

World Top Class Quality

# HYUNDAI WIA MACHINE TOOLS SERIES

CNC Turning Center



Vertical Machining Center



Horizontal Machining Center





# CREATING VALUE IN SEAMLESS MOBILITY

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

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KIT4500 | E160 Series | SE2200 Series | SE2600 Series | L2800 Series | L300 Series | HD Series  
L4000 Series | L5100L Series | L600/700/800 Series | SE2200Y Series | SE2600Y Series | HD-Y Series  
L-Y Series | L5100LY | KL7000LY/8000LY | LV Series | LV1400/2000 | LM-TT Series | XM Series  
LF-II Series | L-AW Series

### 28 – Vertical Machining Center

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i-CUT Series | KF-II Series | KF-B II Series | KF-D Series | KF7600L | F850 | KF5600M/6700M  
Hi-MOLD Series | F750B/960B | KF-5A Series | XF Series

### 38 – Horizontal Machining Center Machine

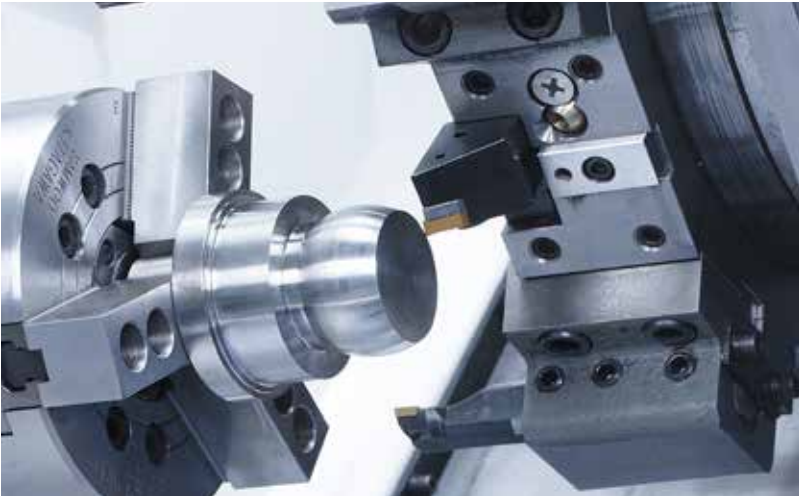
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KH50G/63G | KH80G | KH1000 | KH6300 | HS Series | HS4000 II/5000 II | HS6300 II/8000 II

### 42 – CNC Boring Machine

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KBN135 | KBN135C



## CREATING VALUE IN SEAMLESS MOBILITY

### 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



**KIT4500**

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 [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 • : SIEMENS

**E160 SERIES**

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
Sp. Power (Max.)	kW(HP)	11 (15)	11 [15] (15 [20])
Travel (X/Z)	mm(in)	165/330 (6.5"/13")	165/330 (6.5"/13")
No. of Tools	EA	12	10

[ ] : Option



## CREATING VALUE IN SEAMLESS MOBILITY

### EFFICIENT TYPE TURNING CENTER

#### SE2200 Series

- 30° slanted one-piece bed structure with high rigidity
- Roller guideways on all axis 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

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 (20)	15 (20)	M : 15 (20) / S : 7.5 (10)
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 • : SIEMENS

## SE2200 SERIES

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 [4,500]	4,500   4,500 [4,500]	M : 4,500 [4,500] / S : 6,000 [6,000]
Sp. Power (Max.)	kW(HP)	15 (20)   15 [12.2] (20 [16.4])	15 (20)   15 [12.2] (20 [16.4])	M : 15 [12.2] (20 [16.4]) / 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 • : SIEMENS

## SE2200C SERIES

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 [3,500]	M : 3,500 [3,500] / S : 6,000 [6,000]
Sp. Power (Max.)	kW(HP)	18.5 (20)	18.5 [17.8] (20 [23.9])	M : 18.5 [17.8] (20 [23.9]) / 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 • : SIEMENS



## CREATING VALUE IN SEAMLESS MOBILITY

### STANDARD TYPE TURNING CENTER

#### SE2600 Series

- 30° slanted one-piece bed structure with high rigidity
- Ensured high-rigidity applying Roller guideway on all axis (X/Z-axis: 30/30 m/min)
- High-rigidity and high-speed servo turret (Expanded disk width)
- Improved user convenience by applying the latest controller of FANUC
- Ergonomic design for convenient access to chuck and tool

#### L280 Series

- Utilizes roller bearings of  $\varnothing 140$  ( $\varnothing 5.5''$ ) and double angular contact bearings for the main spindle
- Ensured high-rigidity applying Roller guideway on all axis (X/Z-axis: 25/30 m/min)
- 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





## SE2600 SERIES

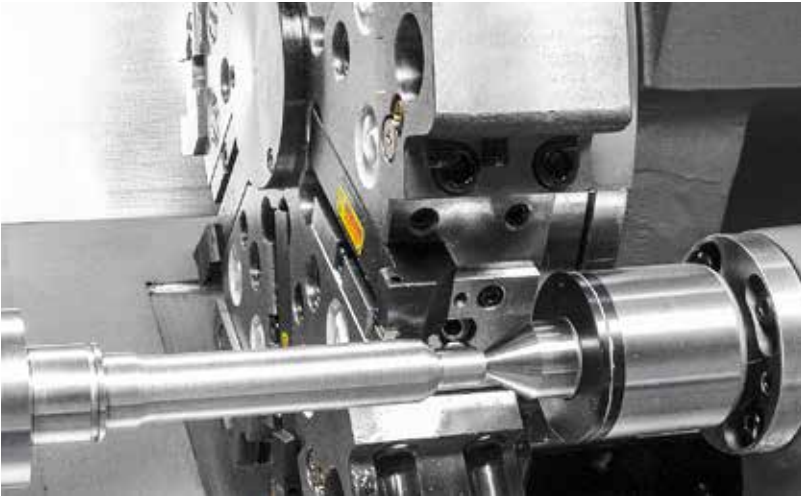
MODEL		SE2600	SE2600M
Max. Turning Dia.	mm(in)	Ø460 (18.1")	Ø380 (15")
Max. Turning Length	mm(in)	660 (26")	610 (24")
Chuck Size	inch	10"	10"
Bar Capacity	mm(in)	Ø81 (3.2")	Ø81 (3.2")
Sp. Speed	r/min	3,500 [2,500]	3,500 [2,500]
Sp. Power (Max.)	kW(HP)	18.5 [26] (25 [35])	18.5 [26] (25 [35])
Travel (X/Z)	mm(in)	265/680 (10.1"/26.8")	255/680 (10"/26.8")
No. of Tools	EA	10 [12]	12 [24] (BMT55)

[ ] : Option

## L280 SERIES

MODEL		L280L	L280LM
Max. Turning Dia.	mm(in)	Ø410 (16.1")	Ø410 (16.1")
Max. Turning Length	mm(in)	1,070 (42.1")	1,000 (39.4")
Chuck Size	inch	10"	10"
Bar Capacity	mm(in)	Ø76 (3")	Ø76 (3")
Sp. Speed	r/min	3,000 [3,000]	3,500 [3,500]
Sp. Power (Max.)	kW(HP)	22 (30) [33.6 (45)]	22 (30) [33.6 (45)]
Travel (X/Z)	mm(in)	220/1,100 (8.7"/43.3")	220/1,020 (8.7"/40.2")
No. of Tools	EA	10 [12]	12 (VDI40)

[ ] : Option • : SIEMENS



# CREATING VALUE IN SEAMLESS MOBILITY

## **TURNING CENTER WITH BOX GUIDEWAYS**

### 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)

## L300 SERIES

MODEL		L300A	L300MA	L300LA
Max. Turning Dia.	mm(in)	Ø500 (Ø19.7")	Ø410 (Ø16.1")	Ø500 (Ø19.7")
Max. Turning Length	mm(in)	720 (28.3")	680 (26.8")	1,320 (52")
Chuck Size	inch	10"	10"	10"
Bar Capacity	mm(in)	Ø76 (Ø3")	Ø76 (Ø3")	Ø76 (Ø3")
Sp. Speed	r/min	3,600	3,500	3,600
Sp. Power (Max.)	kW(HP)	22 (30)	22 (30)	22 (30)
Travel (X/Z)	mm(in)	290/750 (11.4"/29.5")	290/750 (11.4"/29.5")	290/1,350 (11.4"/53.1")
No. of Tools	EA	12	12 (BMT65)	12

MODEL		L300MSA	L300LMA	L300LMSA
Max. Turning Dia.	mm(in)	Ø410 (Ø16.1")	Ø410 (Ø16.1")	Ø410 (Ø16.1")
Max. Turning Length	mm(in)	680 (26.8")	1,280 (50.4")	1,250 (49.2")
Chuck Size	inch	M : 10" / S : 8"	10"	M : 10" / S : 8"
Bar Capacity	mm(in)	M : Ø76 (Ø3") / S : Ø65 (2.6")	Ø76 (Ø3")	M : Ø76 (Ø3") / S : Ø65 (2.6")
Sp. Speed	r/min	M : 3,500 / S : 4,000	3,500	M : 3,500 / S : 4,000
Sp. Power (Max.)	kW(HP)	M : 22 (30) / S : 11 (15)	22 (30)	M : 22 (30) / S : 11 (15)
Travel (X/Z/ZB)	mm(in)	290/750/700 (11.4"/29.5"/27.5")	290/1,350 (11.4"/53.1")	290/1,350/1,200 (11.4"/53.1"/47.2")
No. of Tools	EA	12 (BMT65)	12 (BMT65)	12 (BMT65)

MODEL		L300C	L300LC	L300MC
Max. Turning Dia.	mm(in)	Ø560 (22")	Ø560 (22")	Ø500 (Ø19.7")
Max. Turning Length	mm(in)	720 (28.3")	720 (28.3")	600 (23.6")
Chuck Size	inch	12" [15"]	12" [15"]	12" [15"]
Bar Capacity	mm(in)	Ø90 [Ø102] (Ø3.5" [Ø4"])	Ø90 [Ø102] (Ø3.5" [Ø4"])	Ø90 [Ø102] (Ø3.5" [Ø4"])
Sp. Speed	r/min	3,000 [2,800]	3,000 [2,800]	3,000 [2,800]
Sp. Power (Max.)	kW(HP)	26 [26] (35 [35])	26 [26] (35 [35])	22 [22] (30 [30])
Travel (X/Z)	mm(in)	355/750 (14"/29.5")	355/750 (14"/29.5")	355/750 (14"/29.5")
No. of Tools	EA	12	12	12 (BMT65)

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

[ ] : Option ● : Bigbore



## CREATING VALUE IN SEAMLESS MOBILITY

### 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

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 • : SIEMENS

## HD2600/3100A SERIES

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 [53.2] (35 [71.3])	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 • : SIEMENS

## HD3100 SERIES

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



## CREATING VALUE IN SEAMLESS MOBILITY

### 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)

#### L5100L Series

- Secures rigidity with box guideways for each shaft
- Max. turning length 2,070mm (81.5") long bed structure
- 2 step gear box type main spindle
- Application of high-performance main spindle
- Stable long shaft turning with steady rest option

**L4000 SERIES**

MODEL		L4000	L4000L	L4000M	L4000LM
Max. Turning Dia.	mm(in)	Ø570 (Ø22.4")	Ø570 (Ø22.4")	Ø570 (Ø22.4")	Ø570 (Ø22.4")
Max. Turning Length	mm(in)	1,043	2,138 (84.2")	958	2,053 (80.8")
Chuck Size	inch	15" [18"]	15" [18"]	15" [18"]	15" [18"]
Bar Capacity	mm(in)	Ø117	Ø117	Ø117	Ø117 (Ø4.6")
Sp. Speed	r/min	2,000 [2,000]	2,000 [2,000]	2,000 [2,000]	2,000 [2,000]
Sp. Power (Max.)	kW(HP)	35 [37] (47 [50])	35 [37] (47 [50])	30 [37] (40 [50])	30 [37] (40 [50])
Travel (X/Z)	mm(in)	330/1,105 (13"/43.5")	330/2,200 (13"/86.6")	330/1,105 (13"/43.5")	330/2,200 (13"/86.6")
No. of Tools	EA	10 [12]	10 [12]	12 (BMT75)	12 (BMT75)

MODEL		L4000C	L4000LC	L4000MC	L4000LMC
Max. Turning Dia.	mm(in)	Ø570 (Ø22.4")	Ø570 (Ø22.4")	Ø570 (Ø22.4")	Ø570 (Ø22.4")
Max. Turning Length	mm(in)	1,025 (40.4")	2,120 (83.5")	940 (37")	2,035 (80.1")
Chuck Size	inch	21"	21"	21"	21"
Bar Capacity	mm(in)	Ø165 (Ø6.5")	Ø165 (Ø6.5")	Ø165 (Ø6.5")	Ø165 (Ø6.5")
Sp. Speed	r/min	1,500	1,500	1,500	1,500
Sp. Power (Max.)	kW(HP)	37 (50)	37 (50)	37 (50)	37 (50)
Travel (X/Z)	mm(in)	330/1,105 (13"/43.5")	330/2,200 (13"/86.6")	330/1,105 (13"/43.5")	330/2,200 (13"/86.6")
No. of Tools	EA	10 [12]	10 [12]	12 (BMT75)	12 (BMT75)

[ ] : Option

**L5100L SERIES**

MODEL		L5100L	L5100LM
Max. Turning Dia.	mm(in)	Ø760 (Ø29.9") [12T Turret : Ø630 (Ø24.8")]	Ø690 (Ø27.2")
Max. Turning Length	mm(in)	2,205 (86.8")	2,120 (83.5")
Chuck Size	inch	21"	21"
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)	400/2,255 (15.7"/88.8")	400/2,170 (15.7"/85.4")
No. of Tools	EA	10 [12]	12 (BMT75)

MODEL		L5100LC	L5100LMC
Max. Turning Dia.	mm(in)	Ø760 (Ø29.9") [12T Turret : Ø630 (Ø24.8")]	Ø690
Max. Turning Length	mm(in)	2,205 (86.8")	2,120 (83.5")
Chuck Size	inch	24"	24"
Bar Capacity	mm(in)	Ø275 (Ø10.8")	Ø275 (Ø10.8")
Sp. Speed	r/min	1,500	1,500
Sp. Power (Max.)	kW(HP)	45 (60)	45 (60)
Travel (X/Z)	mm(in)	400/2,255 (15.7"/88.8")	400/2,170 (15.7"/85.4")
No. of Tools	EA	10 [12]	12 (BMT75)

[ ] : Option



## CREATING VALUE IN SEAMLESS MOBILITY

### HEAVY DUTY CUTTING TURNING CENTER

#### L600/700/800 Series

- Sturdiness secured through box guideways on all axis
- 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 : Ø375 (Ø14.8")
- Structure designed for machining long shafts and pipes with max. turning length of 3,250mm (128") (Long Bed Type)



## L600/700/800 SERIES

MODEL		L600A   L600MA	L600LA   L600LMA
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" / 24"]	Opt. [18" / 21" / 24"]
Bar Capacity	mm(in)	Opt [18" : Ø117 (Ø4.6") / 21", 24" : Ø139 (Ø5.5")]	Opt [18" : Ø117 (Ø4.6") / 21", 24" : Ø139 (Ø5.5")]
Sp. Speed	r/min	Opt. [18" : 1,800 / 21" : 1,700 / 24" : 1,400]	Opt. [18" : 1,800 / 21" : 1,700 / 24" : 1,400]
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   L700MA	L700LA   L700LMA
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" / 32"]	Opt. [24" / 32"]
Bar Capacity	mm(in)	Ø165 (Ø6.5")	Ø165 (Ø6.5")
Sp. Speed	r/min	Opt. [24" : 1,500 / 32" : 1,200]	Opt. [24" : 1,500 / 32" : 1,200]
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   L800MA	L800LA   L800LMA
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. [24" : Independent / 27" : Air / 32" : Hydraulic]	Opt. [24" : Independent / 27" : Air / 32" : Hydraulic]
Bar Capacity	mm(in)	Hydraulic : Ø239 (9.4") / Air, Independent : Ø319 (12.6")	Hydraulic : Ø239 (9.4") / Air, Independent : Ø319 (12.6")
Sp. Speed	r/min	700	700
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		L800D   L800MD	L800LD   L800LMD
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. [34" Air Chuck] [32" Independent Chucks]	Opt. [34" Air Chuck] [32" Independent Chucks]
Bar Capacity	mm(in)	Ø374 (14.7")	Ø374 (14.7")
Sp. Speed	r/min	500	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)

[ ] : Option



## CREATING VALUE IN SEAMLESS MOBILITY

### Y-AXIS TURNING CENTER

#### SE2200Y 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

#### SE2600Y Series

- 30° slanted one-piece bed structure with high rigidity
- Applying high-rigidity roller type LM guideway on all axis
- Integrated processing through synchronized control of main/sub spindle
- Hydraulic NC tailstock with position control
- Multi-tasking operation with wedge type Y-axis BMT55 turret



## SE2200Y SERIES

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 (20)	15 (20)	M : 15 (20) / S : 7.5 (10)
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]	4,500 [4,500]	M : 4,500 [4,500] / S : 6,000 [6,000]
Sp. Power (Max.)	kW(HP)	15 [12.2] (20 [16.4])	15 [12.2] (20 [16.4])	M : 15 [12.2] (20 [16.4]) / 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 ● : SIEMENS

## SE2600Y SERIES

MODEL		SE2600Y	SE2600SY
Max. Turning Dia.	mm(in)	Ø380 (15")	Ø380 (15")
Max. Turning Length	mm(in)	630 (24.8")	630 (24.8")
Chuck Size	inch	10"	M : 10" / S : 6"
Bar Capacity	mm(in)	Ø81 (Ø3.2")	M : Ø81 (Ø3.2") / S : Ø51 (Ø2")
Sp. Speed	r/min	3,500 [2,500]	M : 3,500 [2,500] / S : 4,500
Sp. Power (Max.)	kW(HP)	18.5 [26] (25 [35])	M : 18.5 [26] (25 [35]) / S : 7.5 (10)
Travel (X/Y/Z/ZB)	mm(in)	255/110 {±55}/680 (10"/4.3"{±2.2"}/26.8")	255/110 {±55}/680/660 (10"/4.3"{±2.2"}/26.8"/26")
No. of Tools	EA	12 [24] (BMT55)	12 [24] (BMT55)

[ ] : Option



# CREATING VALUE IN SEAMLESS MOBILITY

## Y-AXIS TURNING CENTER

### 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

## HD-Y SERIES

MODEL		HD2200Y	HD2200SY
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"
Bar Capacity	mm(in)	Ø65 (Ø2.6")	M : Ø65 (Ø2.6") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	4,000 [4,000]	M : 4,000 [4,000] / S : 6,000 [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])
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		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	10"	M : 10" / S : 5"
Bar Capacity	mm(in)	Ø81 (Ø3.2")	M : Ø81 (Ø3.2") / S : Ø32 (Ø1.3")
Sp. Speed	r/min	3,500 [3,500]	M : 3,500 [3,500] / S : 6,000 [6,000]
Sp. Power (Max.)	kW(HP)	18.5 [23.8] (25 [32])	M : 18.5 [23.8] (25 [32]) / 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
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"
Bar Capacity	mm(in)	Ø81 (Ø3.2")	M : Ø81 (Ø3.2") / S : Ø51 (Ø2")
Sp. Speed	r/min	3,500	M : 3,500 / S : 4,500
Sp. Power (Max.)	kW(HP)	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)

MODEL		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	12"	M : 12" / S : 6"
Bar Capacity	mm(in)	Ø102 (Ø4")	M : Ø102 (Ø4") / S : Ø51 (Ø2")
Sp. Speed	r/min	2,800	M : 2,800 / S : 4,500
Sp. Power (Max.)	kW(HP)	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 • : SIEMENS



# CREATING VALUE IN SEAMLESS MOBILITY

## 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**

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**

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")	M : 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



## CREATING VALUE IN SEAMLESS MOBILITY

### HEAVY DUTY CUTTING Y-AXIS TURNING CENTER

#### 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

#### KL7000LY/8000LY

- Rigidity secured through box guideways on all axis
- 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")





**L5100LY**

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

**KL7000LY/8000LY**

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)

[ ] : Option



## CREATING VALUE IN SEAMLESS MOBILITY

### 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 | LV2000MM

- 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. (LV2000MM)
- Linear scale on all axis as standard (LV2000MM)



## LV SERIES

MODEL		LV500 Series	LV1100 Series
Max. Swing	mm(in)	Ø760 (29.9")	Ø1,355 (Ø53.3")
Max. Turning Dia.	mm(in)	Ø550 (21.7")	Ø1,160 (Ø45.7")
Max. Turning Length	inch	600 (23.6")	1,000 (39.4")
Chuck Size	mm(in)	15" [18"]	32" [40"]
Sp. Speed	r/min	2,000 [2,000] [2,000]	800 [630]
Sp. Power (Max.)	kW(HP)	26 [30] [30] (35 [40] [40])	65 [65] (87 [87])
Travel (X/Z)	mm(in)	325/625 (12.8"/24.6")	620/1,000 (24.4"/39.4")
No. of Tools	EA	8 [12] / "M" type : 12 (BMT75)	12 / "M" type : 12 (BMT85)

MODEL		LV4500 Series	LV8500 Series
Max. Swing	mm(in)	Ø620 (Ø24.4")	Ø890 (Ø35")
Max. Turning Dia.	mm(in)	Ø465 (Ø18.3")	Ø850 (Ø33.5")
Max. Turning Length	inch	465 (18.3")	800 (31.5")
Chuck Size	mm(in)	12" [15"]	18" [21"] [24"]
Sp. Speed	r/min	3,000 [2,700]	2,000 [1,940] [1,760]
Sp. Power (Max.)	kW(HP)	26 [35] (37 [45])	Belt : 37 (50) [Gear : 45 (60)]
Travel (X/Z)	mm(in)	320/495 (12.6"/19.5")	465/800 (18.3"/31.5")
No. of Tools	EA	12 / "M" type : 12 (BMT65)	12 / "M" type : 12 (BMT75)

[ ] : Option

## LV1400 | LV2000MM

MODEL		LV1400	LV2000MM
Max. Turning Dia.	mm(in)	Ø1,400 (55.1")	Ø2,000 (78.7")
Max. Turning height	mm(in)	850 (33.5")	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



## CREATING VALUE IN SEAMLESS MOBILITY

### 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 axis provide high rigidity (LM2500TTSY II)
- Hybrid travel system with box and roller guideways (LM1600/1800TT Series)

#### XM Series

- The 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.
- Expanding the machining area by shortening the length of the mill head
- Extended Y-axis travel distance compared to the previous model
- Application of CAPTO C6 tool for high speed complex machining
- The model features built-in right/left-spindles with high output and high torque.



## LM-TT SERIES

MODEL		LM1600TT Series	LM1800TT Series
Max. Turning Dia.	mm(in)	Upper Turret/Lower Turret : $\varnothing 230$ ( $\varnothing 9.1''$ )	Upper Turret/Lower Turret : $\varnothing 230$ ( $\varnothing 9.1''$ )
Max. Turning Length	mm(in)	705 (27.8")	673 (26.5")
Chuck Size	inch	Sp. 1st : 6" / Sp. 2nd : 6"	Sp. 1st : 8" / Sp. 2nd : 8"
Bar Capacity	mm(in)	Sp. 1st : $\varnothing 51$ ( $\varnothing 2''$ ) / Sp. 2nd : $\varnothing 51$ ( $\varnothing 2''$ )	Sp. 1st : $\varnothing 65$ ( $\varnothing 2.6''$ ) / Sp. 2nd : $\varnothing 65$ ( $\varnothing 2.6''$ )
Sp. Speed	r/min	Sp. 1st : 6,000 / Sp. 2nd : 6,000	Sp. 1st : 5,000 [5,000] / Sp. 2nd : 5,000 [5,000]
Sp. Power (Max.)	kW(HP)	Sp. 1st : 15 (20) / Sp. 2nd : 15 (20)	Sp. 1st : 22 [22] (30 [30]) / Sp. 2nd : 22 [22] (30 [30])
Travel	mm(in)	X1/X2/Z1/Z2/Y/ZB : 165/195/700/720/100{ $\pm 50$ }/700 (6.5"/7.7"/27.6"/28.3"/3.9"/27.6")	X1/X2/Z1/Z2/Y/ZB : 165/195/700/720/100{ $\pm 50$ }/668 (6.5"/7.7"/27.6"/28.3"/3.9"/26.3")
No. of Tools	EA	2 $\times$ 12 [2 $\times$ 24] (BMT55)	2 $\times$ 12 [2 $\times$ 24] (BMT55)

MODEL		LM2500TTSY II
Max. Turning Dia.	mm(in)	Upper Turret : $\varnothing 390$ ( $\varnothing 15.4''$ ) / Lower Turret : $\varnothing 300$ ( $\varnothing 11.8''$ )
Max. Turning Length	mm(in)	900 (35.4")
Chuck Size	inch	Sp. 1st : 10" / Sp. 2nd : 10"
Bar Capacity	mm(in)	Sp. 1st : $\varnothing 81$ ( $\varnothing 3.2''$ ) / Sp. 2nd : $\varnothing 81$ ( $\varnothing 3.2''$ )
Sp. Speed	r/min	Sp. 1st : 4,000 / Sp. 2nd : 4,000
Sp. Power (Max.)	kW(HP)	Sp. 1st : 30 (40) / Sp. 2nd : 30 (40)
Travel	mm(in)	X1/X2/Z1/Z2/Y/ZB : 270/195/920/920/120{ $\pm 60$ }/920 (10.6"/7.7"/36.2"/36.2"/4.7"/36.2")
No. of Tools	EA	2 $\times$ 24 (BMT65)

[ ] : Option • : SIEMENS

- LM1600TT Series : LM1600TTS, LM1600TTMS, LM1600TTSY
- LM1800TT Series : LM1800TTS, LM1800TTMS, LM1800TTSY

## XM SERIES

MODEL		XM2600 Series	XM3100 Series
Max. Turning Dia.	mm(in)	Mill Head : $\varnothing 660$ ( $\varnothing 26''$ ) / [Turret : $\varnothing 410$ ( $\varnothing 16.1''$ )]	Mill Head : $\varnothing 660$ ( $\varnothing 26''$ ) / [Turret : $\varnothing 410$ ( $\varnothing 16.1''$ )]
Max. Turning Length	mm(in)	1,540 (60.6")	1,540 (60.6")
Chuck Size	inch	Sp. 1st : 10" / Sp. 2nd : 10"	Sp. 1st : 12" / Sp. 2nd : 10"
Bar Capacity	mm(in)	Sp. 1st : $\varnothing 81$ ( $\varnothing 3.2''$ ) / Sp. 2nd : $\varnothing 81$ ( $\varnothing 3.2''$ )	Sp. 1st : $\varnothing 102$ ( $\varnothing 4''$ ) / Sp. 2nd : $\varnothing 81$ ( $\varnothing 3.2''$ )
Sp. Speed	r/min	M : 4,000 / Sp. 2nd : 4,000	M : 4,000 / Sp. 2nd : 4,000
Sp. Power (Max.)	kW(HP)	Sp. 1st : 30 (40) / Sp. 2nd : 30 (40)	Sp. 1st : 37 (50) / Sp. 2nd : 30 (40)
Mill Head Speed	r/min	12,000	12,000
Mill Head Power (Max.)	kW(HP)	22 (29.5)	22
Travel	mm(in)	X1/Z1/Y/X2/Z2/A : 695/300 { $\pm 150$ }/1585/235/1540/1595 (27.4"/11.8"/62.4"/9.3"/60.6"/62.8")	X1/Z1/Y/X2/Z2/A : 695/300 { $\pm 150$ }/1585/235/1540/1595 (27.4"/11.8"/62.4"/9.3"/60.6"/62.8")
No. of Tools (ATC)	EA	40 [80/120] (CAPTO C6)	40 [80/120] (CAPTO C6)
No. of Tools (Turret)	EA	[12 (BMT65)]	[12 (BMT65)]

[ ] : Option

- XM2600 Series : XM2600, XM2600S, XM2600ST
- XM3100 Series : XM3100, XM3100S, XM3100ST

# CREATING VALUE IN SEAMLESS MOBILITY



## 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

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

# CREATING VALUE IN SEAMLESS MOBILITY



## 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

MODEL		KL6500AW [Mirror Finishing]	LV800AW-TT	LV800RAW
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 [Built-in : 2,500]	3,000	2,000
Sp. Power (Max.)	kw(HP)	37 [37] (50 [50])	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



## CREATING VALUE IN SEAMLESS MOBILITY

### TAPPING CENTER

#### i-CUT400TD

- Dual Tables Structure for enhanced productivity
- 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 axis 56m/min (2,205 ipm) rapid traverse rate
- Latest FANUC controls for improved user convenience

#### i-CUT4000/4500

- Optimal Structure for Jig
- Best-in-class all axis 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 FANUC controls for improved user convenience





**i-CUT400/450 SERIES**

MODEL		i-CUT400TD
Table Size	mm(in)	2-650×400 (2-25.6"×15.7")
Max. Load Capacity	kg(lb)	2-250 (2-551.2)
Sp. Taper	-	BBT30
Sp. Speed	r/min	12,000 [12,000] [15,000]
Sp. Power (Max.)	kW(HP)	13 [14.1] [14.1] (17.4 [18.9] [18.9])
No. of Tools	EA	14 [21] [Twin Arm : 20, 24]
Travel (X/Y/Z)	mm(in)	520/400/330 (20.5"/15.7"/13") [Twin Arm : 520/400/460 (20.5"/15.7"/18.1")]
Rapid Traverse Rate	m/min	48/48/48 [56/56/56] [Twin Arm : 48/48/56]

[ ] : Option ● : SIEMENS

**i-CUT4000/4500**

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 ● : SIEMENS



## CREATING VALUE IN SEAMLESS MOBILITY

### VERTICAL MACHINING CENTER

#### KF-II Series

- High-precision machining by improved spindle quality
- High-speed roller LM guides in all axis
- 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**

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, 60]	30 [40, 60]
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		KF5600L II	KF5600/50 II	KF6700/50 II
Table Size	mm(in)	1,500×560 (59.1"×22")	1,250×560 (49.2"×22")	1,500×670 (59"×26.4")
Max. Load Capacity	kg(lb)	1,000 (2,205)	1,000 (2,205)	1,300 (2,866)
Sp. Taper	-	BBT40 [12K, 15K, 20K : HSK-A63]	BBT50 [HSK-A100]	BBT50 [HSK-A100]
Sp. Speed	r/min	Std. 8,000	8,000	8,000
Sp. Power (Max.)	kw(HP)	18.5 (25)	22 (30)	22 (30)
No. of Tools	EA	30 [40]	24	24 [30]
Travel (X/Y/Z)	mm(in)	1,300/560/520 (51.2"/22"/20.5")	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	36/36/30

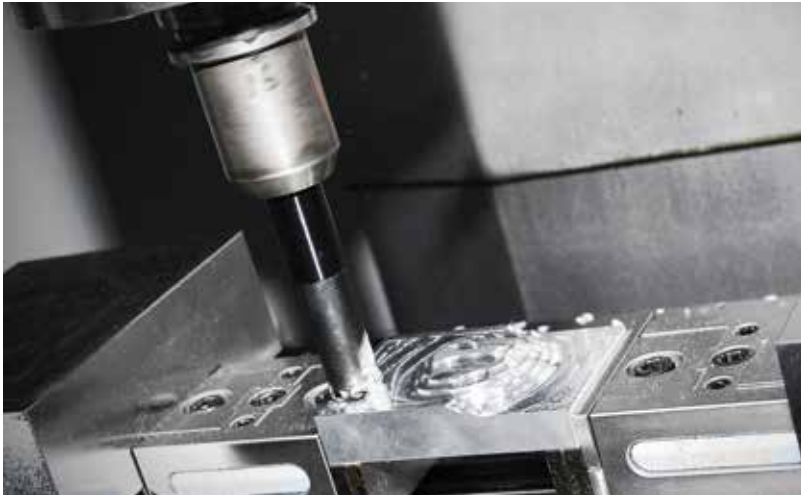
※ Please refer to the KF II series catalogue for more details about spindle options.

[ ] : Option

**KF-B II SERIES**

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



## CREATING VALUE IN SEAMLESS MOBILITY

### VERTICAL MACHINING CENTER

#### KF-D Series

- Dual Tables for enhanced productivity
- High-precision machining by improved spindle quality (Max. 15,000 rpm direct spindle)
- High-speed roller type LM guide in all axis (Rapid Traverse Rate : 42 m/min)
- 42 Tool pickup type magazine application that does not require automatic tool loading device
- Improved user convenience by applying the latest controller of FANUC

#### KF7600L

- Large table application for machining long parts : X-axis 2,100mm (82.7")
- High speed/High rigidity roller guide in all axis
- 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

#### 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 axis
- 12,000rpm high speed spindle with direct couplings
- High speed, 24 tool twin arm ATC (C-C : 4.7sec)



**KF-D SERIES**

MODEL		KF4300D	KF5200D
Table Size	mm	2-660×480 (2-26"×18.9")	2-860×570 (2-33.9"×22.4")
Max. Load Capacity	kg	2-300 (2-661)	2-350 (2-772)
Sp. Taper	-	BBT40 [HSK-A63]	BBT40 [HSK-A63]
Sp. Speed	r/min	8,000 [8,000 : High Torque] [12,000] [15,000]	8,000 [8,000 : High Torque] [12,000] [15,000]
Sp. Power (Max.)	kW	18.5 (25) [15 (20)] [18.5 (25)] [18.5 (25)]	15 [15] [11] [27.8]
No. of Tools	EA	42 : Pick-up Type	42 : Pick-up Type
Travel (X/Y/Z)	mm	560/430/570 (22.1"/20.5"/22.4")	760/520/570 (29.5"/20.5"/22.4")
Rapid Traverse Rate	m/min	42/42/42	42/42/42

[ ] : Option

**KF7600L**

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 (82.7"/29.9"/25")
Rapid Traverse Rate	m/min	30/30/24

[ ] : Option

**F850**

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 • : SIEMENS



## CREATING VALUE IN SEAMLESS MOBILITY

### VERTICAL MACHINING CENTER

#### KF5600M/6700M

- Built-in main spindle for processing high quality mold products
- High-speed roller LM guides in all axis
- 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

#### Hi-MOLD Series

- Highly reliable bridge type structure (Hi-MOLD6500)
- Highly accurate main spindles with ultra precision angular contact bearings
- High speed built-in main spindle for the utmost quality of molds
- Hyundai WIA mold package for optimal processing of mold parts

#### F750B/960B

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



**KF5600M/6700M**

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 (29.5)	22 (29.5)
No. of Tools	EA	30 [40, 60]	30 [40, 60]
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

[ ] : Option

**Hi-MOLD SERIES**

MODEL		Hi-MOLD450	Hi-MOLD560	Hi-MOLD6500
Table Size	mm(in)	850×500 (33.5"×19.7")	1,250×600 (49.2"×23.6")	1,200×650 (47.2"×25.6")
Max. Load Capacity	kg(lb)	300 (661)	800 (1,764)	1,000 (2,205)
Sp. Taper	-	HSK-A63 : 24,000 [HSK-E40 : 40,000]	HSK-A63 : 24,000 [HSK-E40 : 40,000]	BBT40
Sp. Speed	r/min	24,000 [40,000]	24,000 [40,000]	20,000 [24,000]
Sp. Power (Max.)	kW(HP)	33 [26] (44.3 [35])	33 [26] (44.3 [35])	22 [22] [(29.5 [29.5])]
No. of Tools	EA	24	24	30
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")	1,100/650/550 (43.3"/25.6/21.7")
Rapid Traverse Rate	m/min	50/50/50	50/50/50	40/40/40

[ ] : Option

**F750B/960B**

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]	8,000 [12,000]
Sp. Power (Max.)	kW(HP)	18.5 [18.5] [30] [25 [25] [40]]	22 [30] [30 [40]]
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



# CREATING VALUE IN SEAMLESS MOBILITY

## 5-AXIS MACHINING CENTER

### KF-5A Series

- 5-axis table to satisfy various processing needs
- High-speed roller type LM guide in all axis
- High speed built-in main spindle for the utmost quality of molds
- Hyundai WIA mold package for optimal processing of mold parts

### XF2000i

- 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

### 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





**KF-5A SERIES**

MODEL		KF3500/5A	KF7300/5A
Table Size	mm(in)	Ø350 (Ø13.8")	Ø630 (Ø24.8")
Max. Load Capacity	kg(lb)	250 (551)	500 (1,102)
Sp. Taper	-	BBT40	BBT40 [HSK-A63]
Sp. Speed	r/min	12,000 [15,000] [20,000]	12,000 [20,000]
Sp. Power (Max.)	kW(HP)	18.5 [18.5] [22] (25 [25] [29.5])	22 [22] (29.5 [29.5])
No. of Tools	EA	30 [40, 60]	40 [60]
Travel (X/Y/Z)	mm(in)	400{+200}/655/500 (15.7"/+7.9"/19.7")	765/650/520 (29.5"/25.6"/20.5")
Rapid Traverse Rate	m/min	36/36/30	40/40/40

[ ] : Option

**XF2000i**

MODEL		XF2000i
Table Size	mm(in)	Ø260 (Ø10.2")
Max. Load Capacity	kg(lb)	50 (110)
Max. Macining height	mm(in)	100 (3.9")
Sp. Taper	-	HSK-E40
Sp. Speed	r/min	24,000
Sp. Power (Max.)	kW(HP)	12.5 (16.8)
No. of Tools	EA	Pick-up Type : 20 [Chain Type : 40]
Travel (X/Y/Z)	mm(in)	300/300/200 (11.8"/11.8"/7.9")
Rapid Traverse Rate	m/min	50/50/50

[ ] : Option

**XF6300/8000**

MODEL		XF6300	XF8500
Table Size	mm(in)	Ø630 (Ø24.8")	Ø850 (Ø33.4")
Max. Load Capacity	kg(lb)	600 (1,323)	1,000 (2,205)
Max. Macining height	mm(in)	500 (19.7")	600 (23.6")
Sp. Taper	-	HSK-A63 [40K : HSK-E40]	HSK-A63 [30K : HSK-E40]
Sp. Speed	r/min	15,000 [24,000] [40,000]	15,000 [9,000] [24,000] [30,000]
Sp. Power (Max.)	kW(HP)	31 [26] [26] (41.6 [35] [35])	31 [42] [26] [120] (41.6 [56.3] [35] [160.9])
No. of Tools	EA	Twin Arm Type : 34 [68, 102]	Pick-up Type : 34 [Twin Arm : 68, 102]
Travel (X/Y/Z)	mm(in)	650/765/500 (25.6"/23.6"/19.7")	850/920/600 (33.4"/36.2"/23.6")
Rapid Traverse Rate	m/min	60/60/60	45/45/45

[ ] : Option



# CREATING VALUE IN SEAMLESS MOBILITY

## 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 axis for ultra-rigidity
- Air semi-rising slideway on Z-axis
- Y-axis box guideways with 8 face contact for heavy machining capability

### KH80G/1000

- Gear driven main spindles for powerful cutting (KH80G : 3 step, KH1000 : 2 step)
- Spindle Oil Cooling device for high accuracy
- Shuttle type APC
- Box guideways on all axis for ultra-rigidity (KH1000)
- 8-face contact Y-axis guideway & air semi-rising slideway (KH1000)

### KH1000

- High Rigidity Box-type & Step Type Bed Structure
- 2 step gear on main spindle for heavy duty cutting
- Spindle Oil Cooling device for high accuracy
- Rotary Type APC Applied (APC Change Time 12sec)
- Box guideways on all axis for ultra-rigidity
- X/Y/Z Axis Rapid Traverse Rate : 30m/min



**KH50G/63G**

MODEL		KH50G	KH63G
Pallet Size	mm(in)	2-500×500 (2-19.7"×19.7")	2-630×630 (2-24.8"×24.8")
Max. Load Capacity	kg(lb)	2-800 (2-1,764)	2-1,000 (2-2,205)
Sp. Taper	-	BT50 [BBT50]	BT50 [BBT50]
Sp. Speed	r/min	4,500 [4,500] [8,000] [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] [25 [29.5] [25] [29.5]]	22 [26] [22] [26] [22.2] [22.2] [29.5] [26] [29.5] [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 ● : SIEMENS

**KH80G/1000**

MODEL		KH80G	KH1000
Pallet Size	mm(in)	800×800 (31.5"×31.5")	2-1,000×1,000 (2-39.4"×39.4")
Max. Load Capacity	kg(lb)	2,200 (4,850)	2-3,000 (2-6,614)
Sp. Taper	-	BT50 [BBT50] [HSK-A100]	BBT50
Sp. Speed	r/min	4,500 [6,000]	8,000 [4,500] [8,000] [12,000]
Sp. Power (Max.)	kW(HP)	26 [26] [35 [35]]	26 [26] [26] [30] [35 [35] [35] [40]]
No. of Tools	EA	40 [80, 120]	60 [90, 120]
Travel (X/Y/Z)	mm(in)	1,250/1,000/850 (49.2"/39.4"/33.5")	2,100/1,350/1,400 (82.7"/53.1"/55.1")
Rapid Traverse Rate	m/min	18/18/18	20/20/20

[ ] : Option ● : SIEMENS

**KH6300**

MODEL		KH6300
Pallet Size	mm(in)	2-630×630 (2-24.8"×24.8")
Max. Load Capacity	kg(lb)	2-1,200 (2-2,645) [0.001° : 2-1,000 1,000 (2-2,205)]
Sp. Taper	-	BBT50
Sp. Speed	r/min	6,000 [8,000]
Sp. Power (Max.)	kW(HP)	45 [32] [60 [47]]
No. of Tools	EA	60 [90,120,150] [Matrix : 240]
Travel (X/Y/Z)	mm(in)	1,050/850/1,000 (41.3"/33.5"/39.4")
Rapid Traverse Rate	m/min	30/30/30

[ ] : Option



GOD DESIGN

## CREATING VALUE IN SEAMLESS MOBILITY

### 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



## HS SERIES

MODEL		HS4000M	HS5000M	HS5000M/50
Pallet Size	mm(in)	2-400×400 (15.7"×15.7")	2-500×500 (19.7"×19.7")	2-500×500 (19.7"×19.7")
Max. Load Capacity	kg(lb)	2-500 (1,102)	2-800 (1,764) [0.001° : 450 (992)]	2-800 (1,764) [0.001° : 450 (992)]
Sp. Taper	-	BBT40 [HSK-A63]	BBT40 [HSK-A63]	BBT50 [HSK-A100]
Sp. Speed	r/min	15,000	15,000 [20,000]	12,000 [6,000]
Sp. Power (Max.)	kW(HP)	25 (33.5)	37 [37] (50 [50])	45 [45] (60 [60])
No. of Tools	EA	40 [60, 80, 120]	40 [60, 80, 120]	40 [60]
Travel (X/Y/Z)	mm(in)	620/560/650 (24.4"/22"/25.6")	850/700/750 (33.5"/27.6"/29.5")	850/700/750 (33.5"/27.6"/29.5")
Rapid Traverse Rate	m/min	60/60/60	60/60/60	60/60/60

MODEL		HS5000M-1P	HS5000M/50-1P
Pallet Size	mm(in)	500×500 (19.7"×19.7")	500×500 (19.7"×19.7")
Max. Load Capacity	kg(lb)	800 [0.001° : 220]	800 [0.001° : 220]
Sp. Taper	-	BBT40 [HSK-A63]	BBT50 [12K : HSK-A100]
Sp. Speed	r/min	15,000 [20,000]	12,000 [6,000]
Sp. Power (Max.)	kW(HP)	37 [37] (50 [50])	45 [45] (60 [60])
No. of Tools	EA	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")
Rapid Traverse Rate	m/min	60/60/60	60/60/60

[ ] : Option

## HS4000 II/5000 II

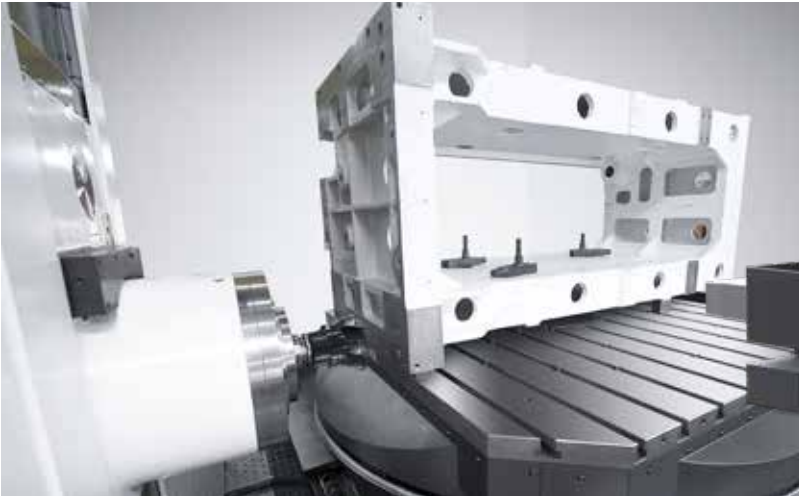
MODEL		HS4000 II	HS5000 II	HS5000 II
Pallet Size	mm(in)	2-400×400 (2-15.7"×15.7")	2-500×500 (2-19.7"×19.7")	2-500×500 (2-19.7"×19.7")
Max. Load Capacity	kg(lb)	2-400 (2-882)	2-500 (2-1,102)	2-1,000 (2-2,205)
Sp. Taper	-	BBT40 [HSK-A63]	BBT40 [HSK-A63]	BBT50 [HSK-A100]
Sp. Speed	r/min	15,000 [15,000 High-Torque] [20,000]	15,000 [15,000 High-Torque] [20,000]	10,000
Sp. Power (Max.)	kW(HP)	30 [37] [37] (40 [50] [50])	30 [37] [37] (40 [50] [50])	45 (60)
No. of Tools	EA	Ring Type : 40 [60] [Chain Type : 90, 120] [Matrix : 240]		Ring Type : 40 [60] [Chain Type : 90, 120]
Travel (X/Y/Z)	mm(in)	560/640/660 (22"/25.2"/26")	730/730/880 (28.7"/28.7"/34.6")	800/800/880 (31.5"/31.5"/34.6")
Rapid Traverse Rate	m/min	60/60/60	60/60/60	60/60/60

[ ] : Option

## HS6300 II/8000 II

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 [55] (60 [74])	45 [55] (60 [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



## CREATING VALUE IN SEAMLESS MOBILITY

### HEAVY DUTY BORING MACHINE

#### KB1135 Series

- One-piece bed construction for ultra precision (KB1135)
- Movable column structure for high-load, heavy load and heavy duty cutting (KB1135C)
- 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**

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

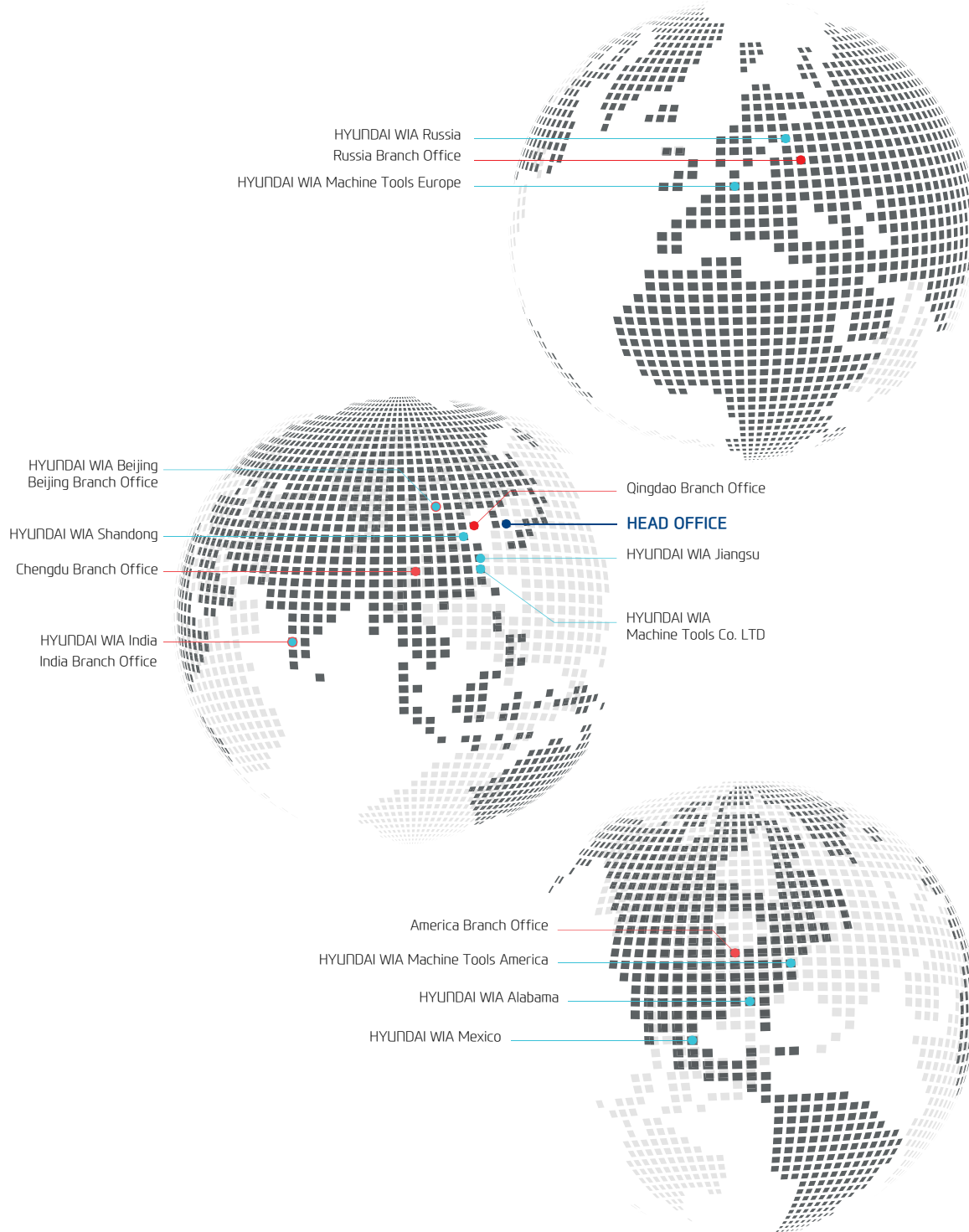
[ ] : Option

**KBN135C**

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	2,000 [2,000] [2,000] [2,000]	2,000 [2,000] [2,000] [2,000]
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 • : SIEMENS

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**You Tube HYUNDAI WIA MT**  
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<http://machine.hyundai-wia.com>

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