

**MACHINE SPECIFICATIONS :** *We reserve the right to change the above design without prior notification.*

ITEMS	DIAMOND 20	DIAMOND 20B	DIAMOND 20CS	DIAMOND 20CSB
<b>Working Range</b>	Max. turning dia.	Ø20mm	Ø20mm	Ø20mm
	Max. machining length per chucking	250mm	250mm	250mm
	Max. drilling dia.	14mm	14mm	14mm
	Max. tapping dia.	M10	M10	M10
<b>O.D. Tooling</b>	Number of tools	6	6	6
	Dimension	□ 12x12x100	□ 12x12x100	□ 12x12x100
<b>I.D. Tooling</b>	Number of tools	4	4	4
	Dimension	10mm(ER16)	10mm(ER16)	10mm(ER16)
<b>Cross working driven tooling</b>	Number of tools	—	—	6
	Dimension	—	—	10mm (ER16)
	Cross spindle speed	—	—	200-6000 rpm
<b>Front working driven tooling</b>	Number of tools	—	—	3
	Dimension	—	—	10mm(ER16)
	Spindle speed	—	—	6000 rpm
<b>Back I.D. tooling</b>	Number of tools	—	4	4
	Dimension	—	10mm(ER16)	10mm(ER16)
<b>Back working driven tooling</b>	Number of tools	—	—	3
	Dimension	—	—	7mm(ER11)
	Spindle Speed	—	—	6000rpm
<b>Spindle</b>	Spindle hole dia.	Ø 21mm	Ø 21mm	Ø 21mm
	Spindle Speed	200-10000rpm	200-10000rpm	200-10000rpm
	Back spindle hole dia.	—	21mm	—
	Back spindle speed	—	7500 rpm	—
<b>Motors</b>	Max. length for front ejection	—	80mm	80mm
	Rapid speed	18M	18M	18M
	Spindle Motor	3.7 Kw	3.7 Kw	3.7 Kw
	Back spindle Motor	—	1.5Kw	—
	X1,Y1,Z1 Axes Motor	0.5Kw	0.5Kw	0.5Kw
	Z2 Axis Motor	—	0.5Kw	—
	Coolant Pump	0.18Kw	0.18Kw	0.18Kw
	Lubrication	4W	4W	4W
	Cross Spindle	—	—	0.75Kw
	Center Height	960mm	960mm	960mm
<b>Machine Dimensions</b>	Weight	2150Kg	2650Kg	2168Kg
	Machine Size	1588x988x1568	1788x988x1568	1588x988x1568
<b>Air</b>	Air Pressure	5kg / cm	5kg / cm	5kg / cm
	Air Supply	10L/min.	10L/min.	10L/min.

ITEMS	DIAMOND 32	DIAMOND 32B	DIAMOND 32CS	DIAMOND 32CSB
<b>Working Range</b>	Max. turning dia.	Ø33mm	Ø33mm	Ø33mm
	Max. machining length per chucking	250mm	250mm	250mm
	Max. drilling dia.	26mm	26mm	26mm
	Max. tapping dia.	M12	M12	M12
<b>O.D. Tooling</b>	Number of tools	6	6	5
	Dimension	□ 16x16x120	□ 16x16x120	□ 16x16x120
<b>I.D. Tooling</b>	Number of tools	4	4	4
	Dimension	13mm(ER20)	13mm(ER20)	13mm(ER20)
<b>Cross working driven tooling</b>	Number of tools	—	—	6
	Dimension	—	—	13mm (ER20)
	Cross spindle speed	—	—	200-6000 rpm
<b>Front working driven tooling</b>	Number of tools	—	—	3
	Dimension	—	—	13mm(ER20)
	Spindle speed	—	—	6000 rpm
<b>Back I.D. tooling</b>	Number of tools	—	4	4
	Dimension	—	13mm(ER20)	13mm(ER20)
<b>Back working driven tooling</b>	Number of tools	—	—	3
	Dimension	—	—	10mm(ER16)
	Spindle Speed	—	—	6000rpm
<b>Spindle</b>	Spindle hole dia.	Ø 36mm	Ø 36mm	Ø 36mm
	Spindle Speed	200-8000rpm	200-8000rpm	200-8000rpm
	Back spindle hole dia.	—	33mm	—
	Back spindle speed	—	6000 rpm	—
<b>Motors</b>	Max. length for front ejection	—	80mm	80mm
	Rapid speed	18M	18M	18M
	Spindle Motor	5.5 Kw	5.5 Kw	5.5 Kw
	Back spindle Motor	—	1.5Kw	—
	X1,Y1,Z1 Axes Motor	0.5Kw	0.5Kw	0.5Kw
	Z2 Axis Motor	—	0.5Kw	—
	Coolant Pump	0.55Kw	0.55Kw	0.55Kw
	Lubrication	4W	4W	4W
	Cross Spindle	—	—	0.75Kw
	Center Height	960mm	960mm	960mm
<b>Machine Dimensions</b>	Weight	2270Kg	2770Kg	2288Kg
	Machine Size	2200x1140x1568	2550x1140x1568	2200x1140x1568
<b>Air</b>	Air Pressure	5kg / cm	5kg / cm	5kg / cm
	Air Supply	10L/min.	10L/min.	10L/min.

**PO LY GIM**

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**MACHINE ACCESSORIES :**

ITEMS	20	20B	20CS	20CSB
Spindle 5° indexing	☉	☉	☉	☉
Part off detective sensor	☉	☉	☉	☉
Coolant system	☉	☉	☉	☉
Working light	☉	☉	☉	☉
Part catcher	☉	☉	☉	☉
Fixed bushing	☉	☉	☉	☉
Live Bushing	OP	OP	☉	☉
Cross Working Driven Tool	—	—	☉	☉
Back Spindle	—	☉	—	☉
Front Working Driven Tool	—	—	OP	☉
Back Working Driven Tool	—	—	—	☉
CF Axis	—	—	OP	OP
Rough Material Bushing (Max. machining = Bar diameter x 3)	OP	OP	OP	OP
Chip conveyer / Chip bucket	OP	OP	OP	OP

☉ : Standard — : No available

OP : option

ITEMS	32	32B	32CS	32CSB
Spindle 5° indexing	☉	☉	☉	☉
Part off detective sensor	☉	☉	☉	☉
Coolant system	☉	☉	☉	☉
Working light	☉	☉	☉	☉
Part catcher	☉	☉	☉	☉
Live Bushing	☉	☉	☉	☉
Cross Working Driven Tool	—	—	☉	☉
Back Spindle	—	☉	—	☉
Front Working Driven Tool	—	—	OP	☉
Back Working Driven Tool	—	—	—	☉
CF Axis	—	—	OP	OP
Rough Material Bushing (Max. machining = Bar diameter x 3)	OP	OP	OP	OP
Chip conveyer / Chip bucket	OP	OP	OP	OP

☉ : Standard — : No available

OP : option



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**DIAMOND**

**20 Series** MODEL: 20 / 20B / 20CS / 20CSB  
**32 Series** MODEL: 32 / 32B / 32CS / 32CSB

**SWISS TYPE CNC AUTO LATHE**

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