



DL S series (With SUB/Y Spindle)

Y axis Multi-task CNC Turning Center, which can cover all machining process with only one initial setting (DL 25Y / 25SY)

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SPECIFICATIONS		UNIT	DL 25MS	DL 25Y	DL 25SY
Swing over Bed(Max. swing dia.)		mm	710	710	710
Max. Turning Dia.		mm	400	400	400
Max. Turning Length		mm	1,000	1,000	1,000
Standard Chuck Size (Main/Sub)		inch	10" / 8" [Build-in:6"]	10" / -	10" / 8" [Build-in:6"]
Bar Capacity (Main/Sub)		mm	76 / 65[Build-in:27]	76 / -	76 / 65 [Built-in : 27]
Max. Spindle Speed (Main/Sub)		rpm	3,500 / Max. 4,000 [Build-in:6,000]	3,500 / -	3,500 / Max. 4,000 [Build-in:6,000]
Spindle Nose (Main/Sub)		-	A2-8Mill/A2-6Mill[Build-in:A2-5Mill]	A2-8Mill / -	A2-8Mill/A2-6Mill[Built-in:A2-5Mill]
Spindle Bore diametere (Main/Sub)		mm	86 / 76 [Built-in : 40]	86 / -	86 / 76[Built-in : 40]
Main Spindle Motor(Cont./30min)	Main	kw	18.5 / 22	18.5 / 22	18.5 / 22
	Sub	kw	11 / 15 [Build-in:5.5/7.5]	-	11 / 15 [Build-in:5.5/7.5]
Mill Spindle Motor(Cont./30min)		kw	3.7 / 5.5	3.7 / 5.5	3.7 / 5.5
X/Z/B/Y axis travel		mm	210 / 1,050 / 940 / -	210 / 1,050 / - / ±55	210 / 1,050 / 940 / ±55
Guideway Type	(X/Z)	-	Box way	Box way	Box way
	(B/Y)	-	Box way/-	-/Box way	Box way/Box way
X/Z/B/Y axis rapid traverse rate		m/min	20 / 24 / 16 / -	20 / 24 / - / 10	20 / 24 / 16 / 10
Turret Index Type		-	Servo, BMT55	Servo, BMT55	Servo, BMT55
Max. No. of Tools		ea	12	12	12
Turning tool shank size		mm	25	25	25
Boring bar diameter		mm	40	40	40
Turret Indexing Time (One station)		sec	0.2	0.2	0.2
Machine Weight		kgf	7,500	7,800	7,800
Floor Space	Height	mm	2,200	2,200	2,200
	Length	mm	4,100	4,100	4,100
	Width	mm	2,000	2,000	2,000
Power Capacity		kVA	43	40	47
Controller			F0i-TF	F0i-TF	F0i-TF

- DL G SERIES
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DL S series (10"~21")

Integrated high rigidity bed and box way for powerful heavy duty cutting CNC Turning Center ranges from 10" to 21"



[]: option

SPECIFICATIONS	UNIT	DL 25	DL 25M	DL 30	DL 30L	DL 30M	DL 30LM	DL 40	DL 40L	DL 40M	DL 40LM
Swing over Bed(Max. swing dia.)	mm	610	610	610	610	610	610	750	750	750	750
Max. Turning Dia.	mm	400	400	400	400	400	400	560	560	520	520
Max. Turning Length	mm	1,080	1,080	1,080	2,080	1,080	2,080	1,255	1,655	1,255	1,655
Bar Capacity	mm	76	76	90	90	90	90	119	119	119	119
Max. Spindle Speed	rpm	3,500	3,500	3,000	3,000	3,000	3,000	2,500	2,500	2,500	2,500
Spindle Nose	-	A2-8	A2-8 Mill	A2-8	A2-8	A2-8 Mill	A2-8 Mill	A2-11	A2-11	A2-11 Mill	A2-11 Mill
Spindle Bore diameter	mm	86	86	105	105	105	105	132[161]	132[161]	132[161]	132[161]
Standard Chuck Size	inch	10"[12"]	10"[12"]	12"	12"	12"	12"	15"[18"]	15"[18"]	15"[18"]	15"[18"]
Main Spindle Motor(Cont./30min)	kw	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	18.5/22	18.5/22	18.5/22	18.5/22
Mill Spindle Motor(Cont./30min)	kw	-	2.2/3.7	-	-	2.2/3.7	2.2/3.7	-	-	3.7/5.5	3.7/5.5
X/Z axis travel	mm	230/1130	230/1130	230/1130	230/2130	230/1130	230/2130	305/1305	305/1705	305/1305	305/1705
Guideway Type(X/Z)	-	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way
X/Z axis rapid traverse rate	m/min	20/24	20/24	20/24	20/18	20/24	20/18	18/20	18/20	18/20	18/20
Turret Index Type	-	Servo, BMT	Servo, BMT 65	Servo, BMT	Servo, BMT	Servo, BMT 65	Servo, BMT 65	Servo, BMT	Servo, BMT	Servo, BMT 65	Servo, BMT 65
Max. No. of Tools	ea	12	12	12	12	12	12	10	10	12	12
Turning tool shank size	mm	25	25	25	25	25	25	25	25	25	25
Boring bar diameter	mm	50	50	50	50	50	50	50	50	50	50
Turret Indexing Time (One station)	sec	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.18
Tailstock Quill diameter	mm	110	110	110	110	110	110	130	130	130	130
Tailstock Quill Taper	MT	MT#5	MT#5	MT#5	MT#5	MT#5	MT#5	MT#4	MT#4	MT#4	MT#4
Machine Weight	kgf	7,100	7,100	7,100	8,600	7,100	8,600	8,600	9,100	8,600	9,100
Floor Space	Height	mm	2,050	2,050	2,050	2,021	2,050	2,021	2,281	2,292	2,281
	Length	mm	3,920	3,920	3,920	5,237	3,920	5,237	4,400	5,080	4,400
	Width	mm	1,810	1,810	1,810	1,810	1,810	1,810	1,854	1,876	1,854
Power Capacity	kVA	38	39	38	38	39	39	45	45	51	51
Controller		F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF



DL S series (10"~21")

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SPECIFICATIONS	UNIT	DL 45	DL 45L	DL 45M	DL 45LM	DL 55	DL 55L	DL 55M	DL 55LM
Swing over Bed(Max. swing dia.)	mm	775	775	775	775	775	775	775	775
Max. Turning Dia.	mm	690	690	620	620	690	690	620	620
Max. Turning Length	mm	1,465	2,265	1,465	2,265	1,465	2,265	1,465	2,265
Bar Capacity	mm	119	119	119	119	165	165	165	165
Max. Spindle Speed	rpm	2,000	2,000	2,000	2,000	1,700	1,700	1,700	1,700
Spindle Nose	-	A2-11	A2-11	A2-11 Mill	A2-11 Mill	A2-15	A2-15	A2-15 Mill	A2-15 Mill
Spindle Bore diameter	mm	132 [161]	132 [161]	132 [161]	132 [161]	181	181	181	181
Standard Chuck Size	inch	18" [21"]	18" [21"]	18" [21"]	18" [21"]	21"	21"	21"	21"
Main Spindle Motor(Cont./30min)	kw	30/37	30/37	30/37	30/37	30/37	30/37	30/37	30/37
Mill Spindle Motor(Cont./30min)	kw	-	-	5.5/7.5	5.5/7.5	-	-	5.5/7.5	5.5/7.5
X/Z axis travel	mm	350/1530	350/2330	350/1530	350/2330	350/1530	350/2330	350/1530	350/2330
Guideway Type(X/Z)	-	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way	BOX Way
X/Z axis rapid traverse rate	m/min	20/18	20/18	20/18	20/18	20/18	20/18	20/18	20/18
Turret Index Type	-	Servo, BMT	Servo, BMT	Servo, BMT 75	Servo, BMT 75	Servo, BMT	Servo, BMT	Servo, BMT 75	Servo, BMT 75
Max. No. of Tools	ea	12	12	12	12	12	12	12	12
Turning tool shank size	mm	32	32	32	32	32	32	32	32
Boring bar diameter	mm	60	60	60	60	60	60	60	60
Turret Indexing Time (One station)	sec	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Tailstock Quill diameter	mm	160	160	160	160	160	160	160	160
Tailstock Quill Taper	MT	MT#4	MT#4	MT#4	MT#4	MT#5	MT#5	MT#5	MT#5
Machine Weight	kgf	9,200	13,200	9,200	13,200	9,200	13,200	9,200	13,200
Floor Space	Height	mm	2,354	2,354	2,354	2,354	2,354	2,354	2,354
	Length	mm	5,010	5,810	5,010	5,810	5,010	5,810	5,810
	Width	mm	2,202	2,183	2,202	2,183	2,202	2,183	2,202
Power Capacity	kVA	59	59	68	68	59	59	68	68
Controller		F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF	F0i-TF

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DL S series (24" ~32")

Integrated high rigidity bed and box way for powerful heavy duty cutting CNC Turning Center ranges from 24"to 32"

[]: option

SPECIFICATIONS	UNIT	DL 60L	DL 60LM	DL70	DL 70M
Swing over Bed(Max. swing dia.)	mm	1,030	1,030	1,030	1,030
Max. Turning Dia.	mm	900	900	900	900
Max. Turning Length	mm	3,200	3,200	1,000	1,000
Bar Capacity	mm	156	156	156	156
Max. Spindle Speed	rpm	1,400	1,400	750	750
Spindle Nose	-	A2-15	A2-15 Mill	A2-20	A2-20 Mill
Spindle Bore diameter	mm	181	181	320	320
Standard Chuck Size	inch	24" [32"]	24" [32"]	Depending on user	Depending on user
Main Spindle Motor(Cont./30min)	kw	37/45	37/45	37/45	37/45
Mill Spindle Motor(Cont./30min)	kw	-	11	-	11
X/Z axis travel	mm	470/3270	470/3270	470/1050	470/1050
Guideway Type(X/Z)	-	BOX Way	BOX Way	BOX Way	BOX Way
X/Z axis rapid traverse rate	m/min	12/10	12/10	12/18	12/18
Turret Index Type	-	Servo, BMT	Servo, BMT 85	Servo, BMT	Servo, BMT 85
Max. No. of Tools	ea	12	12	12	12
Turning tool shank size	mm	32	32	32	32
Boring bar diameter	mm	80	80	80	80
Turret Indexing Time (One station)	sec	0.25	0.25	0.25	0.25
Tailstock Quill diameter	mm	180	180	-	-
Tailstock Quill Taper	MT	MT#6	MT#6	-	-
Machine Weight	kgf	22,300	22,300	18,060	18,060
Floor Space	Height	mm	2,685	2,685	2,685
	Length	mm	7,437	7,437	5,237
	Width	mm	2,750	2,750	2,750
Power Capacity	kVA	71	81	71	81
Controller		F0i-TF	F0i-TF	F0i-TF	F0i-TF