

World Top Class Quality

HYUNDAI WIA MACHINE TOOLS SERIES

CNC Turning Center



Vertical Machining Center



Horizontal Machining Center





EXPERIENCE THE NEW TECHNOLOGY

World Top Class Quality HYUNDAI WIA Machine Tools Series

Machine Tools Line-up

Advanced Production

Amazing Crystallizations
From Precision Machine Technology

Machine tools are the root of the production industry and Hyundai WIA has been laying accent on the machine tools manufacturing sector since the early days of its management, especially to cope with the arrival of the age of unattended plant operation.

Hyundai WIA's machine tools are the shaped crystals of efforts poured into the whole process of production and distribution, from self-reliant designing to manufacturing and after service.

Hyundai WIA's products are well received not only in South Korea but also in the overseas markets with a worldwide network of over 80 dealerships. The products faithfully reflect the conviction of Hyundai WIA's dreams of an early realization of factory automation via harmony between human beings and machines.

“HYUNDAI WIA Machine Tools will lead to a Future of
Technology in which Dreams come True”

04 - CNC Turning Center

KIT4500 | E160 Series | SE2000 Series | SE2200 Series | L280 Series | L300 Series | HD Series
L400 Series | L500 Series | L5100LY | L600/700/800 Series | KL7000LY/8000LY | LV Series | LV1400/2000
SE-Y Series | HD-Y Series | L-Y Series | LM-TT Series | KM2600MTTS
LF-II Series | L-AW Series

28 - Vertical Machining Center

i-CUT Series | KF-II Series | KF-B II Series | FD Series | KF7600L | F850 | F750B/960B
KF760BM/960BM | KF3500/5A | Hi-MOLD Series | XF Series

38 - Horizontal Machining Center Machine

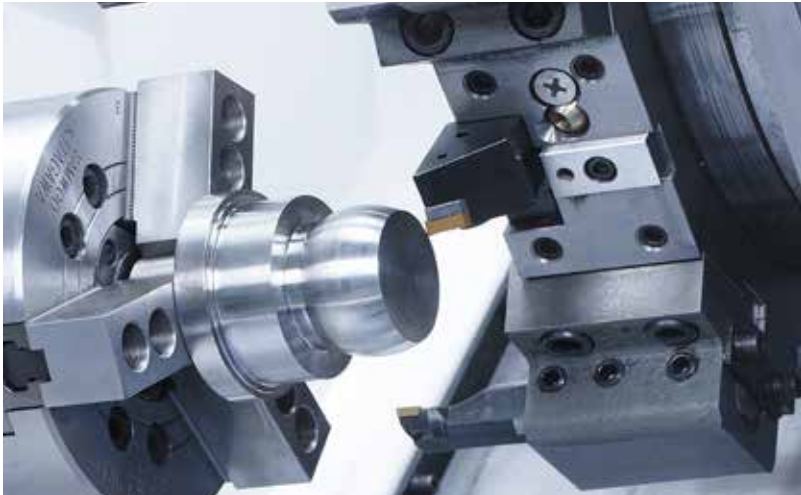
KH50G/63G | KH80G | KH1000 | HS4000/5000 Series | HS-II Series

42 - CNC Boring Machine

KBN135 | KBN135C

44 - FA Line Center

WH40R/RS | WH50T/50TB/50TS/50C | WH60T | WH63T | WH80T | WH100T | WH50D



EXPERIENCE THE NEW TECHNOLOGY

EFFICIENT TYPE TURNING CENTER

KIT4500

- 60° slanted one-piece bed structure with high rigidity
- Stable unit structure to minimize thermal displacement
- Reduction of belt damage and spindle vibration through decrease of spindle belt length
- Optimal design for automation
- Compact design suitable for installation in limited space

E160 Series

- 45° slanted one-piece bed structure with high rigidity
- Impressive rapid traverse rate: 30m/min (1,181ipm)
- The most reliable high speed servo turret : 0.1sec
- Ergonomic design
- Compact design suitable for installation in limited space

SE2000PA/PC

- 45° slanted one-piece bed structure with high rigidity
- Application of box guideways for heavy duty cutting
- The most reliable high speed servo turret : 0.12sec
- Compact design suitable for installation in limited space
- Ergonomic design for convenient access to chuck and tool



KIT4500 - Gang Type CNC Turning Center

MODEL		KIT4500
Max. Turning Dia.	mm(in)	Ø165 (Ø6.5")
Max. Turning Length	mm(in)	300 (11.8")
Chuck Size	inch	6"
Bar Capacity	mm(in)	Ø51 (Ø2")
Sp. Speed	r/min	6,000
Sp. Power (Max.)	kW(HP)	15 [25] (20 [33.5])
Travel (X/Z)	mm(in)	450/300 (17.7"/11.8")
No. of Tools	EA	Block Tool : 6

[] : Option • : iTROL

E160 SERIES - Efficient Type CNC Turning Center

MODEL		E160A	E160C
Max. Turning Dia.	mm(in)	Ø280 (Ø11")	Ø280 (Ø11")
Max. Turning Length	mm(in)	300 (11.8")	280 (11")
Chuck Size	inch	6"	8"
Bar Capacity	mm(in)	Ø45 (1.8")	Ø51 (2")
Sp. Speed	r/min	6,000	4,000 [4,000]
Sp. Power (Max.)	kW(HP)	11 [10.8] (15 [14.5])	11 [15] [10.8] (15 [20] [14.5])
Travel (X/Z)	mm(in)	165/330 (6.5"/13")	165/330 (6.5"/13")
No. of Tools	EA	12	10

[] : Option • : iTROL

SE2000PA/PC - Efficient Type CNC Turning Center

MODEL		SE2000PA	SE2000PC
Max. Turning Dia.	mm(in)	Ø350 (Ø13.8")	Ø350 (Ø13.8")
Max. Turning Length	mm(in)	280 (11")	280 (11")
Chuck Size	inch	6"	8"
Bar Capacity	mm(in)	Ø51 (2")	Ø65 (2.6")
Sp. Speed	r/min	6,000	4,500
Sp. Power (Max.)	kW(HP)	15 [10.8] (20 [14.5])	15 [10.8] (20 [14.5])
Travel (X/Z)	mm(in)	210/310 (8.3"/12.2")	210/310 (8.3"/12.2")
No. of Tools	EA	12	12

[] : Option • : iTROL



EXPERIENCE THE NEW TECHNOLOGY

EFFICIENT TYPE TURNING CENTER

SE2200 Series

- 30° slanted one-piece bed structure with high rigidity
- Roller guideways on all axes ensure high-rigidity (X/Z-axis: 30/36m/min)
- Improved user convenience with the latest FANUC controller
- User-oriented lineup including long-bed, mill turret and sub-spindle
- Compact structure with internal-motor design (for standard-type bed)
- Ergonomic design for convenient access to chuck and tool

SE2200A SERIES - Efficient Type CNC Turning Center

MODEL		SE2200A SE2200MA	SE2200LA SE2200LMA	SE2200LMSA
Max. Turning Dia.	mm(in)	Ø350 (Ø13.8") Ø300 (Ø11.8")	Ø350 (Ø13.8") Ø300 (Ø11.8")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	340 (13.4") 309 (12.2")	560 (22") 529 (20.8")	529 (20.8")
Chuck Size	inch	6"	6"	M : 6" / S : 5"
Bar Capacity	mm(in)	Ø51 (Ø2")	Ø51 (Ø2")	M : Ø51 (Ø2") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	6,000	6,000	M : 6,000 / S : 5,000
Sp. Power (Max.)	kW(HP)	15 [13.5] (20 [18])	15 [13.5] (20 [18])	M : 15 [13.5] (20 [18]) / S : 7.5 [7.4] (10 [9.9])
Travel (X/Z)	mm(in)	210/340 (8.3"/13.4")	210/560 (8.3"/22")	210/560 (8.3"/22")
No. of Tools	EA	12 12 [24] (BMT45)	12 12 [24] (BMT45)	12 [24] (BMT45)

[] : Option • iTROL

SE2200 SERIES - Efficient Type CNC Turning Center

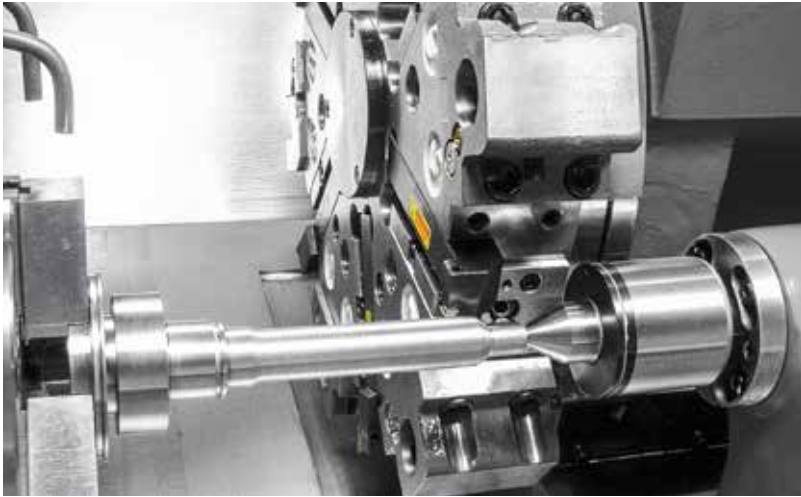
MODEL		SE2200 SE2200M	SE2200L SE2200LM	SE2200LMS
Max. Turning Dia.	mm(in)	Ø350 (Ø13.8") Ø300 (Ø11.8")	Ø350 (Ø13.8") Ø300 (Ø11.8")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	307 (12.1") 288 (11.3")	558 (22") 508 (20")	508 (20")
Chuck Size	inch	8"	8"	M : 8" / S : 5"
Bar Capacity	mm(in)	Ø65 (Ø2.6")	Ø65 (Ø2.6")	M : Ø65 (Ø2.6") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	4,500	4,500	M : 4,500 / S : 6,000
Sp. Power (Max.)	kW(HP)	15 [13.5] (20 [18])	15 [13.5] (20 [18])	M : 15 [13.5] (20 [18]) / S : 7.5 [7.4] (10 [9.9])
Travel (X/Z)	mm(in)	210/340 (8.3"/13.4")	210/560 (8.3"/22")	210/560 (8.3"/22")
No. of Tools	EA	12 12 [24] (BMT45)	12 12 [24] (BMT45)	12 [24] (BMT45)

[] : Option • iTROL

SE2200C SERIES - Efficient Type CNC Turning Center

MODEL		SE2200LC	SE2200LMC	SE2200LMSC
Max. Turning Dia.	mm(in)	Ø350 (Ø13.8")	Ø300 (Ø11.8")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	549 (21.6")	499 (19.6")	499 (19.6")
Chuck Size	inch	10"	10"	M : 10" / S : 5"
Bar Capacity	mm(in)	Ø81 (Ø3.2")	Ø81 (Ø3.2")	M : Ø81 (Ø3.2") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	3,500	3,500	M : 3,500 / S : 6,000
Sp. Power (Max.)	kW(HP)	18.5 [13.5] (20 [18])	18.5 [13.5] (20 [18])	M : 18.5 [13.5] (20 [18]) / S : 7.5 [7.4] (10 [9.9])
Travel (X/Z)	mm(in)	210/560 (8.3"/22")	210/560 (8.3"/22")	210/560 (8.3"/22")
No. of Tools	EA	12	12 [24] (BMT45)	12 [24] (BMT45)

[] : Option • iTROL



EXPERIENCE THE NEW TECHNOLOGY

STANDARD TYPE TURNING CENTER



L280 Series

- Roller bearings of $\varnothing 140$ ($\varnothing 5.5''$) and double angular contact bearings for the main spindle
- Highly sturdy and reliable servo turret
- Main body designed to achieve high rigidity and accuracy
- A powerful tailstock with a thrust of 7,252 N·m (5,348.8 lbf·ft)
- HYUNDAI iTROL (Option) - L280/280L

L300 Series

- Rigidity secured through box guideways
- Highly accurate direct link and solid one-piece structure
- Main spindle heat displacement minimized
- All gearless type spindle machines are equipped with mill turret
- Integrated process realized through adoption of 8" sub spindle ('S' Type)
- Optional big bore spindle is available (L300C Series)

L280 SERIES - Standard CNC Turning Center

MODEL		L280	L280L	L280LM
Max. Turning Dia.	mm(in)	Ø410 (Ø16.1")	Ø410 (Ø16.1")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	720 (28.3")	1,070 (42.1")	1,000 (39.4")
Chuck Size	inch	10"	10"	10"
Bar Capacity	mm(in)	Ø76 (Ø3")	Ø76 (Ø3")	Ø76 (Ø3")
Sp. Speed	r/min	3,000	3,000	3,500
Sp. Power (Max.)	kW(HP)	22 [33.6] (30 [45])	22 [33.6] (30 [45])	22 [33.6] (30 [45])
Travel (X/Z)	mm(in)	220/750 (8.7"/29.5")	220/1,100 (8.7"/43.3")	220/1,020 (8.7"/40.2")
No. of Tools	EA	10 [12]	10 [12]	12 (VDI40)

[] : Option • iTROL

L300 SERIES - CNC Turning Center with Box Guideways for Heavy Duty Cutting

MODEL		L300A	L300MA	L300LA	L300MSA
Max. Turning Dia.	mm(in)	Ø500 (Ø19.7")	Ø410 (Ø16.1")	Ø500 (Ø19.7")	Ø410 (Ø16.1")
Max. Turning Length	mm(in)	720 (28.3")	680 (26.8")	1,320 (52")	680 (26.8")
Chuck Size	inch	10"	10"	10"	M : 10" / S : 8"
Bar Capacity	mm(in)	Ø76 (Ø3")	Ø76 (Ø3")	Ø76 (Ø3")	M : Ø76 (Ø3") / S : Ø65 (2.6")
Sp. Speed	r/min	3,600 [3,500]	3,500	3,600 [3,500]	M : 3,500 / S : 4,000
Sp. Power (Max.)	kW(HP)	22 [22] (30 [30])	22 (30)	22 [22] (30 [30])	M : 22 [22] (30 [30]) / S : 11 (15)
Travel (X/Z/ZB)	mm(in)	290/750 (11.4"/29.5")	290/750 (11.4"/29.5")	290/1,350 (11.4"/53.1")	290/750/700 (11.4"/29.5"/27.5")
No. of Tools	EA	12	12 (BMT65)	12	12 (BMT65)

MODEL		L300LMA	L300LMSA	L300C	L300LC
Max. Turning Dia.	mm(in)	Ø410 (Ø16.1")	Ø410 (Ø16.1")	Ø560 (22")	Ø560 (22")
Max. Turning Length	mm(in)	1,280 (50.4")	1,250 (49.2")	720 (28.3")	1,320 (52")
Chuck Size	inch	10"	M : 10" / S : 8"	12" [15"]	12" [15"]
Bar Capacity	mm(in)	Ø76 (Ø3")	M : Ø76 (Ø3") / S : Ø65 (2.6")	Ø90 [Ø102] (Ø3.5" [Ø4"])	Ø90 [Ø102] (Ø3.5" [Ø4"])
Sp. Speed	r/min	3,500	M : 3,500 / S : 4,000	3,000 [2,800] [3,300]	3,000 [2,800] [3,300]
Sp. Power (Max.)	kW(HP)	22 (30)	M : 22 (30) / S : 11 (15)	26 [26] [26.4] (35 [35] [35.4])	26 [26] [26.4] (35 [35] [35.4])
Travel (X/Z/ZB)	mm(in)	290/1,350	290/1,350/1,200 (11.4"/53.1"/47.2")	355/750 (14"/29.5")	355/1,350 (14"/53.1")
No. of Tools	EA	12 (BMT65)	12 (BMT65)	12	12

MODEL		L300MC	L300MSC	L300LMC
Max. Turning Dia.	mm(in)	Ø500 (Ø19.7")	Ø500 (Ø19.7")	Ø500 (Ø19.7")
Max. Turning Length	mm(in)	600 (23.6")	600 (23.6")	1,260 (49.6")
Chuck Size	inch	12" [15"]	M : 12" [15"] / S : 8"	12" [15"]
Bar Capacity	mm(in)	Ø90 [Ø102] (Ø3.5" [Ø4"])	M : Ø90 [Ø102] (Ø3.5" [Ø4"]) / S : Ø65 (2.6")	Ø90 [Ø102] (Ø3.5" [Ø4"])
Sp. Speed	r/min	3,000 [2,800] [3,500]	M : 3,000 [2,800] / S : 4,000	3,000 [2,800] [3,500]
Sp. Power (Max.)	kW(HP)	22 [22] [33.6] (30 [30] [45])	M : 22 [22] (30 [30]) / S : 11 (15)	22 [22] [33.6] (30 [30] [45])
Travel (X/Z/ZB)	mm(in)	355/750 (14"/29.5")	355/750/700 (14"/29.5"/27.6")	355/1,350 (14"/53.1")
No. of Tools	EA	12 (BMT65)	12 (BMT65)	12 (BMT65)

[] : Option • iTROL • Bigbore



EXPERIENCE THE NEW TECHNOLOGY

TURNING CENTER WITH BOX GUIDEWAYS



HD Series

- Box guideways for heavy-duty cutting
- Stable unit structure to minimize thermal displacement
- Easy to use for high productivity
- Excellent rapid traverse rate: 30m/min [1,181ipm] (Z-axis)
- High-rigidity and high-speed servo turret
- Ergonomic design for convenient access to chuck and tool



HD2200 SERIES - CNC Turning Center with Box Guideways for Heavy Duty Cutting

MODEL		HD2200 HD2200C	HD2200M HD2200MC
Max. Turning Dia.	mm(in)	Ø380 (Ø15")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	565 (22.2") 550 (21.7")	467 (18.4") 452 (17.8")
Chuck Size	inch	8" [10"] 10"	8" [10"] 10"
Bar Capacity	mm(in)	Ø65 (Ø2.6") Ø81 (Ø3.2")	Ø65 (Ø2.6") Ø81 (Ø3.2")
Sp. Speed	r/min	4,500 [4,000] [4,000] 3,500 [3,500]	4,500 [4,000] [4,000] 3,500 [3,500]
Sp. Power (Max.)	kW(HP)	18.5 [18.5] [23.6] (25 [25] [31.5]) 18.5 [26.4] (25 [35.4])	18.5 [18.5] [23.6] (25 [25] [31.5]) 18.5 [26.4] (25 [35.4])
Travel (X/Z)	mm(in)	215/580 (8.5"/22.8")	215/482 (8.5"/19.1")
No. of Tools	EA	12	12 (BMT55)

[] : Option • iTROL

HD2600/3100A SERIES - CNC Turning Center with Box Guideways for Heavy Duty Cutting

MODEL		HD2600	HD2600M	HD3100A	HD3100MA
Max. Turning Dia.	mm(in)	Ø460 (Ø18.1")	Ø380 (Ø15")	Ø500 (Ø19.7")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	659 (25.9")	613 (24.1")	780 (30.7")	740 (29.1")
Chuck Size	inch	10" [12"]	10"	10"	10"
Bar Capacity	mm(in)	Ø81 (Ø3.2")	Ø81 (Ø3.2")	Ø81 (Ø3.2")	Ø81 (Ø3.2")
Sp. Speed	r/min	3,500 [2,800]	3,500 [2,800]	3,500	3,500
Sp. Power (Max.)	kW(HP)	26 [26] (35 [35])	26 [26] (35 [35])	26 (35)	26 (35)
Travel (X/Z)	mm(in)	265/680 (10.4"/26.8")	265/680 (10.4"/26.8")	265/830 (10.4"/32.7")	265/830 (10.4"/32.7")
No. of Tools	EA	10 [12]	12 (BMT55)	10 [12]	12 (BMT65)

[] : Option

HD3100 SERIES - CNC Turning Center with Box Guideways for Heavy Duty Cutting

MODEL		HD3100	HD3100L	HD3100M	HD3100LM
Max. Turning Dia.	mm(in)	Ø500 (Ø19.7")	Ø500 (Ø19.7")	Ø420 (Ø16.5")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	780 (30.7")	1,300 (51.2")	740 (29.1")	1,260 (49.6")
Chuck Size	inch	12"	12"	12"	12"
Bar Capacity	mm(in)	Ø102 (Ø4")	Ø102 (Ø4")	Ø102 (Ø4")	Ø102 (Ø4")
Sp. Speed	r/min	2,800	2,800	2,800	2,800
Sp. Power (Max.)	kW(HP)	26 [35] (35 [47])	26 [35] (35 [47])	26 [35] (35 [47])	26 [35] (35 [47])
Travel (X/Z)	mm(in)	265/830 (10.4"/32.7")	265/1,350 (10.4"/53.1")	265/830 (10.4"/32.7")	265/1,350 (10.4"/53.1")
No. of Tools	EA	10 [12]	10 [12]	12 (BMT65)	12 (BMT65)

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

HEAVY DUTY CUTTING TURNING CENTER



L400 Series

- Rigidity secured through box guideways
- One-piece structure for high accuracy and sturdiness
- Main spindle heat displacement minimized
- Main spindle driven by 2 step gear box (L400MA : Belt)
- Optional big bore spindle is available for pipe machining (L400C Series)

L400A SERIES - CNC Turning Center with Box Guideways for Heavy Duty Cutting

MODEL		L400A	L400MA
Max. Turning Dia.	mm(in)	Ø640 (Ø25.2")	Ø570 (Ø22.4")
Max. Turning Length	mm(in)	1,180 (46.5")	1,180 (46.5")
Chuck Size	inch	12" [15"]	12" [15"]
Bar Capacity	mm(in)	Ø90 (Ø3.5")	Ø90 (Ø3.5")
Sp. Speed	r/min	3,000	3,000 [3,000]
Sp. Power (Max.)	kW(HP)	26 (35)	30 [32] (40 [43])
Travel (X/Z)	mm(in)	325/1,205 (12.8"/47.4")	325/1,205 (12.8"/47.4")
No. of Tools	EA	12	12 (BMT75)

[] : Option

L400C SERIES - CNC Turning Center with Box Guideways for Heavy Duty Cutting

MODEL		L400C	L400MC
Max. Turning Dia.	mm(in)	Ø630 (Ø24.8")	Ø560 (Ø22")
Max. Turning Length	mm(in)	1,170 (46.1")	1,180 (46.5")
Chuck Size	inch	15" [18"/21"]	15" [18"/21"]
Bar Capacity	mm(in)	Ø117 [Ø165.5] (Ø4.6" [Ø6.5"])	Ø117 [Ø165.5] (Ø4.6" [Ø6.5"])
Sp. Speed	r/min	2,000 [2,000] [1,500]	2,000 [2,000] [1,500]
Sp. Power (Max.)	kW(HP)	26 [26.4] [37] (35 [35.4] [50])	37 [37.2] [37] (50 [50] [50])
Travel (X/Z)	mm(in)	325/1,205 (12.8"/47.4")	320/1,200 (12.6"/47.2")
No. of Tools	EA	10	12 (BMT75)

MODEL		L400LC	L400LMC
Max. Turning Dia.	mm(in)	Ø630 (24.8")	Ø560 (Ø22")
Max. Turning Length	mm(in)	2,120 (83.5")	2,100 (82.7")
Chuck Size	inch	15" [18"/21"]	15" [18"/21"]
Bar Capacity	mm(in)	Ø117 [Ø165.5] (Ø4.6" [Ø6.5"])	Ø117 [Ø165.5] (Ø4.6" [Ø6.5"])
Sp. Speed	r/min	2,000 [1,500]	2,000 [2,000] [1,500]
Sp. Power (Max.)	kW(HP)	37 [37] (50 [50])	37 [37.2] [37] (50 [50] [50])
Travel (X/Z)	mm(in)	320/2,200 (12.6"/86.6")	320/2,200 (12.6"/86.6")
No. of Tools	EA	10	12 (BMT75)

[] : Option ● : iTROL ● : Big Bore



EXPERIENCE THE NEW TECHNOLOGY

HEAVY DUTY CUTTING TURNING CENTER

L500 Series

- High rigidity achieved through box guideways
- One-piece structure for high accuracy and sturdiness
- Enhanced productivity by incorporating absolute motor encoder
- Main spindle heat displacement minimized
- 30° slanted bed structure
- Stable long shaft process with the rear chuck option

L5100LY

- Multi-tasking operation with wedge type Y-axis BMT turret
- High rigidity achieved through box guideways
- Main spindle driven by 2 step gear box
- MT#6 Large Live-center Tailstock
- High-performance large BMT75 turret applied
- 15" HYUNDAI WIA FANUC i Series – Smart Plus controller



L500 SERIES - Heavy Duty Cutting, Large Work Capacity, CNC Turning Center

MODEL		L500LA	L500LMA
Max. Turning Dia.	mm(in)	Ø720 (Ø28.3")	Ø690 (Ø27.2")
Max. Turning Length	mm(in)	2,109 (83")	2,100 (82.7")
Chuck Size	inch	21" [24"]	21" [24"]
Bar Capacity	mm(in)	Ø165 (Ø6.5")	Ø165 (Ø6.5")
Sp. Speed	r/min	21" : 1,500 [24" : 1,000]	21" : 1,500 [24" : 1,000]
Sp. Power (Max.)	kW(HP)	45 (60)	45 (60)
Travel (X/Z)	mm(in)	400/2,210 (15.7"/87")	400/2,210 (15.7"/87")
No. of Tools	EA	10	12 (BMT75)

[] : Option ● : Big Bore

L5100LY - Heavy Duty Cutting, Large Work Capacity, Y-axis CNC Turning Center

MODEL		L5100LY
Max. Turning Dia.	mm(in)	Ø610 (Ø24")
Max. Turning Length	mm(in)	2,070 (81.5")
Chuck Size	inch	21"
Bar Capacity	mm(in)	Ø165 (Ø6.5")
Sp. Speed	r/min	1,500
Sp. Power (Max.)	kW(HP)	45 (60)
Travel (X/Y/Z)	mm(in)	360/150 (±75)/2,120 (14.2"/5.9"(±3")/83.5")
No. of Tools	EA	12 (BMT75)

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

LARGE WORK - TURNING CENTER

L600/700/800 Series

- Sturdiness secured through box guideways on all axes
- One-piece structure for high accuracy and rigidity
- Pretensioned double anchored method provides high precision
- Gear box type main spindle (L600/700 Series : 3 step/ L800 Series : 2 step)
- L800D Series – big bore spindle : $\varnothing 375$ ($\varnothing 14.8$ ")
- Structure designed for machining long shafts and pipes with max. turning length of 3,250mm (128") (Long Bed Type)

KL7000LY/8000LY

- Rigidity secured through box guideways on all axes
- 3 step gear box type main spindle (KL8000LY : 2 step)
- Main spindle thermal displacement minimized
- Multi-tasking operation with wedge type Y-axis BMT85 turret
- Flat bed with rigidity increased by 25% compared to slant type bed
- Structure designed for machining long shafts and pipes with maximum turning length of 3,250mm (128")



L600/700/800 SERIES - Heavy Duty Cutting, Large Work Capacity, CNC Turning Center

MODEL		L600A/600MA	L600LA/600LMA
Max. Turning Dia.	mm(in)	Ø920 (Ø36.2")	Ø920 (Ø36.2")
Max. Turning Length	mm(in)	1,650 (65")	3,250 (128")
Chuck Size	inch	Opt. [18"/21"]	Opt. [18"/21"]
Bar Capacity	mm(in)	18" : Ø117 (Ø4.6"), 21" : Ø139 (Ø5.4")	18" : Ø117 (Ø4.6"), 21" : Ø139 (Ø5.4")
Sp. Speed	r/min	1,800	1,800
Sp. Power (Max.)	kW(HP)	45 (60)	45 (60)
Travel (X/Z)	mm(in)	500/1,680 (19.7"/66.1")	500/3,280 (19.7"/129.1")
No. of Tools	EA	12 / 12 (BMT85)	12 / 12 (BMT85)

MODEL		L700A/700MA	L700LA/700LMA
Max. Turning Dia.	mm(in)	Ø920 (Ø36.2")	Ø920
Max. Turning Length	mm(in)	1,650 (65")	3,250 (128")
Chuck Size	inch	Opt. [24"]	Opt. [24"]
Bar Capacity	mm(in)	Ø165 (Ø6.5")	Ø165 (Ø6.5")
Sp. Speed	r/min	1,500	1,500
Sp. Power (Max.)	kW(HP)	45 (60)	45 (60)
Travel (X/Z)	mm(in)	500/1,680 (19.7"/66.1")	500/3,280 (19.7"/129.1")
No. of Tools	EA	12 / 12 (BMT85)	12 / 12 (BMT85)

MODEL		L800A/MA L800D/MD	L800LA/LMA L800LD/LMD
Max. Turning Dia.	mm(in)	Ø920 (Ø36.2")	Ø920
Max. Turning Length	mm(in)	1,650 (65")	3,250 (128")
Chuck Size	inch	Opt. [32"] Opt. [34" Air Chuck] [32" Independent Chuck]	Opt. [32"] Opt. [34" Air Chuck] [32" Independent Chuck]
Bar Capacity	mm(in)	Hydraulic : Ø239 (Ø9.4") Air/Independent : Ø319 (Ø12.6") 374 (Ø14.8")	Hydraulic : Ø239 (Ø9.4") Air/Independent : Ø319 (Ø12.6") 374 (Ø14.8")
Sp. Speed	r/min	700 500	700 500
Sp. Power (Max.)	kW(HP)	45 (60)	45 (60)
Travel (X/Z)	mm(in)	500/1,680 (19.7"/66.1")	500/3,280 (19.7"/129.1")
No. of Tools	EA	12 / 12 (BMT85)	12 / 12 (BMT85)

KL7000LY/8000LY - Heavy Duty Cutting, Large Work Capacity, CNC Turning Center

MODEL		KL7000LY	KL8000LY
Max. Turning Dia.	mm(in)	Ø920 (Ø36.2")	Ø920 (Ø36.2")
Max. Turning Length	mm(in)	3,250 (278")	3,250 (278")
Chuck Size	inch	Opt. [24"]	Opt. [32"]
Bar Capacity	mm(in)	Ø165 (Ø6.5")	Hydraulic Ø239 (Ø9.4"), Air/Independent : Ø319 (Ø12.6")
Sp. Speed	r/min	1,500	700
Sp. Power (Max.)	kW(HP)	45 (60)	45 (60)
Travel (X/Z)	mm(in)	500/220 {±110}/3,280 (19.7"/7.9" {±4.3"}/129")	500/220 {±110}/3,280 (19.7"/7.9" {±4.3"}/129")
No. of Tools	EA	12 (BMT85)	12 (BMT85)



EXPERIENCE THE NEW TECHNOLOGY

VERTICAL TURNING CENTER

LV Series

- Stable spindle structure with excellent heavy duty cutting ability
- 2 step chuck pressure mechanism to minimize workpiece deformation
- Various peripheral equipment can be used for optimized machining
- Designed for optimal chip disposal
- "Right" and "Left" structure for practical automation solutions

LV1400 | LV2000MF/MM

- Strengthened heavy duty cutting ability with 2 step gear driven spindle (Table)
- Main spindle with cross roller bearings and box guideway for high rigidity
- Rigid table structure for processing heavy loads
- 3 step hydraulic cylinder type crossrail (LV2000MM)
- Various Machining : Turning, tapping, milling, grinding etc. (LV2000MF/2000MM)
- Linear scale on all axes as standard (LV2000MF/2000MM)



LV SERIES - High Productivity, Heavy Duty Cutting Vertical Turning Center

MODEL		LV450 Series	LV500 Series
Max. Swing	mm(in)	Ø620 (Ø24.4")	Ø760
Max. Turning Dia.	mm(in)	Ø465 (Ø18.3")	Ø550
Max. Turning Length	inch	465 (18.3")	600
Chuck Size	mm(in)	12"	15" [18"]
Sp. Speed	r/min	3,000	2,000
Sp. Power (Max.)	kW(HP)	22 (30)	22 [30] (30 [40])
Travel (X/Z)	mm(in)	310/495 (12.2"/19.5")	325/625 (12.8"/24.6")
No. of Tools	EA	12 / "M" type : 12 (BMT65)	8 [12] / "M" type : 12 (BMT75)

MODEL		LV8500 Series	LV1100 Series
Max. Swing	mm(in)	Ø890 (Ø35")	Ø1,355 (Ø53.3")
Max. Turning Dia.	mm(in)	Ø850 (Ø33.5")	Ø1,160 (Ø45.7")
Max. Turning Length	inch	800 (31.5")	1,000 (39.4")
Chuck Size	mm(in)	18" [21"] [24"]	32" [40"]
Sp. Speed	r/min	2,000 [1,940] [1,760]	800 [630]
Sp. Power (Max.)	kW(HP)	37 (50) [45 (60)]	65 (80)
Travel (X/Z)	mm(in)	465/800	620/1,000 (24.4"/39.4")
No. of Tools	EA	12 / "M" type : 12 (BMT75)	12 / "M" type : 12 (BMT85)

[] : Option • iTROL

LV1400 | LV2000MF/MM - Heavy Duty Cutting, Large Work Capacity, Ram Type Vertical Turning Center

MODEL		LV1400	LV2000MF LV2000MM
Max. Turning Dia.	mm(in)	Ø1,400 (55.1")	Ø2,000 (78.7")
Max. Turning height	mm(in)	850 (33.5")	950 (37.4") 1,700 (66.9")
Table Size	mm(in)	Ø1,000 (39.4")	Ø1,600 (63")
Max. Load Capacity	kg(lb)	4,400 (9,700)	10,000 (22,046)
Sp. Speed	r/min	492	258 [258]
Sp. Power (Max.)	kW(HP)	37 (50)	37 [45] (50 [60])
Ram Size	mm(in)	200×200 (7.9"×7.9")	Turning : 240×240 (9.4"×9.4") / Milling : BT50
Travel (X/Z)	mm(in)	-50~+825 (-2"~+32.5")/800 (31.5")	-250~+1,180 (-9.8~+46.5")/915 (36")

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

Y-AXIS TURNING CENTER

SE-Y Series

- 30° slanted one-piece bed structure with high rigidity
- Stable unit structure to minimize thermal displacement
- Integrated processing through synchronized control of main/sub spindle
- Multi-tasking operation with wedge type Y-axis BMT45 turret
- Excellent rapid traverse rate (X/Y/Z) : 30/10/36 m/min (1,181/394/1,417 ipm)
- Ergonomic design for convenient access to chuck and tool

HD-Y Series

- Box guideways for heavy duty cutting
- 30° slanted one-piece bed structure for high rigidity
- Stable unit structure to minimize thermal displacement
- Integrated processing through synchronized control of main/sub spindle ('S' Type)
- Multi-tasking operation with wedge type Y-axis BMT55 turret
- Excellent rapid traverse rate: 30m/min [1,181ipm] (Z-axis)
- Ergonomic design for convenient access to chuck and tool



SE-Y SERIES - Excellent Machining Performance, Y-axis CNC Turning Center

MODEL		SE2200YA	SE2200LYA	SE2200LSYA
Max. Turning Dia.	mm(in)	Ø300 (Ø11.8")	Ø300 (Ø11.8")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	309 (12.2")	529 (20.8")	529 (20.8")
Chuck Size	inch	6"	6"	M : 6" / S : 5"
Bar Capacity	mm(in)	Ø51 (Ø2")	Ø51 (Ø2")	M : Ø51 (Ø2") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	6,000	6,000	M : 6,000 / S : 6,000
Sp. Power (Max.)	kW(HP)	15 [13.5] (20 [18])	15 [13.5] (20 [18])	M : 15 [13.5] (20 [18]) / S : 7.5 [7.4] (10 [9.9])
Travel (X/Y/Z)	mm(in)	210/110{±55}/340 (8.3"/4.3"{±2.2"}/13.4")	210/110{±55}/560 (8.3"/4.3"{±2.2"}/22")	210/110{±55}/560 (8.3"/4.3"{±2.2"}/22")
No. of Tools	EA	12 [24] (BMT45)	12 [24] (BMT45)	12 [24] (BMT45)

MODEL		SE2200Y	SE2200LY	SE2200LSY
Max. Turning Dia.	mm(in)	Ø300 (Ø11.8")	Ø300 (Ø11.8")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	288 (11.3")	508 (20")	508 (20")
Chuck Size	inch	8"	8"	M : 8" / S : 5"
Bar Capacity	mm(in)	Ø65 (Ø2.6")	Ø65 (Ø2.6")	M : Ø65 (Ø2.6") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	4,500	4,500	M : 4,500 / S : 6,000
Sp. Power (Max.)	kW(HP)	15 [13.5] (20 [18])	15 [13.5] (20 [18])	M : 15 [13.5] (20 [18]) / S : 7.5 [7.4] (10 [9.9])
Travel (X/Y/Z)	mm(in)	210/110{±55}/340 (8.3"/4.3"{±2.2"}/13.4")	210/110{±55}/560 (8.3"/4.3"{±2.2"}/22")	210/110{±55}/560 (8.3"/4.3"{±2.2"}/22")
No. of Tools	EA	12 [24] (BMT45)	12 [24] (BMT45)	12 [24] (BMT45)

[] : Option • iTROL

HD-Y SERIES - Heavy Duty Cutting, Multi-Tasking Y-Axis CNC Turning Center

MODEL		HD2200Y HD2200SY	HD2600Y HD2600SY
Max. Turning Dia.	mm(in)	Ø300 (Ø11.8")	Ø300 (Ø11.8")
Max. Turning Length	mm(in)	610 (24")	610 (24")
Chuck Size	inch	8" M : 8" / S : 5"	10" M : 10" / S : 5"
Bar Capacity	mm(in)	Ø65 (Ø2.6") M : Ø65 (Ø2.6") / S : Ø32 (Ø1.3")	Ø81 (Ø3.2") M : Ø81 (Ø3.2") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	4,000 M : 4,000 / S : 6,000	3,500 M : 3,500 / S : 6,000
Sp. Power (Max.)	kW(HP)	18.5 [22.5] (25 [30]) M : 18.5 [22.5] (25 [30]) / S : 5.5 [7.4] (7.4 [9.9])	18.5 [22.5] (25 [30]) M : 18.5 [22.5] (25 [30]) / S : 5.5 [7.4] (7.4 [9.9])
Travel (X/Y/Z)	mm(in)	215/110{±55}/680 (8.5"/4.3"{±2.17"}/26.8")	215/110{±55}/680 (8.5"/4.3"{±2.17"}/26.8")
No. of Tools	EA	12 [24] (BMT55)	12 [24] (BMT55)

MODEL		HD3100YA HD3100SYA	HD3100Y HD3100SY
Max. Turning Dia.	mm(in)	Ø420 (Ø16.5")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	760 (Ø29.9")	760 (Ø29.9")
Chuck Size	inch	10" M : 10" / S : 6"	12" M : 12" / S : 6"
Bar Capacity	mm(in)	Ø81 (Ø3.2") M : Ø81 (Ø3.2") / S : Ø51 (Ø2")	Ø102 (Ø4") M : Ø102 (Ø4") / S : Ø51 (Ø2")
Sp. Speed	r/min	3,500 M : 3,500 / S : 4,500	2,800 M : 2,800 / S : 4,500
Sp. Power (Max.)	kW(HP)	26 (35) M : 26 (35) / S : 7.5 (10)	26 (35) M : 26 (35) / S : 7.5 (10)
Travel (X/Y/Z)	mm(in)	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")
No. of Tools	EA	12 (BMT65)	12 (BMT65)

[] : Option • iTROL



EXPERIENCE THE NEW TECHNOLOGY

Y-AXIS TURNING CENTER



L-Y Series

- Cycle time reducing turning center for maximum productivity
- Multi-tasking operation with wedge type Y-axis BMT65 turret
- Integrated processing through synchronized control of main/sub spindle ('S' Type)
- High performance heavy duty cutting enabled with box guideways
- Main/sub built-in spindle for high precision processing

L2000Y SERIES - Heavy Duty Cutting, Multi-Tasking Y-Axis CNC Turning Center

MODEL		L2000Y	L2000SY
Max. Turning Dia.	mm(in)	Ø420 (Ø16.5")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	520 (20.5")	520 (20.5")
Chuck Size	inch	8"	M : 8" / S : 6"
Bar Capacity	mm(in)	Ø65 (Ø2.6")	M : Ø65 (Ø2.6") / S : Ø51 (Ø2")
Sp. Speed	r/min	5,000 [4,500]	M : 5,000 [4,500] / S : 6,000 [4,500]
Sp. Power (Max.)	kW(HP)	22 [18.5] (30 [25])	M : 22 [18.5] (30 [25]) / S : 15 [11] (20 [15])
Travel (X/Y/Z)	mm(in)	265/120{±60}/590 (10.4"/4.7"{±2.4"}/23.2")	265/120{±60}/590 (10.4"/4.7"{±2.4"}/23.2")
No. of Tools	EA	12 (BMT65)	12 (BMT65)

MODEL		L2000LY	L2000LSY
Max. Turning Dia.	mm(in)	Ø420 (Ø16.5")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	760 (29.9")	760 (29.9")
Chuck Size	inch	8"	M : 8" / S : 6"
Bar Capacity	mm(in)	Ø65 (Ø2.6")	M : Ø65 (Ø2.6") / S : Ø51 (Ø2")
Sp. Speed	r/min	5,000 [4,500]	M : 5,000 [4,500] / S : 6,000 [4,500]
Sp. Power (Max.)	kW(HP)	22 [18.5] (30 [25])	M : 22 [18.5] / S : 15 [11] (20 [15])
Travel (X/Y/Z)	mm(in)	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")
No. of Tools	EA	12 (BMT65)	12 (BMT65)

[] : Option

L2600Y/3100Y SERIES - Heavy Duty Cutting, Multi-Tasking Y-Axis CNC Turning Center

MODEL		L2600Y	L2600LY	L2600SY
Max. Turning Dia.	mm(in)	Ø420 (Ø16.5")	Ø420 (Ø16.5")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	760 (29.9")	1,280 (50.4")	760 (29.9")
Chuck Size	inch	10"	10"	M : 10" / S : 6"
Bar Capacity	mm(in)	Ø81 (Ø3.2")	Ø81 (Ø3.2")	Main : Ø81 (Ø3.2") / S : Ø51 (Ø2")
Sp. Speed	r/min	4,000 [3,500]	4,000 [3,500]	M : 4,000 [3,500] / S : 6,000 [4,500]
Sp. Power (Max.)	kW(HP)	22 [26]	22 [26]	M : 22 [26] / S : 15 [11]
Travel (X/Y/Z)	mm(in)	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")	265/120{±60}/1,350 (10.4"/4.7"{±2.4"}/53.1")	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")
No. of Tools	EA	12 (BMT65)	12 (BMT65)	12 (BMT65)

MODEL		L3000Y	L3000LY	L3000SY
Max. Turning Dia.	mm(in)	Ø420 (Ø16.5")	Ø420 (Ø16.5")	Ø420 (Ø16.5")
Max. Turning Length	mm(in)	760 (29.9")	1,280 (50.4")	760 (29.9")
Chuck Size	inch	12"	12"	M : 12" / S : 6"
Bar Capacity	mm(in)	Ø102 (Ø4")	Ø102 (Ø4")	M : Ø102 (Ø4") / S : Ø51 (Ø2")
Sp. Speed	r/min	3,000 [2,800]	3,000 [2,800]	M : 3,000 [2,800] / S : 6,000 [4,500]
Sp. Power (Max.)	kW(HP)	37 [26] (50 [35])	37 [26] (50 [35])	M : 37 [26] (50 [35]) / S : 15 [11] (20 [15])
Travel (X/Y/Z)	mm(in)	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")	265/120{±60}/1,350 (10.4"/4.7"{±2.4"}/53.1")	265/120{±60}/830 (10.4"/4.7"{±2.4"}/32.7")
No. of Tools	EA	12 (BMT65)	12 (BMT65)	12 (BMT65)

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

MULTITASKING - TURNING CENTER

LM-TT Series

- Powerful built-in spindle motor
- Use of twin turrets guarantees high productivity
- High rigidity BMT turret
- Multiple processing is possible with the addition of Y-axis on the upper turret (TTSY Series)
- Integrated processing through synchronized control of twin spindles
- Box guideways on all axes provide high rigidity (LM2500TTSY II)
- Hybrid travel system with box and roller guideways (LM1600/1800TT Series)

KM2600MTTS

- Adoption of a milling head with a built-in B-axis (0.0001° control) enables the operator to perform turning and milling works in perfect harmony
- Highly rigid Y-axis structure makes it possible to process diverse shapes
- Application of CAPTO C6 tool for high speed, complex machining
- Built-in main&sub-spindles with high output and high torque



LM-TT SERIES - Twin Spindle & Twin Turret, Multitasking CNC Turning Center

MODEL		LM1600TT Series	LM1800TT Series
Max. Turning Dia.	mm(in)	Upper/Lower : Ø230 (Ø9.1")	Upper/Lower : Ø230 (Ø9.1")
Max. Turning Length	mm(in)	705 (27.8")	673 (26.5")
Chuck Size	inch	M : 6" / S : 6"	Main : 8" / Sub : 8"
Bar Capacity	mm(in)	M : Ø51 (Ø2") / S : Ø51 (Ø2")	Main : Ø65 (Ø2.6") / Sub : Ø65 (Ø2.6")
Sp. Speed	r/min	M : 6,000 / S : 6,000	Main : 5,000 / Sub : 5,000
Sp. Power (Max.)	kW(HP)	M : 15 (20) / S : 15 (20)	Main : 22 [22] (30 [30]) / Sub : 22 [22] (30 [30])
Travel	mm(in)	X1/X2/Z1/Z2/Y/ZB : 165/195/700/720/100{±50}/700 (6.5"/7.7"/27.6"/28.3"/3.9"/27.6")	X1/X2/Z1/Z2/Y/ZB : 165/195/700/720/100{±50}/668 (6.5"/7.7"/27.6"/28.3"/3.9"/26.3")
No. of Tools	EA	2×12 [2×24] (BMT55)	2×12 [2×24] (BMT55)

MODEL		LM2500TTSY II
Max. Turning Dia.	mm(in)	Upper : Ø390 (Ø15.4") / Lower : Ø300 (Ø11.8")
Max. Turning Length	mm(in)	900 (35.4")
Chuck Size	inch	M : 10" / S : 10"
Bar Capacity	mm(in)	M : Ø81 (Ø3.2") / S : Ø81 (Ø3.2")
Sp. Speed	r/min	M : 4,000 / S : 4,000
Sp. Power (Max.)	kW(HP)	M : 30 / S : 30
Travel	mm(in)	X1/X2/Z1/Z2/Y/ZB : 270/195/920/920/120{±60}/920 (10.6"/7.7"/36.2"/36.2"/4.7"/36.2")
No. of Tools	EA	2×12 [2×24] (BMT65)

[] : Option • : SIEMENS

KM2600MTTS - Process-intensive 9-axis Multi-tasking Machine

MODEL		KM2600MTTS
Max. Turning Dia.	mm(in)	Mill : B axis 140° : Ø750 (Ø29.5"), B axis 90° : Ø630 (Ø24.8") / Turret : Ø390 (Ø15.4")
Max. Turning Length	mm(in)	1,550 (61")
Chuck Size	inch	M : 10" / S : 10"
Bar Capacity	mm(in)	M : Ø80 / S : Ø80
Sp. Speed	r/min	M : 4,000 / S : 4,000
Sp. Power (Max.)	kW(HP)	M : 30 (40) / S : 26 (35)
Mill Head Speed	r/min	12,000
Mill Head Power (Max.)	kW(HP)	26 (35)
Travel	mm(in)	X1/Z1/Y/X2/Z2/ZB : 705/1,595/250/250/1,500/1,586 (27.8"/62.8"/9.8"/9.8"/59"/62.4")
Travel (B)	deg	240° (-30° ~ +210°)
No. of Tools (ATC)	EA	36 [72] (CAPTO C6)
No. of Tools (Turret)	EA	12 (BMT65)

[] : Option

EXPERIENCE THE NEW TECHNOLOGY



FRONT LOADING - TURNING CENTER

Twin Spindle, Front Loading CNC Turning Center

LF-II Series features high mobility through its compact size, making it suitable for tight spaces, and automated operations for maximizing productivity.

LF-II Series

- Increased rigidity by improving Z-axis structure
- Selection between roller LM guide and box guideway
- Stable unit composition with minimized thermal deformation
- Various types of gantry loader ensure effective & flexible automation
- Cleaner working environment by improved chip disposal ability
- Enhanced convenience through Fanuc's latest controller

LF-II SERIES - Front Loading Turning Center with Top Global Standard

MODEL		LF2200 II / Quick II	LF2200M II / Quick II	LF2600 II / Quick II	LF2600M II / Quick II
Max. Turning Dia.	mm(in)	Ø260 (Ø10.2")	Ø260 (Ø10.2")	Ø360 (Ø14.2")	Ø360 (Ø14.2")
Max. Turning Length	mm(in)	170 (6.7")	170 (6.7")	200 (7.9")	200 (7.9")
Chuck Size	inch	Opt. [6" / 8"]	Opt. [6" / 8"]	Opt. [8" / 10"]	Opt. [8" / 10"]
Bar Capacity	mm(in)	Ø45 (Ø1.8")	Ø45 (Ø1.8")	Ø65 (Ø2.6")	Ø65 (Ø2.6")
Sp. Speed	r/min	[6" : 6,000 / 8" : 4,500]	[6" : 6,000 / 8" : 4,500]	[8" : 4,000 / 10" : 3,500]	[8" : 4,000 / 10" : 3,500]
Sp. Power (Max.)	kW(HP)	15 (20)	15 (20)	[15 (20)] [High-torque : 18.5 (25)]	[15 (20)] [High-torque : 18.5 (25)]
Travel (X/Z)	mm(in)	140/170	140/170	190/200 (7.5"/7.9")	190/200 (7.5"/7.9")
No. of Tools	EA	8 [10]	BMT45 : 10	10 [12]	BMT55 : 10 [12]

[] : Option

EXPERIENCE THE NEW TECHNOLOGY



ALUMINUM WHEEL - TURNING CENTER

HYUNDAI WIA Machine Tools, which has become one of the core members of Hyundai Motor Group, offers a world-class aluminum wheel machining product lineup.

Aluminum wheels produced on Hyundai WIA machines ensure a safe and comfortable driving experience, and its high-performing, quality products make a great contribution to the performance of any car.

L-AW SERIES - Powerful Cutting Capability, AL Wheel Cutting - CNC Turning Center

MODEL		KL6500AW KL6500AW MF	LV800AW-TT	LV800RAW/LAW
Max. Swing	mm(in)	Ø850 (Ø33.5")	Ø760 (Ø29.9")	Ø890 (Ø35")
Max. Turning Dia.	mm(in)	Ø660 (Ø26")	Ø650 (Ø25.6")	Ø800 (Ø31.5")
Max. Turning Height	mm(in)	710 (28")	650 (25.6")	800 (31.5")
Wheel Size	inch	Recommended : 19"	Recommended : 19"	Recommended : 22.5"
Sp. Speed	r/min	2,000 3,000	3,000	2,000
Sp. Power (Max.)	kw(HP)	37 (40) 37 (40)	55 (74)	45 (60)
Travel (X/Z)	mm(in)	400/720 (15.7"/28.3")	420/650 (16.5"/25.6")	440/800 (17.3"/31.5")
No. of Tools	EA	12	8+8	12

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

TAPPING CENTER

i-CUT400TD/400DC

- Direct connection high-speed main spindle available
- Rigid tapping of 6,000rpm ensures optimum tapping capability
- Servo motor on the ATC to reduce tool change time
- Z-axis roller LM guide improves travel safety
- Best-in-class all axes 56m/min (2,205 ipm) rapid traverse rate
- Latest HYUNDAI-iTROL & FANUC controls for improved user convenience

i-CUT4000/4500

- Optimal Structure for Jig
- Best-in-class all axes 56m/min (2,205 ipm) rapid traverse rate
- High-performance Double-seal Type LM Guide
- Direct connection high-speed main spindle available
- Application of air purge of the spindle
- Latest HYUNDAI-iTROL & FANUC controls for improved user convenience



i-CUT400/450 SERIES - Dual Table & 5-Axis NCRT Tapping Center

MODEL		i-CUT400TD	i-CUT400DC (Dry machining of molded article)
Table Size	mm(in)	2-650×400 (2-25.6"×15.7")	Axis-A : Ø320 (Ø12.6") / Axis-C : Ø170 (Ø6.7")
Max. Load Capacity	kg(lb)	2-250 (2-551.2)	80 (176.4)
Sp. Taper	-	BBT30	BBT30
Sp. Speed	r/min	12,000 [15,000] [12,000]	12,000 [15,000]
Sp. Power (Max.)	kw(HP)	14.1 [14.1] [13] (18.9 [18.9] [17.4])	14.1 [14.1] (18.9 [18.9])
No. of Tools	EA	14 [21] [Twin Arm : 20, 24]	14
Travel (X/Y/Z)	mm(in)	520/400/330 (20.5"/15.7"/13") [Twin Arm : Z-axis 460 (18.1")]	250/250/330 (9.8"/9.8"/13")
Rapid Traverse Rate	m/min	56/56/56 [Twin Arm : 48/48/56] [48/48/48]	56/56/56

[] : Option ● : iTROL ● : FANUC

i-CUT4000/4500 - High Speed, Productivity & Compact Design Tapping Center

MODEL		i-CUT4000	i-CUT4500
Table Size	mm(in)	650×400 (25.6"×15.7")	800×450 (31.5"×17.7")
Max. Load Capacity	kg(lb)	300 (661.4)	300 (661.4)
Sp. Taper	-	BBT30	BBT30
Sp. Speed	r/min	12,000 [15,000] [24,000] [12,000] [15,000] [24,000]	12,000 [15,000] [24,000] [12,000] [15,000] [24,000]
Sp. Power (Max.)	kw(HP)	13 (17.4) [18 (24)] [3.7 (5)] [14.1 (18.9)] [14.1 (18.9)] [22.6 (30.3)]	13 (17.4) [18 (24)] [3.7 (5)] [14.1 (18.9)] [14.1 (18.9)] [22.6 (30.3)]
No. of Tools	EA	21 [Twin Arm : 20, 24]	21 [Twin Arm : 20, 24]
Travel (X/Y/Z)	mm(in)	550/400/300 (21.7"/15.7"/11.8") [Twin Arm : 550/400/480 (21.7"/15.7"/18.9")]	700/450/300 (27.6"/17.7"/11.8") [Twin Arm : 700/450/480 (27.6"/17.7"/18.9")]
Rapid Traverse Rate	m/min	56/56/56	56/56/56

[] : Option ● : iTROL ● : FANUC



EXPERIENCE THE NEW TECHNOLOGY

VERTICAL MACHINING CENTER

KF II Series

- High-precision machining by improved spindle quality
- High-speed roller LM guides in all axes
- Enhanced chip processing capabilities by applying the upper-type conveyor
- Various motors and columns provided for customized machining
- Improved user convenience with the latest FANUC controller

KF-B II Series

- High power/torque main spindle for superb heavy duty cutting
- Box guideways for exceptional traveling during heavy duty cutting
- Enhanced chip processing capabilities by applying the upper-type conveyor
- Various motors and columns provided for customized machining
- Improved user convenience with the latest FANUC controller



KF II SERIES - The Fastest, the Most Versatile High & Linear Vertical Machining Center

MODEL		KF4600 II	KF5600 II	KF6700 II
Table Size	mm(in)	1,050×460 (41.3"×18.1")	1,250×560 (49.2"×22")	1,500×670 (59"×26.4")
Max. Load Capacity	kg(lb)	600 (1,323)	1,000 (2,205)	1,300 (2,866)
Sp. Taper	-	BBT40 [12K, 15K : HSK-A63]	BBT40 [12K, 15K, 20K : HSK-A63]	BBT40 [12K, 15K, 20K : HSK-A63]
Sp. Speed	r/min	Std. 8,000	Std. 8,000	Std. 8,000
Sp. Power (Max.)	kW(HP)	18.5 (25)	18.5 (25)	18.5 (25)
No. of Tools	EA	30 [40]	30 [40]	30 [40]
Travel (X/Y/Z)	mm(in)	900/460/520 (35.4"/18.1"/20.5")	1,100/560/520 [635] (43.3"/22"/20.5" [25"])	1,300/670/635 (51.2"/26.4"/25")
Rapid Traverse Rate	m/min	36/36/30	36/36/30 [42/42/36]	36/36/30 [42/42/36]

MODEL		KF5600M	KF6700M
Table Size	mm(in)	1,250×560 (49.2"×22")	1,500×670 (59"×26.4")
Max. Load Capacity	kg(lb)	1,000 (2,205)	1,300 (2,866)
Sp. Taper	-	BBT40 [HSK-A63]	BBT40 [HSK-A63]
Sp. Speed	r/min	20,000	20,000
Sp. Power (Max.)	kW(HP)	22 (30)	22 (30)
No. of Tools	EA	30 [40]	30 [40]
Travel (X/Y/Z)	mm(in)	1,100/560/520 (43.3"/22"/20.5")	1,300/670/635 (51.2"/26.4"/25")
Rapid Traverse Rate	m/min	36/36/30	36/36/30

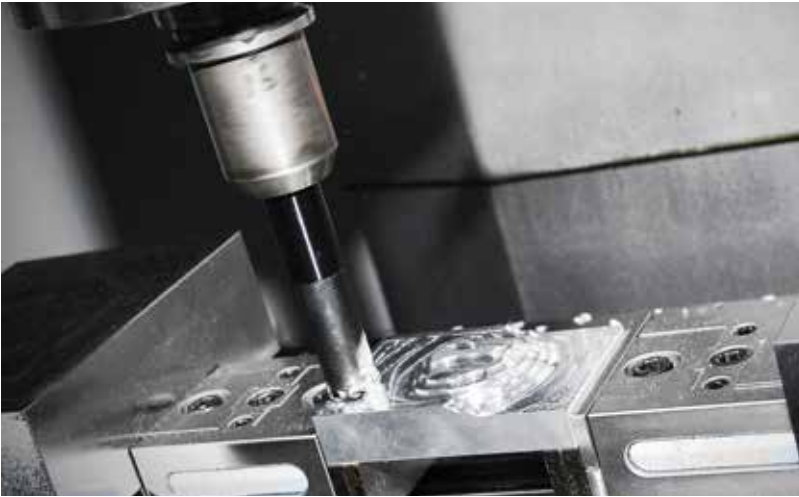
※ Please refer to the KF II series catalogue for more details about spindle options.

[] : Option

KF-B II SERIES - Excellent Heavy Duty Cutting Capability & Productivity Vertical Machining Center

MODEL		KF5700B II KF5700B/50 II	KF6700BII KF6700B/50 II	KF7700BII KF7700B/50 II
Table Size	mm(in)	1,300×570 (51.2"×22.4")	1,500×670 (59"×26.4")	1,650×760 (65"×30")
Max. Load Capacity	kg(lb)	1,000 (2,205)	1,300 (2,866)	1,500 (3,307)
Sp. Taper	-	BT40 BT50	BT40 BT50	BT40 BT50
Sp. Speed	r/min	8,000 [12,000] 8,000 [6,000]	8,000 [12,000] 8,000 [6,000]	8,000 [12,000] 8,000 [6,000]
Sp. Power (Max.)	kW(HP)	15 (20) [18.5 (25)] 15 (20) [18.5 (25)]	15 (20) [18.5 (25)] 15 (20) [18.5 (25)]	15 (20) [18.5 (25)] 15 (20) [18.5 (25)]
No. of Tools	EA	30 [40] 24	30 [40] 24 [32]	30 [40] 24 [40]
Travel (X/Y/Z)	mm(in)	1,100/570/520 (43.3"/22.4"/20.5")	1,300/670/635 (51.1"/26.4"/25")	1,500/760/635 (59"/30"/25")
Rapid Traverse Rate	m/min	30/30/24	30/30/24	30/30/24

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

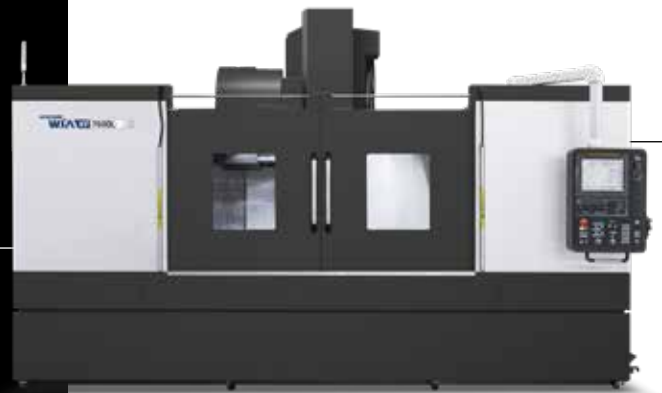
VERTICAL MACHINING CENTER

F-D Series

- High precision main spindle designed with P4 angular contact ball bearings
- High power/torque main spindle for heavy duty cutting
- Dual table for enhanced productivity
- Latest servo ATC for the fastest tool change time in the class
- Combination of roller LM and box guide for optimal feed (F500D)
- Roller LM guide on all axes for high precision heavy cutting (F600D)

KF7600L

- Large table application for machining long parts : X-axis 2,100mm (82.7")
- High speed/High rigidity roller guide in all axes
- Rapid traverse rate (X/Y/Z) : 30/30/24 m/min
- Securing rigidity by applying 3-row ball screw support bearings
- High rigidity with Y-axis 4way design
- Upper-type chip conveyor standard application



F-D SERIES - High Productivity Column Moving Machining Center

MODEL		F410D	F500D
Table Size	mm(in)	2-650×410 (2-25.6"×16.1")	2-700×500 (2-27.6"×19.7")
Max. Load Capacity	kg(lb)	2-250 (2-551)	2-350 (2-772)
Sp. Taper	-	BT40	BT40
Sp. Speed	r/min	10,000 [8,000] [10,000]	8,000 [10,000] [12,000][8,000]
Sp. Power (Max.)	kW(HP)	18.5 [15] [18] (25 [20] [24])	15 [15] [11] [27.8] (20 [20] [15] [24])
No. of Tools	EA	24	24 [30]
Travel (X/Y/Z)	mm(in)	570/410/580 (22.4"/16.1"/22.8")	600/460/570 (23.6"/18.1"/22.4")
Rapid Traverse Rate	m/min	36/36/30	40/40/30

MODEL		F500DM	F600D
Table Size	mm(in)	2-700×500 (2-27.6"×19.7")	2-900×650
Max. Load Capacity	kg(lb)	2-350 (2-772)	2-400
Sp. Taper	-	BT40	BT40
Sp. Speed	r/min	12,000	8,000 [12,000]
Sp. Power (Max.)	kW(HP)	22 (30)	15 [11] (20 [15])
No. of Tools	EA	30	24 [30]
Travel (X/Y/Z)	mm(in)	600/350/570 (23.6"/13.8"/22.4")	800/600/600 (31.5"/23.6"/23.6")
Rapid Traverse Rate	m/min	40/40/36	42/42/42

[] : Option • : iTROL

KF7600L - High Speed, Wide Range Vertical Machining Center

MODEL		KF7600L
Table Size	mm(in)	2,250×760 (88.6"×29.9")
Max. Load Capacity	kg(lb)	1,800 (3,968)
Sp. Taper	-	BBT40
Sp. Speed	r/min	8,000 [12,000]
Sp. Power (Max.)	kW(HP)	18.5 (25) [18.5 (25)]
No. of Tools	EA	30 [40]
Travel (X/Y/Z)	mm(in)	2,100/760/635
Rapid Traverse Rate	m/min	30/30/24

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

VERTICAL MACHINING CENTER

F850

- Designed specifically for processing large aluminum metal plates and sheets
- 850mm(33.5") Y-axis for spacious machining area
- 4 guideways for Y-axis to enhance feed
- High-speed roller LM guide in all axes
- 12,000rpm high speed spindle with direct couplings
- High speed, 24 tool twin arm ATC (C-C : 4.7sec)

F750B/960B

- Main spindle with ultra precision cylindrical roller bearings
- Rigid geared spindle enables powerful, heavy duty cutting
- Box guideways on all axes for superb heavy duty cutting
- 4 guideways employ 10-face contact design (F960B)
- Air semi-rising slideway to decrease feed load

KF760BM/960BM

- Built-in main spindle for processing high quality mold products
- High quality Mold Machining by headbody weight reduction
- Box guideways on all axes for superb heavy duty cutting
- 4 guideways employ 10-face contact design (KF960BM)
- Air semi-rising slideway to decrease feed load
- High-performance machining backed by anti-vibration brackets with detachable magazines



F850 - Advanced Technology, Wide Range Vertical Machining Center

MODEL		F850
Table Size	mm(in)	1,800×850 (70.9"×33.5")
Max. Load Capacity	kg(lb)	1,000 (2,205)
Sp. Taper	-	BT40 [BBT40]
Sp. Speed	r/min	12,000 [12,000]
Sp. Power (Max.)	kw(HP)	25 [11] (33.5 [15])
No. of Tools	EA	24 [30]
Travel (X/Y/Z)	mm(in)	1,600/850/580 (63"/33.5"/22.8")
Rapid Traverse Rate	m/min	36/36/36

[] : Option

F750B/960B - The Machining Center for Large Work Spaces and Heavy Duty Cutting

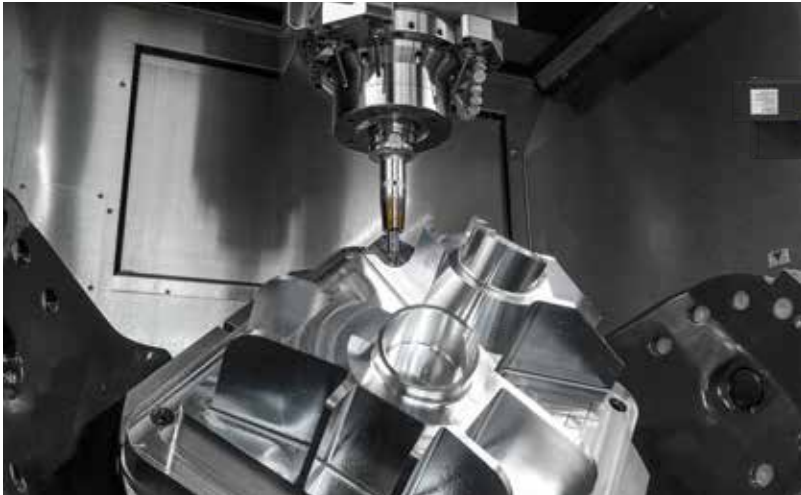
MODEL		F750B	F960B
Table Size	mm(in)	1,800×700 (70.9"×27.6")	2,700×950 (106.3"×37.4")
Max. Load Capacity	kg(lb)	2,000 (4,409)	4,500 (9,921)
Sp. Taper	-	BBT50	BBT50
Sp. Speed	r/min	4,500 [8,000] [12,000] [4,500] [8,000]	8,000 [12,000] [8,000]
Sp. Power (Max.)	kw(HP)	18.5 [18.5] [30] [30] [30] (25 [25] [40] [40] [40])	22 [30] [27.8] (30 [40] [37.3])
No. of Tools	EA	20 [30]	20 [30, 40]
Travel (X/Y/Z)	mm(in)	1,550/750/720 (61"/29.5"/28.3")	2,450/960/850 (96.5"/37.8"/33.5")
Rapid Traverse Rate	m/min	16/16/12	16/16/20

[] : Option • iTROL

KF760BM/960BM - The Machining Center for Large Work Spaces and Heavy Duty Cutting

MODEL		KF760BM	KF960BM
Table Size	mm(in)	1,800×700 (70.9"×27.6")	2,700×950 (106.3"×37.4")
Max. Load Capacity	kg(lb)	2,000 (4,409)	4,500 (9,921)
Sp. Taper	-	BBT50	BBT50
Sp. Speed	r/min	12,000	12,000
Sp. Power (Max.)	kw(HP)	30 (40)	30 (40)
No. of Tools	EA	30 [40]	30 [40]
Travel (X/Y/Z)	mm(in)	1,550/760/720 (61"/29.9"/28.3")	2,450/960/850 (96.5"/37.8"/33.5")
Rapid Traverse Rate	m/min	16/16/12	16/16/16

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

5-AXIS MACHINING CENTER

KF3500/5A

- High-speed roller type LM guide in all axes
- High-speed 12,000rpm spindle (Opt. 15,000/20,000rpm)
- A/C axis high rigidity roller gear cam drive method applied
- Compact design suitable for installation in restricted space (6.5m²)

Hi-MOLD Series

- High-speed LM guide in all axes
- Built-in main spindle for processing high quality mold products
- Built-in 5-axis table to satisfy various processing needs ("5A" Type)
- Hyundai WIA mold package delivers optimal processing of mold parts

XF6300/8500

- Increases strength with all-in-one bed & column structure
- Machines high-precision parts with X-axis box-in-box structure
- Linear and rotary scale as standard features for the high quality of machining
- Built-in DDM table

XF2000/2000i

- One-piece bed & column structure to increase structural stability
- Linear and rotary scale as standard features for the high quality of machining
- Cantilever type DDM table
- Built-in spindle for high-speed and accuracy

KF3500/5A - High Precision & Speed 5-Axis Machining Center

MODEL		KF3500/5A
Table Size	mm(in)	Ø350 (Ø13.8") - Roller Gear Cam
Max. Load Capacity	kg(lb)	250 (551) - Max. Inertia : 2.09 kg·m ²
Sp. Taper	-	BBT40
Sp. Speed	r/min	12,000 [15,000] [20,000]
Sp. Power (Max.)	kW(HP)	18.5 (25) [18.5 (25)] [22 (30)]
No. of Tools	EA	30 [40, 60]
Travel (X/Y/Z)	mm(in)	600/655/500 (23.6"/25.8"/19.7")
Rapid Traverse Rate	m/min	36/36/30

[] : Option

HI-MOLD SERIES - State of the art Technology for Machining Precision Molds

MODEL		Hi-MOLD450	Hi-MOLD560	Hi-MOLD560/5A
Table Size	mm(in)	850×500 (33.5"×19.7")	1,250×600 (49.2"×23.6")	L×H : Ø500×270 (19.7"×10.6")
Max. Load Capacity	kg(lb)	300 (661.4)	800 (1,760)	250 (551)
Sp. Taper	-	HSK-A63 : 24,000 [HSK-E40 : 40,000]	HSK-A63 : 24,000 [HSK-E40 : 40,000]	HSK-A63 : 24,000 [HSK-E40 : 40,000]
Sp. Speed	r/min	24,000 [40,000]	24,000 [40,000]	24,000 [40,000]
Sp. Power (Max.)	kW(HP)	33 [26] [44.2 [35]]	33 [26] [44.2 [35]]	33 [26] [44.2 [35]]
No. of Tools	EA	24	24	24
Travel (X/Y/Z)	mm(in)	600{+350 ATC}/450/450 (23.6"/17.7"/17.7")	1,000{+350 ATC}/560/450 (39.3"/22"/17.7")	1,000{+350 ATC}/560/450 (39.3"/22"/17.7")
Rapid Traverse Rate	m/min	50/50/50	50/50/50	50/50/50

MODEL		Hi-MOLD750/5A	Hi-MOLD6500
Table Size	mm(in)	Ø630×500 (24.8"×19.7")	1,200×650 (47.2"×25.6")
Max. Load Capacity	kg(lb)	500 (1,102)	1,000 (2,205)
Sp. Taper	-	HSK-A63	BBT40
Sp. Speed	r/min	15,000	20,000 [24,000]
Sp. Power (Max.)	kW(HP)	25 (33.5)	22 [22] (30 [30])
No. of Tools	EA	30	30
Travel (X/Y/Z)	mm(in)	650/765{+350 ATC}/510 (25.6"/30.1"/20")	1,100/650/550 (43.3"/25.6"/21.7")
Rapid Traverse Rate	m/min	50/50/50	40/40/40

[] : Option

XF SERIES - High Precision & Speed 5-Axis Machining Center

MODEL		XF6300	XF8500	XF2000 XF2000i
Table Size	mm(in)	Ø630 (Ø24.8")	Ø850 (Ø33.4")	Ø200 (Ø7.9") Ø260 (Ø10.2")
Max. Load Capacity	kg(lb)	Max. 600 (1,323)	1,000 (2,205)	15 (33) 50 (110)
Max. Machining height	mm(in)	500 (19.7")	600 (23.6")	- 100 (3.9")
Sp. Taper	-	HSK-A63 [40K : HSK-E40]	HSK-A63 [30K : HSK-E40]	HSK-E40
Sp. Speed	r/min	15,000 [24,000] [40,000]	15,000 [9,000] [24,000] [30,000]	40,000 24,000
Sp. Power (Max.)	kW(HP)	31 [26] [26]	31 [42] [26] [33.1]	26 (35) 10.5 (14)
No. of Tools	EA	Twin Arm Type : 34 [68, 102]	Pick-up Type : 34 [Twin Arm : 68, 102]	Pick-up Type : 20 Chain Type : 40
Travel (X/Y/Z)	mm(in)	650/765/500 (25.6"/23.6"/19.7")	850/920/600 (33.4"/36.2"/23.6")	300/300/200 (11.8"/11.8"/7.9")
Rapid Traverse Rate	m/min	60/60/60	45/45/45	50/50/50

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

HORIZONTAL MACHINING CENTER

KH50G/63G

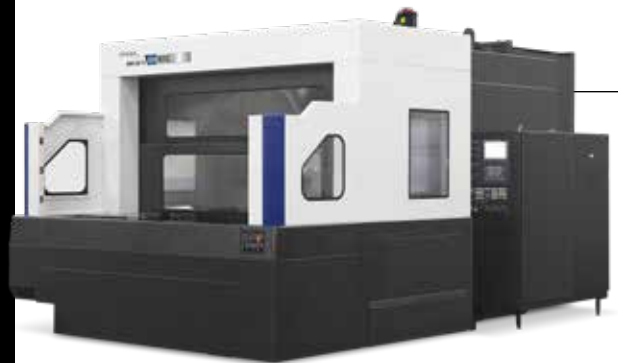
- 2 step gear on main spindle for heavy duty cutting
- Standard Oil Cooling system for high precision
- Shuttle type APC
- Box guides on all axes for ultra-rigidity
- Air semi-rising slideway on Z-axis
- Y-axis box guideways with 8 face contact for heavy machining capability

KH80G

- Best in class max. work size of $\varnothing 1,150\text{mm}$ ($\varnothing 45.3''$) and $1,150\text{mm}$ ($45.3''$) height
- 3 step gear main spindles for powerful cutting
- Through spindle coolant for high accuracy
- Shuttle type APC
- Optimized guideways on all axes

KH1000

- Best in class max. work size of $\varnothing 1,900\text{mm}$ ($\varnothing 74.8''$) and $1,500\text{mm}$ ($59.1''$) height
- 2 step gear main spindles for powerful cutting
- Spindle Oil Cooling device for high accuracy
- Shuttle type APC
- Box guideways on all axes for ultra-rigidity
- 8-face contact Y-axis guideway & air semi-rising slideway



KH50G/63G - Heavy Duty Cutting & Productivity Horizontal Machining Center

MODEL		KH50G	KH63G
Pallet Size	mm(in)	500×500 (19.7"×19.7")	630×630 (24.8"×24.8")
Max. Load Capacity	kg(lb)	800 (1,763.7)	1,000 (2,204.6)
Sp. Taper	-	BT50 [BBT50]	BT50 [BBT50]
Sp. Speed	r/min	4,500 [4,500] [8,000] [8,000] [4,500] [8,000]	4,500 [4,500] [8,000] [8,000] [4,500] [8,000]
Sp. Power (Max.)	kW(HP)	18.5 [22] [18.5] [22] [18] [18] (25 [30] [25] [30] [24] [24])	22 [26] [22] [26] [22.2] [22.2] (30 [26] [30] [26] [30] [30])
No. of Tools	EA	40 [60, 90, 120]	40 [60, 90, 120]
Travel (X/Y/Z)	mm(in)	760/705/650 (29.9"/27.8"/25.6")	950/825/760 (37.4"/32.5"/29.9")
Rapid Traverse Rate	m/min	20/20/20	20/20/20

[] : Option • iTROL

KH80G - Heavy Duty Cutting & Productivity Horizontal Machining Center

MODEL		KH80G
Pallet Size	mm(in)	800×800 (31.5"×31.5")
Max. Load Capacity	kg(lb)	2,200 (4,850)
Sp. Taper	-	BT50 [BBT50] [HSK-A100]
Sp. Speed	r/min	4,500 [6,000]
Sp. Power (Max.)	kW(HP)	26 [26] (35 [35])
No. of Tools	EA	40 [80, 120]
Travel (X/Y/Z)	mm(in)	1,250/1,000/850 (49.2"/39.4"/33.5")
Rapid Traverse Rate	m/min	18/18/18

[] : Option

KH1000 - Heavy Duty Cutting & Productivity Horizontal Machining Center

MODEL		KH1000
Pallet Size	mm(in)	1,000×1,000 (39.4"×39.4")
Max. Load Capacity	kg(lb)	3,000 (6,613.9)
Sp. Taper	-	BBT50
Sp. Speed	r/min	8,000 [4,500] [8,000]
Sp. Power (Max.)	kW(HP)	26 [26] [26] (35 [35] [35])
No. of Tools	EA	60 [90, 120]
Travel (X/Y/Z)	mm(in)	2,100/1,350/1,400 (82.7"/53.1"/55.1")
Rapid Traverse Rate	m/min	20/20/20

[] : Option • iTROL



GOD DESIGN

EXPERIENCE THE NEW TECHNOLOGY

HORIZONTAL MACHINING CENTER

HS4000/5000 Series

- Reversed 'T' bed structure
- Best-in-class rapid traverse rate of 60m/min
- Heavy duty built-in spindle
- High speed rotary APC
- Step type bed structure (HS4000M | 5000M/50)
- Servo motor driven ATC & APC (HS4000M | 5000M/50)

HS4000 II/5000 II

- 3-point Support Bed Structure
- Shaft cooling type ball screw
- 15,000rpm High-performance Built-in Spindle
- 15" Large Monitor Applied
- Ring type magazine as standard

HS6300 II/8000 II

- High Rigidity Box-type Structure
- A symmetrical structure design with the center of gravity of Z-axis and transfer axis matching
- Easy chip disposal with direct chip discharging structure
- Best-in-class rapid traverse rate of 60m/min (2,362ipm)
- Machining of the largest workpiece in its class
- ATC design capable of attaching the largest tools in its class



HS4000/5000 SERIES - The Revolutionary Next Generation High Performance Machining Center

MODEL		HS4000	HS4000i	HS5000i
Pallet Size	mm(in)	2-400×400 (15.7"×15.7")	2-400×400 (15.7"×15.7")	2-500×500 (19.7"×19.7")
Max. Load Capacity	kg(lb)	2-500 (1,102)	2-500 (1,102)	2-500 (1,102) [0.001" : 450 (992)]
Sp. Taper	-	BBT40 [HSK-A63]	BBT40 [HSK-A63]	BBT40 [HSK-A63]
Sp. Speed	r/min	15,000	12,000	12,000 [10,000] [12,000]
Sp. Power (Max.)	kW(HP)	25 (33.5)	25 (33.5)	25 [38] [26] (33.5 [51] [35])
No. of Tools	EA	40 [60, 80, 120]	40 [60, 80, 120]	40 [60, 80, 120]
Travel (X/Y/Z)	mm(in)	620/560/650 (24.4"/22"/25.6")	620/560/650 (24.4"/22"/25.6")	850/700/750 (33.5"/27.6"/29.5")
Rapid Traverse Rate	m/min	60/60/60	50/50/50	50/50/50

MODEL		HS5000/50	HS5000M/50	HS5000M-1P	HS5000M/50-1P
Pallet Size	mm(in)	2-500×500 (19.7"×19.7")	2-500×500 (19.7"×19.7")	500×500 (19.7"×19.7")	500×500 (19.7"×19.7")
Max. Load Capacity	kg(lb)	2-800 (1,764) [0.001" : 450 (992)]	2-800 (1,764) [0.001" : 450 (992)]	800 (1,764) [0.001" : 220 (485)]	800 (1,764) [0.001" : 220 (485)]
Sp. Taper	-	BBT50 [HSK-A100]	BBT50 [HSK-A100]	BBT40 [HSK-A63]	BBT50 [12K : HSK-A100]
Sp. Speed	r/min	12,000	12,000 [6,000]	15,000	12,000 [6,000]
Sp. Power (Max.)	kW(HP)	30 (40)	45 [45] (60 [60])	37 (50)	45 [45] (60 [60])
No. of Tools	EA	40 [60]	40 [60]	40 [60, 80, 120]	40 [60]
Travel (X/Y/Z)	mm(in)	850/700/750 (33.5"/27.6"/29.5")	850/700/750 (33.5"/27.6"/29.5")	850/700/750 (33.5"/27.6"/29.5")	850/700/750 (33.5"/27.6"/29.5")
Rapid Traverse Rate	m/min	50/50/50	60/60/60	60/60/60	60/60/60

[] : Option • iTROL

HS4000 II/5000 II - The Revolutionary Next Generation High Performance Machining Center

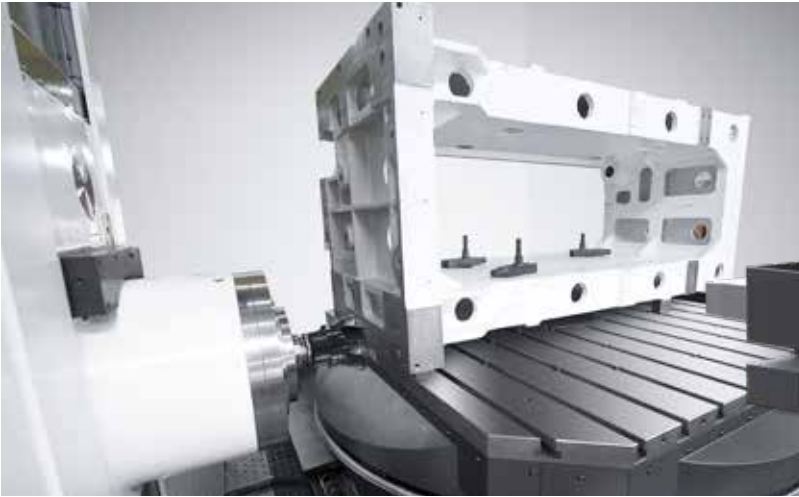
MODEL		HS4000 II	HS5000 II
Pallet Size	mm(in)	in 2 - 400×400 (2-15.7"×15.7")	2-500×500 (2-19.7"×19.7")
Max. Load Capacity	kg(lb)	2 - 400 (2 - 882)	2 - 500 (2 - 1,102)
Sp. Taper	-	BBT40 [HSK-A63]	BBT40 [HSK-A63]
Sp. Speed	r/min	15,000 [15,000 High-Torque] [20,000]	15,000 [15,000 High-Torque] [20,000]
Sp. Power (Max.)	kW(HP)	30 (40) [37 (50)] [37 (50)]	30 (40) [37 (50)] [37 (50)]
No. of Tools	EA	Ring Type : 40 [60] [Chain Type : 90, 120] [Matrix : 240]	Ring Type : 40 [60] [Chain Type : 90, 120] [Matrix : 240]
Travel (X/Y/Z)	mm(in)	560/640/660 (22"/25.2"/26")	730/730/880 (28.7"/28.7"/34.6")
Rapid Traverse Rate	m/min	60/60/60	60/60/60

[] : Option

HS6300 II/8000 II - The Revolutionary Next Generation High Performance Machining Center

MODEL		HS6300 II	HS8000 II
Pallet Size	mm(in)	2 - 630×630 (24.8"×24.8")	2 - 800×800 (31.5"×31.5")
Max. Load Capacity	kg(lb)	2 - 1,500 (3,307)	2 - 2,000 (4,409)
Sp. Taper	-	BBT50 [HSK-A100]	BBT50 [HSK-A100]
Sp. Speed	r/min	10,000 [6,000]	10,000 [6,000]
Sp. Power (Max.)	kW(HP)	45 (60) [55 (74)]	45 (60) [55 (74)]
No. of Tools	EA	40 [60, 90, 120, 150] [Matrix : 240]	40 [60, 90, 120, 150] [Matrix : 240]
Travel (X/Y/Z)	mm(in)	1,050/900/1,000 (41.3"/35.4"/39.4")	1,400/1,200/1,370 (55.1"/47.2"/53.9")
Rapid Traverse Rate	m/min	60/60/60	50/50/50

[] : Option



EXPERIENCE THE NEW TECHNOLOGY

HEAVY DUTY BORING MACHINE

KBП135 Series

- One-piece bed construction for ultra precision (KBП135)
- Movable column structure for high-load, heavy load and heavy duty cutting (KBП 135C)
- Linear scale and rotary scale for ultra precision
- X/Y-axis expansion up to 1,000mm (39.4") and 500mm (19.7") respectively
- 3 step gear driven spindle for heavy duty cutting
- Optimal boring processing with W-axis travel of 700mm (27.6")
- Position Encoder on B-axis for highly precise positioning



KBN135 - The Next Generation Boring Machine To Revolutionize Productivity

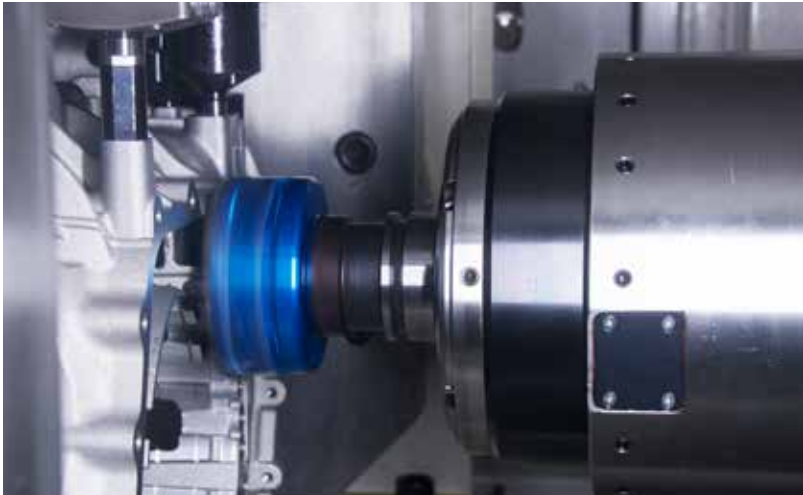
MODEL		KBN135	KBN135 (Option : Expansion)
Pallet Size	mm(in)	2,000×1,800 (78.7"×70.9")	2,000×1,800 (78.7"×70.9")
Max. Load Capacity	kg(lb)	10,000 (22,046.2)	10,000 (22,046.2)
Min. Indexing Angle	deg	0.001° / 90° (LOCATING PIN)	0.001° / 90° (LOCATING PIN)
Sp. Quill Dia.	mm(in)	Ø135 (Ø5.3")	Ø135 (Ø5.3")
Sp. Taper	-	BT50	BT50
Sp. Speed	r/min	2,000 [2,000] [2,000]	2,000 [2,000] [2,000]
Sp. Power (Max.)	kW(HP)	22 [26] [37] (30 [35] [50])	22 [26] [37] (30 [35] [50])
Sp. Driving Method	-	3 Step Gear	3 Step Gear
No. of Tools	EA	40 [60, 90, 120]	40 [60, 90, 120]
Travel (X/Y/Z/W)	mm(in)	3,000/2,000/1,600/700 (118.1"/78.7"/63"/27.6")	4,000/2,500/1,600/700 (157.5"/98.4"/63"/27.6")
Rapid Traverse Rate	m/min	8/8/8/8	8/8/8/8

[] : Option

KBN135C - The Next Generation Boring Machine To Revolutionize Productivity

MODEL		KBN135C	KBN135C (Option : Expansion)
Pallet Size	mm(in)	2,000×1,800 (78.7"×70.9")	2,000×1,800 (78.7"×70.9")
Max. Load Capacity	kg(lb)	15,000 [20,000] (33,069 [44,093]) within 300mm (11.8") of the biased weight	20,000 (44,093) within 300mm (11.8") of the biased weight
Min. Indexing Angle	deg	0.001° / 90° (LOCATING PIN)	0.001° / 90° (LOCATING PIN)
Sp. Quill Dia.	mm(in)	Ø135 (Ø5.3")	Ø135 (Ø5.3")
Sp. Taper	-	BT50	BT50
Sp. Speed	r/min	2,500 [2,500] [2,500] [2,500]	2,500 [2,500] [2,500] [2,500]
Sp. Power (Max.)	kW(HP)	22 [26] [37] [37] (30 [35] [50] [50])	22 [26] [37] [37] (30 [35] [50] [50])
Sp. Driving Method	-	3 Step Gear	3 Step Gear
No. of Tools	EA	40 [60]	40 [60]
Travel (X/Y/Z/W)	mm(in)	3,000/2,000/1,600/700 (118.1"/78.7"/63"/27.6")	4,000/2,500/2,000/700 (157.5"/98.4"/78.7"/27.6")
Rapid Traverse Rate	m/min	10/10/10/8	7/10/10/8

[] : Option • iTROL



EXPERIENCE THE NEW TECHNOLOGY

FACTORY AUTOMATION

FA Business of HYUNDAI WIA

FA Business of HYUNDAI WIA is seeking productivity improvements in the business of plant automation and focus on leading the world power train market with high efficient equipment and advanced automation line, as part of one of the world top class vehicle producer.



WH SERIES - High Precision & Powerful FA Line Center

MODEL		WH40R WH40RS	WH50C	WH50T WH50TB	WH50TS
Pallet Size	mm(in)	Ø400 (Ø15.7")	Ø500 (Ø19.7")	Ø630 (Ø24.8")	Ø400 (Ø15.7")
Max. Load Capacity	kg(lb)	500 (1,102)	900 (1,984)	750	500 (1,102)
Max. Working Size	mm(in)	-	Ø1,000×H900 (Ø39.4"×H35.4")	Ø800×H800 (Ø31.5"×H31.5")	-
Sp. Taper	-	HSK-A63	HSK-A63	HSK-A63 HSK-A100	HSK-A63
Sp. Speed	r/min	8,000 [12,000]	15,000	16,000 10,000	16,000
Sp. Power (Max.)	kW(HP)	21.5 (28.8)	26 (35)	28 (37.5) 26 (35)	28 (37.5)
No. of Tools	EA	20 40	40	40 [30, 50] 20 [30]	40
Travel (X/Y/Z)	mm(in)	500/250/400 500/500/400 (19.7"/9.8"/15.7" 19.7"/19.7"/15.7")	630[700]/560/560 (24.8"[27.6"]/22"/22")	630/630/800 (24.8"/24.8"/31.5")	630/560/630 (24.8"/22"/24.8")
Rapid Traverse Rate	m/min	62/62/62	62/62/62	62/62/62	62/62/62

MODEL		WH60T	WH63T	WH80T	WH100T
Pallet Size	mm(in)	Ø600 (Ø23.6")	630×630 (24.8"×24.8")	800×800 (31.5"×31.5")	Ø800 (31.5")
Max. Load Capacity	kg(lb)	1,000 (2,204)	2,000 (4,409)	3,000 (6,614)	3,000 (6,614)
Max. Working Size	mm(in)	Ø750×H750 (Ø29.5"×H29.5")	Ø1,000×1,100 (Ø39.4"×43.3")	Ø1,000×1,100 (Ø39.4"×43.3")	Ø1,400×H1,230 (Ø55"×H48.4")
Sp. Taper	-	HSK-A100	HSK-A100	HSK-A100	HSK-A100
Sp. Speed	r/min	6,000	5,000	5,000	4,500
Sp. Power (Max.)	kW(HP)	29.3 (39.3)	22 (30)	22 (30)	30 (40)
No. of Tools	EA	30 [12+4]	40	40	40
Travel (X/Y/Z)	mm(in)	800/630/1,000 (31.5"/24.8"/39.4")	1,050/875/875 (41.3"/34.4"/34.4")	1,050/875/875 (41.3"/34.4"/34.4")	1,400/1,100/1,150 (55.1"/43.3"/45.2")
Rapid Traverse Rate	m/min	60/60/60	50/50/50	50/50/50	40/40/40

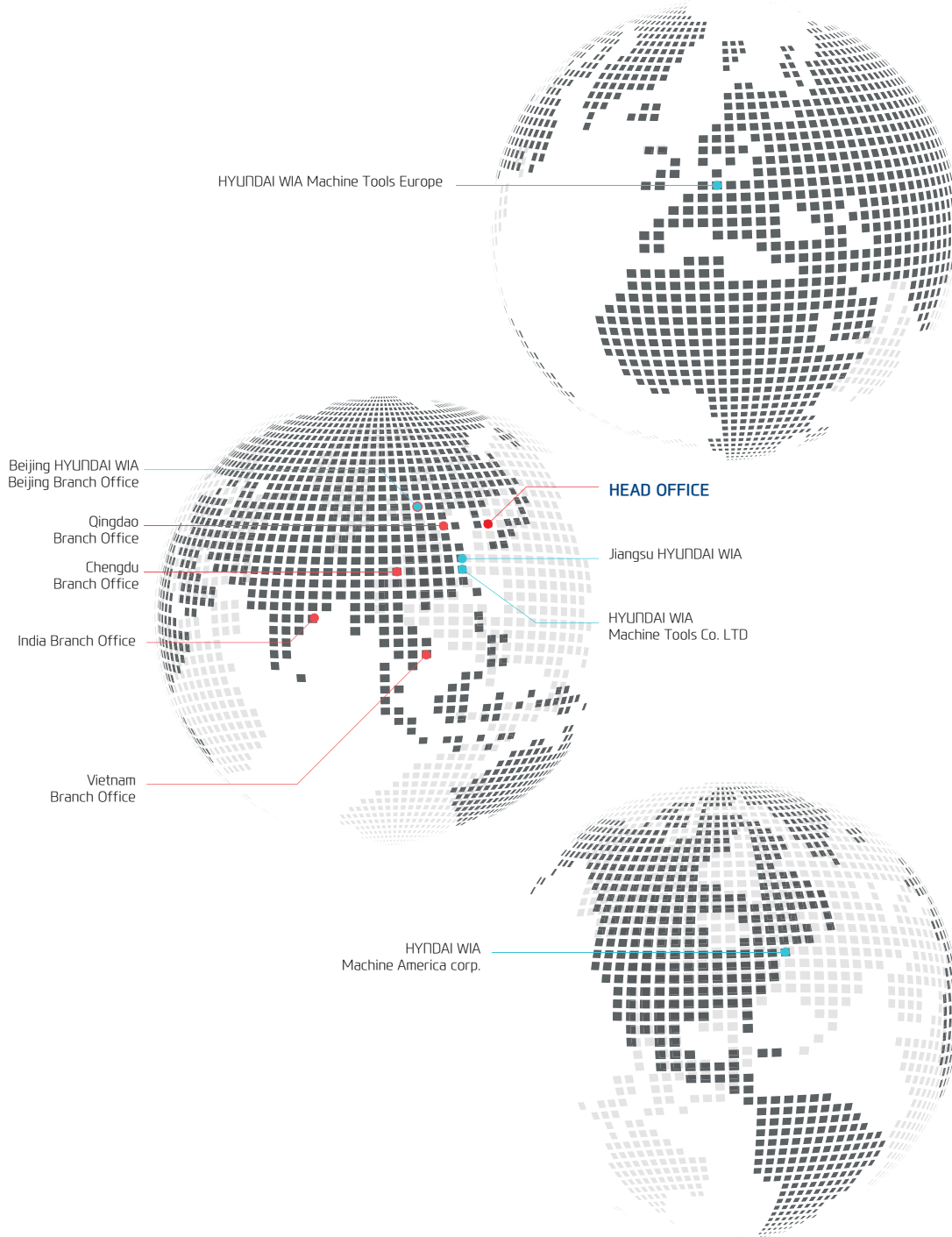
[] : Option

WH50D - 2-Spindle Line Center for Power Train Factory Automation

MODEL		WH50D
Pallet Size	mm(in)	Ø540 (Ø21.3")
Max. Load Capacity	kg(lb)	2×420 (925.9)
Max. Working Size	mm(in)	-
Sp. Taper	-	HSK-A63
Sp. Speed	r/min	20,000
Sp. Power (Max.)	kW(HP)	20 (26.8)
No. of Tools	EA	2×45
Travel (X/Y/Z)	mm(in)	600/655/685 (23.6"/25.8"/27")
Rapid Traverse Rate	m/min	90/75/100

[] : Option

GLOBAL NETWORK



You Tube HYUNDAI WIA MT
<https://www.youtube.com/HYUNDAIWIAMT>



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