



Automatic Lathes

AL / GL / PL series

AL / GL / PL Series

Minimum Investment with Maximum Productivity

Promach's AL, GL, and PL series is your only choice to remain competitive in the world of mass production. With different automatic lathes to choose from, you will find the best price / productivity ratio that will MAXIMIZE your profit.



AUTOMATIC LATHE



PL series
Twin spindle machine equipped with 9 axes
to maximize productivity and efficiency



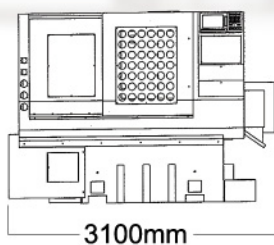
GL series
Linear guideway system allows fast cycle time
and flexible tooling system



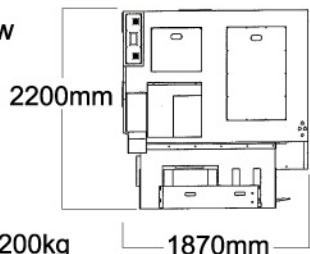
AL series
Box way system allows greater rigidity and stability



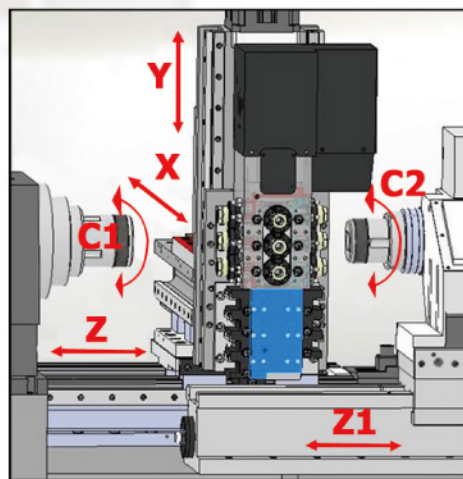
Front View



Side View



Weight: 3200kg



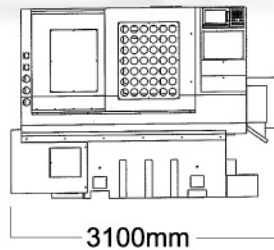
Axes Movement

	PL-42SM	PL-60SM
Spindle Capacity		
Spindle Max. Bar Working Dia	42 mm	60 mm
Spindle Max. Turning Length.	165 mm	165 mm
Spindle Collet Chuck Type	KK5-173E/42B	KK6-185E/60B
Spindle Nose	ISO (DIN) A2-5	ISO (DIN) A2-6
Spindle Bore	44 mm	62 mm
Spindle Speed Range	100~4000 rpm	100~3000 rpm
Spindle Motor	Mitsubishi Servo 7.5 kW	Mitsubishi Servo 7.5 kW
Sub-Spindle Capacity		
Sub-Spindle Max. Turning Dia.	30 mm	30 mm
Sub-Spindle Max. Bar Working Dia	30 mm	30 mm
Sub-Spindle Max. Turning Length.	155 mm	155 mm
Sub-Spindle Collet Chuck Type	KK5-163E/30B	KK5-163E/30B
Sub-Spindle Nose	ISO (DIN) A2-4	ISO (DIN) A2-4
Sub-Spindle Bore	26 mm	26 mm
Sub-Spindle Speed Range	100~4000 rpm	100~4000 rpm
Sub-Spindle Motor	Mitsubishi Servo 2.0kw (opt. 3.7kw)	Mitsubishi Servo 2.0kw (opt. 3.7kw)
Travel & Feed		
X axis Travel	250 mm	250 mm
Y axis Travel	380 mm	380 mm
Z axis Travel	330 mm	330 mm
Z-1 axis Travel	470 mm	470 mm
X / Z / Z-1 axis Servo motor	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
Y axis Servo motor	Mitsubishi AC Servo 1.0kW(B)	Mitsubishi AC Servo 1.0kW(B)
A.T.C System		
"1st" Workbench A.T.C System	Gang Type with Servo "Y" Axis	Gang Type with Servo "Y" Axis
Number of Tools	18 Tools	18 Tools
Index Time	0.3 sec (one) / 0.6 (full)	0.3 sec (one) / 0.6 (full)
Tool Shank Size	20 mm	20 mm
Boring Bar	ER-20/20mm	ER-20/20mm
Motorized Tool		
Number of Tools	9 Tools	9 Tools
Tool Size	ER-20	ER-20
Power of Motorized Tool	Mitsubishi AC Servo 1.0kW (opt. 1.5kW)	Mitsubishi AC Servo 1.0kW (opt. 1.5kW)
Max. Drilling Dia.	10mm	10mm
Max. Pressure	ER-20/25mm	ER-20/25mm
Speed	4000rpm	4000rpm
Hydraulic System		
Tank Capacity	100L	100L
Hydraulic Motor	1HP	1HP
Max. Pressure	400 psi	400 psi
Lubrication		
Lubricant Motor	25W	25W
Tank Capacity	2 Liter	2 Liter
Coolant System		
Coolant Tank Capacity	100 Liter	100 Liter
Coolant Motor Type	1HP high pressure coolant pump	1HP high pressure coolant pump

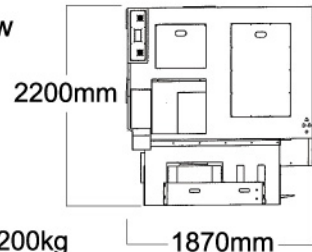
*Specifications subject to change without prior notice



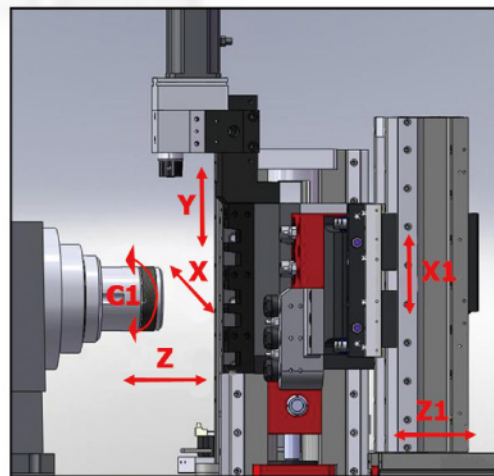
Front View



Side View



Weight: 3200kg

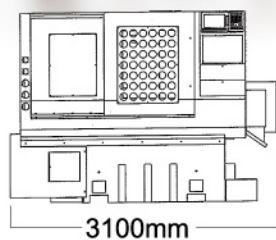


	GL5-42 / GL5-60	GL5-42M / GL5-60M	GL5-42MM / GL5-60MM
Spindle Capacity			
Spindle Max. Bar Working Dia	42 mm / 60 mm	42 mm / 60 mm	42 mm / 60 mm
Spindle Max. Turning Length.	100 mm	100 mm	100 mm
Spindle Collet Chuck Type	KK5-173E/42B / KK6-185E60B	KK5-173E/42B / KK6-185E60B	KK5-173E/42B / KK6-185E60B
Spindle Nose	ISO (DIN) A2-5 / ISO (DIN) A2-6	ISO (DIN) A2-5 / ISO (DIN) A2-6	ISO (DIN) A2-5 / ISO (DIN) A2-6
Spindle Bore	44 mm / 62 mm	44 mm / 62 mm	44 mm / 62 mm
Spindle Speed Range	100~4000 rpm / 100-3000 rpm	100~4000 rpm / 100-3000 rpm	100~4000 rpm / 100-3000 rpm
Spindle Motor	Mitsubishi Servo 7.5 kW	Mitsubishi Servo 7.5 kW	Mitsubishi Servo 7.5 kW
Travel & Feed			
X axis Travel	200 mm	200 mm	200 mm
Y axis Travel	250 mm	250 mm	250 mm
Z / Z-1 axis Travel	235 mm (opt. 335mm)	235 mm (opt. 335mm)	235 mm (opt. 335mm)
X-1 axis Travel	235 mm	235 mm	235 mm
X / Z / Z-1 axis Servo motor	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
Y / X-1 axis Servo motor	Mitsubishi AC Servo 500W(B)	Mitsubishi AC Servo 500W(B)	Mitsubishi AC Servo 500W(B)
A.T.C System			
"1st" Workbench A.T.C System	Gang Type with Servo "Y" Axis	Gang Type with Servo "Y" Axis	Gang Type with Servo "Y" Axis
Number of Tools	OD 5 Tools, ID 3 Tools	OD 5 Tools, ID 3 Tools	OD 5 Tools, ID 3 Tools
Index Time	0.3 sec (one) / 0.6 sec (full)	0.3 sec (one) / 0.6 sec (full)	0.3 sec (one) / 0.6 sec (full)
Tool Shank Size	20 mm	20 mm	20 mm
Boring Bar	ER-20/20mm	ER-20/20mm	ER-20/20mm
"2nd" Workbench A.T.C System	High Speed Gang Type	High Speed Gang Type	High Speed Gang Type
Number of Tools	ID 4 Tools	ID 4 Tools	ID 4 Tools
Index Time	0.3 sec (one) / 0.6 sec (full)	0.3 sec (one) / 0.6 sec (full)	0.3 sec (one) / 0.6 sec (full)
Boring Bar	ER-20/25mm	ER-20/25mm	ER-20/25mm
Motorized Tool			
Number of Tools (Vertical : Horizontal)	N/A	2 : 0	2 : 2
Motorized Tool Size	N/A	ER-16	ER-16
Power of Motorized Tools	N/A	Servo Motor 700W (opt. 1.5kW)	Servo Motor 700W (opt. 1.5kW)
Max. Drilling Dia.	N/A	10mm	10mm
Max Tapping capacity	N/A	M8 x P1.25 Rigid Tapping	M8 x P1.25 Rigid Tapping
Motorized Tools Speed	N/A	50~3500rpm	50~3500rpm
Hydraulic System			
Tank Capacity	60L	60L	60L
Hydraulic Motor	1HP	1HP	1HP
Max. Pressure	400 psi	400 psi	400 psi
Lubrication			
Lubricant Motor	25W	25W	25W
Tank Capacity	2 Liters	2 Liters	2 Liters
Coolant System			
Coolant Tank Capacity	100 Liters	100 Liters	100 Liters
Coolant Motor Type	1HP high pressure coolant pump	1HP high pressure coolant pump	1HP high pressure coolant pump

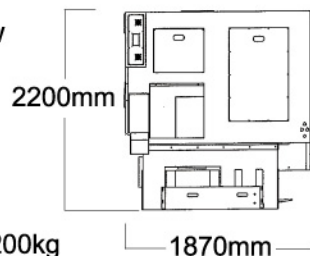
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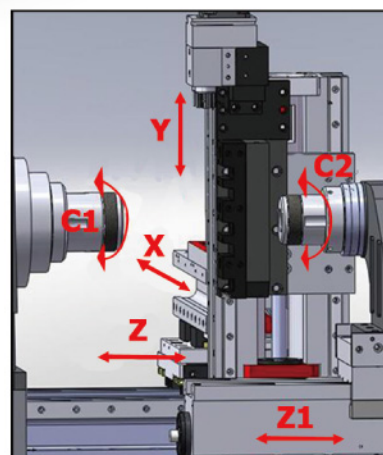
Front View



Side View



Weight: 3200kg



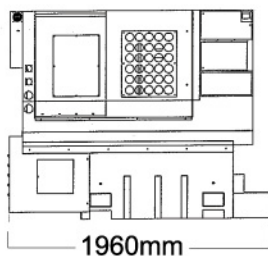
Axes Movement

	GL4-42S / GL4-60S	GL4-42SM / GL4-60SM
Spindle Capacity		
Spindle Max. Bar Working Dia	42 mm / 60 mm	42 mm / 60 mm
Spindle Max. Turning Length.	100 mm	100 mm
Spindle Collet Chuck Type	KK5-173E/42B / KK6-185E/60B	KK5-173E/42B / KK6-185E/60B
Spindle Nose	ISO (DIN) A2-5 / ISO (DIN) A2-6	ISO (DIN) A2-5 / ISO (DIN) A2-6
Spindle Bore	44 mm / 62 mm	44 mm / 62 mm
Spindle Speed Range	100~4000 rpm / 100~3000 rpm	100~4000 rpm / 100~3000 rpm
Spindle Motor	Mitsubishi Servo 7.5 kW	Mitsubishi Servo 7.5 kW
Sub-Spindle Capacity		
Sub-Spindle Max. Turning Dia.	30 mm	30 mm
Sub-Spindle Max. Bar Working Dia	30 mm	30 mm
Sub-Spindle Max. Turning Length.	155 mm	155 mm
Sub-Spindle Collet Chuck Type	KK5-163E/30B	KK5-163E/30B
Sub-Spindle Nose	ISO (DIN) A2-4	ISO (DIN) A2-4
Sub-Spindle Bore	26 mm	26 mm
Sub-Spindle Speed Range	100~4000 rpm	100~4000 rpm
Sub-Spindle Motor	Mitsubishi Servo 3.7 kW	Mitsubishi Servo 3.7 kW
Travel & Feed		
X axis Travel	200 mm	200 mm
Y / Z axis Travel	250 mm	250 mm
Z-1 axis Travel	335 mm	335 mm
X / Z / Z-1 axis Servo motor	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
Y axis Servo motor	Mitsubishi AC Servo 500W(B)	Mitsubishi AC Servo 500W(B)
A.T.C System		
"1st" Workbench A.T.C System	Gang Type with Servo "Y" Axis	Gang Type with Servo "Y" Axis
Number of Tools	15 Tools	15 Tools
Index Time	0.3 sec (one) / 0.6 sec (full)	0.3 sec (one) / 0.6 sec (full)
Tool Shank Size	20 mm	20 mm
Boring Bar	ER-20/20mm	ER-20/20mm
Motorized Tool		
Number of Tools	N/A	2 Tools
Tool Size	N/A	ER-16
Power of Motorized Tool	N/A	Mitsubishi AC Servo 700W
Max. Drilling Dia.	N/A	10mm
Max. Tapping Capacity	N/A	M8 x P1.25 Rigid Tapping
Max. Pressure	N/A	50~350rpm
Hydraulic System		
Tank Capacity	35L	60L
Hydraulic Motor	1HP	1HP
Max. Pressure	400 psi	400 psi
Lubrication		
Lubricant Motor	25W	25W
Tank Capacity	2 Liter	2 Liters
Coolant System		
Coolant Tank Capacity	100 Liter	100 Liters
Coolant Motor Type	1HP high pressure coolant pump	1HP high pressure coolant pump

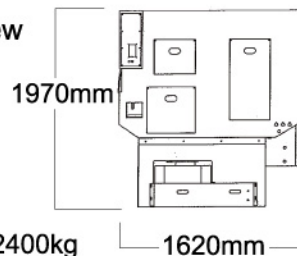
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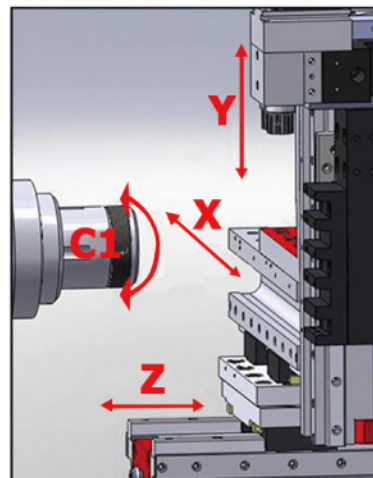
Front View



Side View



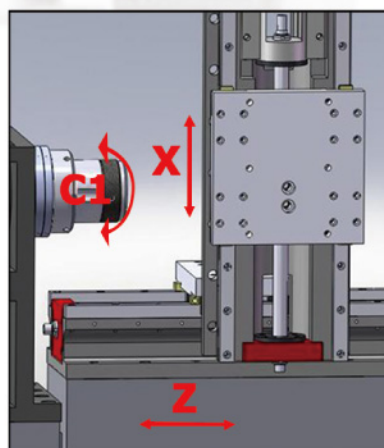
Weight: 2400kg



Axes Movement

	GL3-42 / GL3-60	GL3-42M / GL3-60M
Spindle Capacity		
Spindle Max. Bar Working Dia	42 mm / 60 mm	42 mm / 60 mm
Spindle Max. Turning Length.	100 mm	100 mm
Spindle Collet Chuck Type	KK5-173E/42B / KK6-185E/60B	KK5-173E/42B / KK6-185E/60B
Spindle Nose	ISO (DIN) A2-5 / ISO (DIN) A2-6	ISO (DIN) A2-5 / ISO (DIN) A2-6
Spindle Bore	44 mm / 62 mm	44 mm / 62 mm
Spindle Speed Range	100~4000 rpm	100~4000 rpm
Spindle Motor	Mitsubishi Servo 5.5 kW (opt. 7.5kW)	Mitsubishi Servo 5.5 kW (opt. 7.5kW)
Travel & Feed		
X axis Travel	135 mm	135 mm
Y axis Travel	270 mm	270 mm
Z axis Travel	250 mm	250 mm
X / Z axis Servo motor	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
Y axis Servo motor	Mitsubishi AC Servo 500W(B)	Mitsubishi AC Servo 500W(B)
A.T.C System		
Workbench A.T.C System	Gang Type with Servo "Y" Axis	Gang Type with Servo "Y" Axis
Number of Tools	9 Tools	9 Tools
Index Time	0.2 sec (one) / 0.6 sec (full)	0.2 sec (one) / 0.6 sec (full)
Tool Shank Size	20 mm	20 mm
Boring Bar	ER-20/20mm	ER-20/20mm
Motorized Tool		
Number of Tools	N/A	2 Tools
Tool Size	N/A	ER-16
Power of Motorized Tool	N/A	700W Servo Motor
Max. Drilling Dia.	N/A	10mm
Max. Tapping Capacity	N/A	M8 x P1.25 Rigid Tapping
Speed	N/A	50~3500rpm
Hydraulic System		
Tank Capacity	60L	60L
Hydraulic Motor	1HP	1HP
Max. Pressure	400 psi	400 psi
Lubrication		
Lubricant Motor	25W	25W
Tank Capacity	2 Liters	2 Liters
Coolant System		
Max. Pressure	100 Liters	100 Liters
Coolant Motor Type	1/4HP Coolant pump	1/4HP Coolant pump

*Specifications subject to change without prior notice



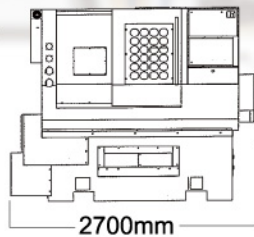
Axes Movement

	GL2-25 / GL2-42	GL2-42N / GL2-60N	GL2-42NT / GL2-60NT
Spindle Capacity			
Spindle Max. Turning Dia.	25 mm / 42 mm	42 mm / 60 mm	150 mm
Spindle Max. Bar Working Dia	25 mm / 42 mm	42 mm / 60 mm	42 mm (opt. 60mm)
Spindle Max. Turning Length.	100 mm	100 mm (opt. 310mm)	100 mm (opt. 310mm)
Spindle Collet Chuck Type	KK5-163E/30B / KK5-175E/42B	KK5-173E/42B / KK6-185E/60B	N/A
Spindle Nose	ISO (DIN) A2-4 / ISO (DIN) A2-5	ISO (DIN) A2-5 / ISO (DIN) A2-6	ISO (DIN) A2-5 / ISO (DIN) A2-6
Spindle Bore	26 mm / 44 mm	45 mm	45 mm
Max. Swing Length	N/A	350 mm	350 mm
Spindle Speed Range	100~4000 rpm	100~4000 rpm (opt. 6000 rpm)	100~4000 rpm (opt. 6000 rpm)
Spindle Motor	Mitsubishi Servo 3.7kW (opt. 5.5kW)	Mitsubishi Servo 5.5kW (opt. 7.5kW)	Mitsubishi Servo 5.5kW (opt. 7.5kW)
Travel & Feed			
X axis Travel	280 mm	280 mm	280 mm
Z axis Travel	250 mm	235 mm (opt. 335mm)	235 mm (opt. 335mm)
X axis Servo motor	Mitsubishi AC Servo 500W(B)	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
Z axis Servo motor	Mitsubishi AC Servo 500W	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
A.T.C System			
Workbench A.T.C System	High Speed Gang Type	High Speed Gang Type	Hydraulic Turret
Number of Tools	7 Tools	6 Tools	8 Tools
Index Time	0.3 sec (one) / 0.6 sec (full)	0.3 sec (one) / 0.6 (full)	0.8 sec (one) / 2.0 (full)
Tool Shank Size	16 mm	20 mm	20 mm
Boring Bar	ER-20/20mm	ER-20/20mm	ER-20/20mm
Hydraulic System			
Tank Capacity	60L	40L	40L
Hydraulic Motor	1HP	1HP	1HP
Max. Pressure	400 psi	400 psi	400 psi
Lubrication			
Lubricant Motor	25W	25W	25W
Tank Capacity	2 Liters	2 Liter	2 Liter
Coolant System			
Coolant Tank Capacity	100 Liters	95 Liter	95 Liter
Coolant Motor Type	1/4HP Coolant pump	TPHK4T3-3	TPHK4T3-3
Machine Size			
Machine Length	1900 mm	2300 mm	2300 mm
Machine Width	970 mm	1100 mm	1100 mm
Machine Height	1970 mm	1700 mm	1700 mm
Max. Pressure	2100 kg	3000 kg	3000 kg

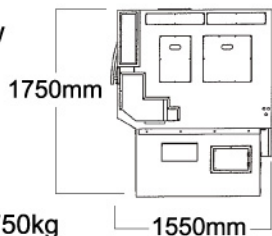
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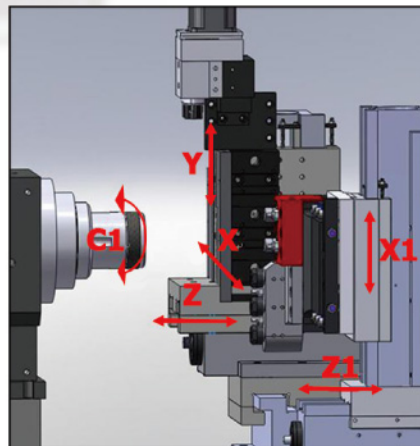
Front View



Side View



Weight: 2750kg



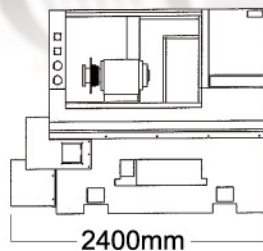
Axes Movement

	AL5-42M / AL5-60M	AL5-42MM / AL5-60MM
Spindle Capacity		
Spindle Max. Bar Working Dia.	42mm / 60mm	42mm / 60mm
Spindle Max. Turning Length.	225mm (opt. 325mm)	225mm (opt. 325mm)
Spindle Collet Chuck Type	KK5-173E/42B / KK6-185E/60B	KK5-173E/42B / KK6-185E/60B
Spindle Nose	ISO(DIN)A2-5 / ISO(DIN)A2-6	ISO(DIN)A2-5 / ISO(DIN)A2-6
Spindle Bore	44mm / 62mm	44mm / 62mm
Spindle Speed Range	100~4000rpm / 100~3000rpm	100~4000rpm / 100~3000rpm
Spindle Motor	Mitsubishi Servo Spindle 7.5Kw	Mitsubishi Servo Spindle 7.5Kw
Travel & Feed		
X axis Travel	175mm	175mm
Y axis Travel	235mm	235mm
Z / Z-1 axis Travel	235mm (opt. 335mm)	235mm (opt. 335mm)
X-1 axis Travel	250mm	250mm
Cutting Feed	15~5000mm / min	15~5000mm / min
X / Z / Z-1 axis Servomotor	Mitsubishi AC Servo 1.0kW	Mitsubishi AC Servo 1.0kW
Y / X-1 axis Servomotor	Mitsubishi AC Servo 500W	Mitsubishi AC Servo 500W
A.T.C System		
1st Workbench A.T.C System	Gang Type With Servo "Y" Axis	Gang Type With Servo "Y" Axis
Number of Tools	9 Tools	9 Tools
Index Time	0.3sec (one) / 0.8 sec (full)	0.3sec (one) / 0.8 sec (full)
Tools Size	ER-20/20mm	ER-20/20mm
2nd Workbench A.T.C System	High Speed Gang Type	High Speed Gang Type
Number of Tools	4 Tools	4 Tools
Boring Bar	ER-20/25mm	ER-20/25mm
Motorized Tool		
Number of Tools (Vertical : Horizontal)	2 : 0	2 : 2
Tools size	ER-16	ER-16
Power of Motorized Tools	Servo Motor 700W (opt. 1.5kW)	Servo Motor 700W (opt. 1.5kW)
Max. Drilling Dia.	10mm	10mm
Max Tapping capacity	M8 x P1.25 Rigid Tapping	M8 x P1.25 Rigid Tapping
Motorized Tools Speed	50~3500rpm	50~3500rpm
Hydraulic System		
Tank Capacity	60L	60L
Hydraulic Motor	1HP	1HP
Max. Pressure	400 psi	400 psi
Max. Pressure		
Lubricant Motor	25W	25W
Tank Capacity	2 Liters	2 Liters
Coolant System		
Coolant Tank Capacity	100 Liters	100 Liters
Coolant Motor Type	1/2 HP high pressure coolant pump	1/2 HP high pressure coolant pump

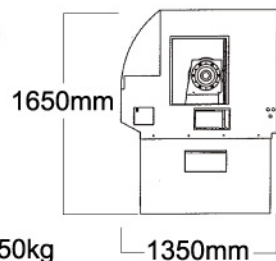
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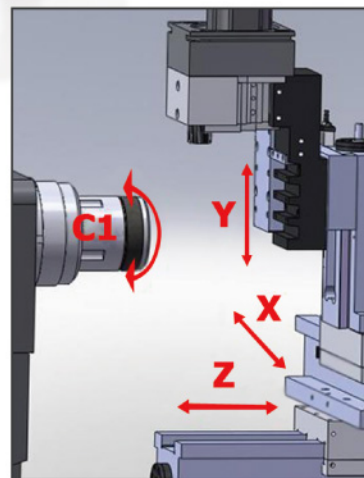
Front View



Side View



Weight: 2150kg



Axes Movement

	AL4-42	AL4-42M
Spindle Capacity		
Spindle Max. Bar Working Dia	42 mm	42 mm
Spindle Max. Turning Length.	170 mm	170 mm
Spindle Collet Chuck Type	KK5-173E/42B	KK5-173E/42B
Spindle Nose	ISO (DIN) A2-5	ISO (DIN) A2-5
Spindle Bore	44 mm	44 mm
Spindle Speed Range	100~4000 rpm	100~4000 rpm
Spindle Motor	Mitsubishi Servo 5.5 kw	Mitsubishi Servo 5.5 kw
Travel & Feed		
X axis Travel	225 mm	225 mm
Y axis Travel	120 mm	120 mm
Z axis Travel	225 mm	225 mm
Cutting Feed	15~5000 mm / min	15~5000 mm / min
X axis Servo motor	Mitsubishi AC Servo 500w	Mitsubishi AC Servo 500w
Y axis Servo motor	Mitsubishi AC Servo 500w	Mitsubishi AC Servo 500w
Z axis Servo motor	Mitsubishi AC Servo 500w	Mitsubishi AC Servo 500w
A.T.C System		
Workbench A.T.C System	Gang Type with Servo "Y" Axis	Gang Type with Servo "Y" Axis
Number of Tools	10 Tools	10 Tools
Index Time	0.3 sec (one) / 0.8 sec (full)	0.3 sec (one) / 0.8 sec (full)
Tool Shank Size	16 mm	16 mm
Boring Bar	ER-20	ER-20
Motorized Tool		
Number of Tools	N/A	2 Live Tools
Tools size	N/A	ER-16
Power of Motorized Tools	N/A	Servo Motor 700W
Motorized Tools Speed	N/A	50~3500rpm
Hydraulic System		
Tank Capacity	60L	60L
Tank Capacity	1HP	1HP
Max. Pressure	400 psi	400 psi
Lubrication		
Lubricant Motor	25W	25W
Tank Capacity	2 Liters	2 Liters
Coolant System		
Max. Pressure	100 Liters	100 Liters
Coolant Motor Type	1/2 HP Coolant Pump	1/2 HP Coolant Pump

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Accessories	AL4-42	AL4-42M	AL5-42M	AL5-42MM	AL5-60M	AL5-60MM	GL2-25	GL2-42	GL3-42	GL3-42M	GL3-60	GL3-60M	GL4-42S	GL4-42SM	GL4-60S	GL4-60SM	GL5-42	GL5-42M	GL5-42MM	GL5-60	GL5-60M	GL5-60MM	PL-42SM	PL-60SM	
Hydraulic system unit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hydraulic cylinder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
25mm spindle bore 163E-30B collet	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
42mm spindle bore 173E-42B collet	●	●	●	●	—	—	⊙	●	●	●	—	—	●	●	—	—	●	●	●	—	—	—	●	—	
60mm spindle bore 185E-60B collet	—	—	⊙	⊙	●	●	—	—	⊙	⊙	●	●	⊙	⊙	●	●	⊙	⊙	⊙	●	●	●	⊙	●	
3 jaw chuck	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
Coolant system	●	●	—	—	—	—	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—	
Coolant system (High pressure)	—	—	●	●	●	●	⊙	⊙	⊙	⊙	⊙	⊙	—	—	—	—	●	●	●	●	●	●	●	●	
Auto lubricator	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Drill holder ER-16/20*1	—	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—	—	—	—	—	—	—	—	—	
Drill holder ER-20*2	●	●	●	●	●	●	—	—	—	—	—	—	●	●	●	●	●	●	●	●	●	●	●	●	
Tapping holder ER-16/20*1	—	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—	—	—	—	—	—	—	—	—	
Tapping holder ER-20*1	●	●	●	●	●	●	—	—	—	—	—	—	●	●	●	●	●	●	●	●	●	●	●	●	
ER-20 collets (1 box)	●	●	●	●	●	●	—	—	—	—	—	—	●	●	●	●	●	●	●	●	●	●	●	●	
Operation light	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Chip conveyor	●	●	●	●	●	●	⊙	⊙	⊙	⊙	⊙	⊙	●	●	●	●	●	●	●	●	●	●	●	●	
Parts catcher	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Parts conveyor	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Auto switch due alarm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Bar-loader interface	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Transformer 380~440V-60/50HZ	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Simulation Software	●	●	●	●	●	●	—	—	—	—	—	—	●	●	●	●	●	●	●	●	●	●	●	●	
Horizontal milling tools	⊙	●	⊙	●	⊙	●	—	—	—	—	—	—	—	—	—	—	—	⊙	●	—	⊙	●	●	●	
Vertical milling tools	—	—	●	●	●	●	—	—	⊙	●	⊙	●	⊙	●	⊙	●	⊙	●	●	⊙	●	●	—	—	
Extend Z axis 335mm	—	—	⊙	⊙	⊙	⊙	—	—	—	—	—	—	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	—	—	
Extend Z1 axis 335mm	—	—	⊙	⊙	⊙	⊙	—	—	—	—	—	—	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	—	—	
Extend Z and Z1 axis 335mm	—	—	⊙	⊙	⊙	⊙	—	—	—	—	—	—	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	—	—	
3.7KW sub-spindle servo motor	—	—	—	—	—	—	—	—	—	—	—	—	⊙	⊙	—	—	—	—	—	—	—	—	⊙	⊙	
1.5KW motorized tools motor	—	—	⊙	⊙	⊙	⊙	—	—	—	—	—	—	—	—	—	—	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	
C axis (Magnetic Encoder)	—	—	⊙	⊙	⊙	⊙	—	—	—	—	—	—	—	—	—	—	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	

●Standard ⊙Option —None

*Accessories subject to change without prior notice



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