

1. Direct spindle for high efficiency application

SED series-Efficiency Models



	Unit	SED855	SED1055	SED1165	SED1265
Worktable size	mm	500*1000	500*1100	600*1200	600*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	600	600	800	800
3 axis travel X/Y/Z	mm	850/550/600	1000/550/600	1100/650/600	1200/650/600
Distance from column front to spindle center	mm	597	597	697	697
Distance from table top surface to spindle nose	mm	120-720	120-720	120-720	120-720
Spindle hole taper		BT40	BT40	BT40	BT40
Spindle power	kW	7.5/11	7.5/11	11/15	11/15
Max. spindle speed	rpm	12000	12000	12000	12000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/36	48/48/36	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2650*2700*2850	2650*2700*2850	3200*2985*2960	3200*2985*2960
Machine weight	kg	4500	4800	5500	5600

2. Belt spindle for high rigidity application

VMC series-Classic Models



	Unit	VMC850P	VMC1000P	VMC1060B	VMC1160B
Worktable size	mm	500*1000	520*1200	600*1200	610*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	500	500	800	900
3 axis travel X/Y/Z	mm	850/500/550	1000/520/535	1000/620/630	1100/610/630
Distance from column front to spindle center	mm	582	582	667	667
Distance from table top surface to spindle nose	mm	100-650	80-615	110-740	110-740
Spindle hole taper		BT40	BT40	BT40	BT40-φ150
Spindle power	kW	11/15	11/15	11/15	11/15
Max. spindle speed	rpm	8000	8000	8000	8000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/32	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2978*2490*2860	2990*2490*2885	2850*2300*2850	3150*2300*2850
Machine weight	kg	5500	5800	6800	7000

3. Direct spindle for high speed application

V series -Classic Models



	Unit	V8P	V10P	V10B	V11B
Worktable size	mm	500*1000	520*1200	600*1200	610*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	500	500	800	900
3 axis travel X/Y/Z	mm	850/500/550	1000/520/535	1000/620/630	1100/610/630
Distance from column front to spindle center	mm	582	582	667	667
Distance from table top surface to spindle nose	mm	120-670	100-635	120-750	120-750
Spindle hole taper		BT40	BT40	BT40	BT40
Spindle power	kW	7.5/11	7.5/11	11/15	11/15
Max. spindle speed	rpm	12000	12000	12000	12000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/48	48/48/48	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2978*2490*2860	2990*2490*2860	2850*2300*2850	3150*2300*2850
Machine weight	kg	5500	5800	6800	7000

4. Belt spindle for high rigidity and accuracy application

SVB Series - Excellent Models



	Unit	SVB650	SVB850	SVB1060	SVB1160	SVB1270	SVB1470	SVB1580	SVB1780
Worktable size	mm	400*850	500*1000	600*1200	600*1360	700*1400	700*1600	800*1700	800*1900
T-slot size	mm	3-18*100	5-18*100	5-18*100	5-18*100	5-18*125	5-18*125	5-22*160	5-22*160
Max. load bearing of worktable	kg	400	600	800	900	1000	1100	1200	1300
3 axis travel X/Y/Z	mm	650/400/500	850/520/560	1000/620/620	1160/620/620	1200/700/700	1400/700/700	1500/800/800	1700/800/800
Distance from column front to spindle center	mm	451	592	663	663	766	766	887	887
Distance from table top surface to spindle nose	mm	100-600	120-680	150-770	150-770	150-850	150-850	180-980	180-980
Spindle hole taper		BT40	BT40	BT40	BT40	BT50	BT50	BT50	BT50
Spindle power	kW	7.5/11	7.5/11	11/15	11/15	15/18.5	15/18.5	15/18.5	15/18.5
Max. spindle speed	rpm	8000	8000	8000	8000	6000	6000	6000	6000
Max. feed speed	mm/min	12000	12000	12000	12000	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/32	36/36/24	36/36/24	24/24/20	24/24/20	24/24/24	24/24/24
Tool magazine capacity	T	20	24	24	24	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5	3.5	3.5	3.5	3.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.01
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
Machine dimension	mm	2110*2320*2750	2250*2700*2850	3540*2620*2930	3740*2620*2930	4350*2955*3320	4850*2955*3320	5300*3250*3560	5500*3250*3560
Machine weight	kg	4100	6500	6800	7000	9700	10000	14500	15000

5.Direct spindle for high speed and efficiency

SVD Series - Excellent Models



	Unit	SVD650	SVD850	SVD1060	SVD1160	SVD1270	SVD1470
Worktable size	mm	400*850	500*1000	600*1200	600*1360	700*1400	700*1600
T-slot size	mm	3-18*100	5-18*100	5-18*100	5-18*100	5-18*125	5-18*125
Max. load bearing of worktable	kg	400	600	800	900	1000	1100
3 axis travel X/Y/Z	mm	650/400/500	850/520/560	1000/620/620	1160/620/620	1200/700/700	1400/700/700
Distance from column front to spindle center	mm	451	592	663	663	766	766
Distance from table top surface to spindle nose	mm	100-600	120-680	150-770	150-770	150-850	150-850
Spindle hole taper		BT40	BT40	BT40	BT40	BT50	BT50
Spindle power	kW	7.5/11	7.5/11	11/15	11/15	11/15	11/15
Max. spindle speed	rpm	12000	12000	12000	12000	10000	10000
Max. feed speed	mm/min	12000	12000	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/32	36/36/24	36/36/24	24/24/20	24/24/20
Tool magazine capacity	T	20	24	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5	3.5	3.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008	0.01	0.01
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004	0.005	0.005
Machine dimension	mm	2110*2320*2750	2250*2700*2850	3540*2620*2930	3740*2620*2930	4350*2955*3320	4850*2955*3320
Machine weight	kg	4100	6500	6800	7000	9700	10000

6. Double Column Machining Center



		SP1016	SP1020	SP1325	SP1330	SP1525	SP1530	SP1540	SP1820		SP1830	SP1840	SP1850	SP2230	SP2240	SP2250	SP2260	SP2530	SP2540	SP2550	SP2560
Working range																					
X axis travel	mm	1650	2050	2400	3100	2600	3100	4100	2200		3200	4200	5200	3200	4200	5200	4200	3200	4200	5200	4200
Y axis travel	mm	1100	1100	1400	1400	1650	1650	1650	1850		1850	1850	1850	2250	2250	2250	2250	2900	2900	2900	2900
Z axis travel	mm	600	600	800	800	800	800	800	1000		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Distance from table surface to spindle nose	mm	160-760	160-760	160-960	160-960	160-960	160-960	160-960	260-1260		260-1260	260-1260	260-1260	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220
Distance between two columns	mm	1250	1250	1400	1400	1650	1650	1650	2000		2000	2000	2000	2400	2400	2400	2400	3000	3000	3000	3000
Worktable																					
Worktable size	mm	1600*1000	2000*1000	2500*1300	3000*1300	2500*1500	3000*1500	4000*1500	2000*1800		3000*1800	4000*1800	5000*1800	3000*2000	4000*2000	5000*2000	6000*2000	3000*2500	4000*2500	5000*2500	6000*2500
Max load bearing of worktable	kg	3500	4000	6000	7000	6000	7000	8000	10000		12000	14000	16000	12000	15000	18000	22000	15000	18000	22000	25000
T slot size	mm	7-22*125	7-22*125	7-22*160	7-22*160	9-22*160	9-22*160	9-22*160	11-22*160		11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-28*200	11-28*200	11-28*200	11-28*200
Spindle																					
Spindle type		Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt		Belt	Belt	Belt	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head
Main motor power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5		15/18.5	15/18.5	22/26	15/18.5	15/18.5	22/26	22/26	22/26	22/26	22/26	22/26
Spindle speed	rpm	8000	8000	6000	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
Spindle torque	N·m	143	143	143	143	143	143	143	143		143	143	140	572	572	560	560	560	560	560	560
Spindle hole taper		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50
Feed																					
Rapid feed speed	m/min	20/20/10	20/20/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10		10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10
X axis ballscrew	mm	Ø43*P20	Ø43*P20	Ø43*P16	Ø43*P16	Ø43*P16	Ø43*P16	Ø43*P16	Ø80*P20		Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20
Y axis ballscrew	mm	Ø50*P12	Ø50*P12	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø43*P20		Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20	Ø43*P20
Z axis ballscrew	mm	Ø50*P20	Ø50*P20	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16		Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16
Feed motor power	kW	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3		3/3/3	3/3/3	6/1/1	3/3/3	3/3/3	6/1/1	6/1/1	6/1/1	6/1/1	6/1/1	6/1/1
Accuracy																					
Positioning accuracy	mm	0.025	0.025	0.025/0.015/0.016	0.028/0.015/0.016	0.025/0.015/0.016	0.028/0.015/0.016	0.03/0.015/0.016	0.025/0.018/0.02		0.028/0.018/0.020	0.03/0.018/0.02	0.034/0.018/0.02	0.028/0.02/0.02	0.03/0.02/0.02	0.034/0.02/0.02	0.036/0.02/0.02	0.028/0.022/0.02	0.03/0.022/0.02	0.034/0.022/0.02	0.036/0.022/0.02
Re-positioning accuracy	mm	0.014	0.014	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008		0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008
Machine																					
Machine dimension	mm	6000*4500*4100	6800*4500*4100	7800*5000*5000	8800*5000*5000	7900*5000*5100	8800*5000*5100	10800*5000*5100	7000*5800*5500		9000*5800*5500	10400*5800*5500	12400*5800*5500	9100*4300*5500	10400*4200*5500	12400*4200*5500	15000*4200*5500	9000*4800*5700	10400*4800*5700	12400*4800*5700	15000*4800*5700
Machine weight	T	18	19	22.5	23	24	26	28	28		32	35.5	39	33.5	37	41	44.5	39	42.5	46	50