforced worktable enable high-precision machining and heavy work pieces
- Automatic lubrication
- 3 axis CNC, ZNC = only Z-controlled

- Withdraw the electrode to avoid the electrode burn-off and optimal adjustment of the spark discharge and spark gap = longer electrode life
- Integrated database for quick retrieval of all data and cutting parameters for different materials: hard metal alloys, copper, steel, etc.
- High machining accuracy through precision guides, ball screws and DC drives in the main axes which come from leading European and Japanese manufacturers



\*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.



- Technical parameters can be accessed and edited during the erosion process
- Programming during operation
- Compact design
- 3D-simulation
- Automatic calculation of the cutting parameters
- PC based control

### Standard configuration

- ✓ CNC control
- ✓ 15" TFT LCD monitor
- ✓ Integrated industrial keyboard
- ✓ Linear scales for X/Y/Z-axis
- ✓ Stainless steel water tank with paper filter unit
- ✓ Work light
- ✓ Automatic fire extinguishing system
- ✓ Electrodes - "Quick-Change" - inclusion
- ✓ Collet chuck
- ✓ Tool kit
- ✓ Operation manual

### Optional configuration:

- ATC 4, 6 or 16 tools
- C-axis (orbital head 3R or EROWA)
- Oil/air cooling
- Magnetic table
- Electrical handwheel (MPG)

			S-EDM CNC • Z-EDM							
Specifications			3025	4030	5847	6050	8050	13070	20070	30070
			12 x 10"	16 x 12"	23 x 19"	24 x 20"	32 x 20"	51 x 28"	79 x 28"	118 x 28"
Axis travel: X/Y	Z-EDM	mm	300x250 (12x10")	400x300 (16x12")	580x470 (23x19")	600x500 (24x20")	800x500 (32x20")	1300x700 (51x28")	2000x700 (79x28")	3000x700 (118x28")
	S-EDM	mm	280x230 (11x9")	380x280 (15x11")	580x470 (23x19")	600x500 (24x20")	800x500 (32x20")	1300x700 (51x28")	2000x700 (79x28")	3000x700 (118x28")
Travel Z		mm	150 (6")	185 (7")	250 (10")	400 (16")	400 (16")	590 (23")	590 (23")	590 (23")
Travel U		mm	150 (6")	230 (9")	450 (18")	-	-	-	-	-
Table dimensions		mm	600x300 (24x12")	650x350 (26x14")	1000x550 (39x22")	800x650 (32x26")	900x800 (35x32")	1400x950 (55x37")	1400x950 (55x37")	3100x1000 (122x39")
Max. workpiece dimensions		mm	750x500x240 (30x20x9.4")	1000x600x330 (39x24x13")	1600x1000x650 (63x39x26")	1400x970x570 (55x38x22")	1480x1050x510 (59x41x20")	2100x1150x750 (83x45x30")	3100x1400x550 (122x55x22")	4000x1450x550 (158x57x22")
Dielectric tank capacity		l	300 (79 gal)	446 (118 gal)	1144 (302 gal)	1576 (416 gal)	970 (256 gal)	2370 (626 gal)	3153 (832 gal)	3500 (924 gal)
Max. electrode weight		kg	100 (220 lbs)	120 (460 lbs)	300 (660 lbs)	300 (660 lbs)	300 (660 lbs)	500 (1,100 lbs)	500 (1,100 lbs)	500 (1,100 lbs)
Max. workpiece weight		kg	800 (1,760 lbs)	1000 (2,200 lbs)	1600 (3,530 lbs)	2500 (5,500 lbs)	4000 (8,800 lbs)	5000 (11,000 lbs)	5000 (11,000 lbs)	10000 (22,000 lbs)
Dimensions (L/W/H)		mm	2655x1395x2260 (105x55x89")	2825x1700x2250 (111x67x89")	3870x2420x3010 (152x95x119")	3450x2537x2715 (136x100x107")	2210x2000x2550 (87x79x100")	2880x2270x2260 (113x89x89")	3180x2270x2180 (125x89x86")	4390x2270x2520 (173x89x99")
Weight		kg	1100 (2,425 lbs)	1300 (2,870 lbs)	2500 (5,510 lbs)	3200 (7,040 lbs)	4200 (9,260 lbs)	5600 (12,320 lbs)	6000 (13,200 lbs)	13000 (28,600 lbs)
<b>Power Supply</b>			<b>SE 30</b>		<b>SE 50</b>		<b>SE 75</b>		<b>SE 100</b>	
Max. processing current	A		30	50		75			100	
Voltage	V		220			220			220	
	V		380			380			380	
Total power consumption	kVA		3	4.5		8			10	
Total power consumption	V		100			100			100	
Min. turn-on time	msec		1			1			1	
Min. turn-off time	msec		1			1			1	
Max. metal removal speed	mm <sup>3</sup> /min		320 (0.02 in <sup>3</sup> )	480 (0.03 in <sup>3</sup> )		720 (0.04 in <sup>3</sup> )			1050 (0.06 in <sup>3</sup> )	
Surface roughness	Ra		0.2			0.2			0.2	
Min. electrode consumption	%		0.2			0.3			0.4	
Weight	kg		200 (440 lbs)			300 (660 lbs)			330 (726 lbs)	
Item No.	Z-EDM		<b>4730001</b>	<b>4730002</b>		<b>4730003</b>	<b>4730004</b>	<b>4730005</b>	<b>4730010</b>	<b>4730011</b>
	S-EDM		<b>4730012</b>	<b>4730013</b>		<b>4730014</b>	<b>4730015</b>	<b>4730016</b>	<b>4730017</b>	<b>4730018</b>
	Power supply		<b>200198</b>	<b>200199</b>		<b>200200</b>			<b>200201</b>	

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