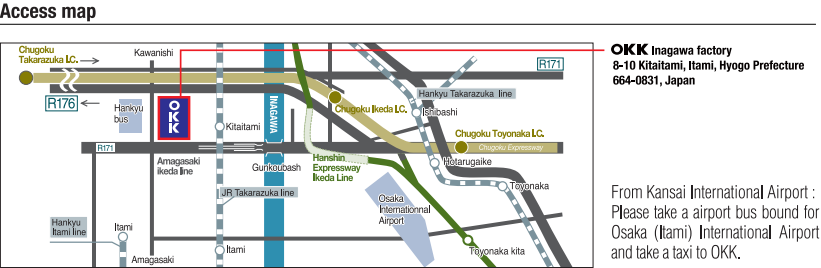


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GENERAL CATALOGUE

MACHINE TOOLS



VERTICAL MACHINING CENTER

P-3 VM Series



VM43R VM76R  
VM53R VM600  
VM900

P-4 VP Series



VP400 VP9000 VP2200  
VP500-2APC VP1200 VP3100  
VP600 VP1800

P-5 KCV Series



KCV800  
KCV1000

P-5 VG13000



VG13000  
VG13000-30L

P-6 GC Series



GC43R  
GC53R  
GC76R

VM600GC  
VP400GC  
VP600GC



VP1200GC VP2200GC  
VP1800GC VP3100GC

P-7 VB53



DC400



P-8 VC51



GR400

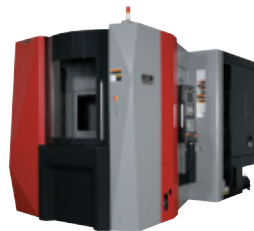


HORIZONTAL MACHINING CENTER

P-9 HMC400

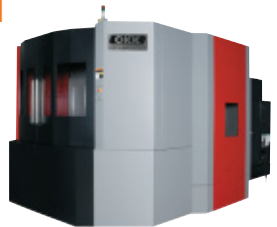


P-9 HM Series



HM400 HM800  
HM500S HM1000S  
HM5000 HM1000  
HM6300S HM1250S  
HM630 HM1600  
HM800S

P-10 MCH Series



MCH600  
MCH8000  
MCH10000

Mass Production & Line Adaptive Horizontal Machining Center

P-10 HPM40 Series



HPM40 TYPE A  
HPM40 TYPE B

P-10 PM Series



PM400Ⅲ  
PM500

5 AXIS MACHINING CENTER

P-11 5AX Series



HM-X6000  
VG5000  
VP9000-5AX  
KCV800-5AX  
KCV1000-5AX



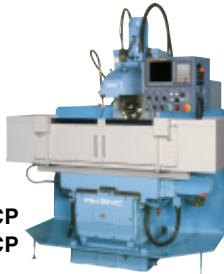
P-12



VC-X350  
VC-X500  
VM-X53R  
MCV560DS-5AX  
VM900DS-5AX

MILLING MACHINE

P-13 MH NC Series



MH2NCV/2NCP  
MH3NCV/3NCP

P-14 MH Series



MH2V/2P  
MH3V/3P

HA400





VM Series

Developed by pursuing basics of machining centers, i.e., cutting performance and accuracy. Valuable cost performance was realized by eliminating redundant functions.



VM53R  
Vertical Machining Center



VM76R  
Vertical Machining Center



VM600  
Vertical Machining Center



VM900  
Vertical Machining Center

| Machine model | Axis travel (X×Y×Z)                    | Table work surface area     | Spindle speed               | Spindle taper      | Spindle motor            | Magazine capacity |
|---------------|----------------------------------------|-----------------------------|-----------------------------|--------------------|--------------------------|-------------------|
| VM43R         | 630×430×460mm<br>24.80"×16.93"×18.11"  | 800×420mm<br>31.5"×16.54"   | 25~6000 min <sup>-1</sup>   | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 20 tools          |
|               |                                        |                             |                             | 7 / 24 taper No.50 | 11 / 7.5kW<br>15 / 10HP  |                   |
| VM53R         | 1050×530×510mm<br>41.34"×20.87"×20.08" | 1050×560mm<br>41.34"×22.05" | 25~8000 min <sup>-1</sup>   | 7 / 24 taper No.40 | 11 / 7.5kW<br>15 / 10HP  | 30 tools          |
|               |                                        |                             | 25~6000 min <sup>-1</sup>   | 7 / 24 taper No.50 | 15 / 11kW<br>20 / 15HP   |                   |
| VM76R         | 1540×760×660mm<br>60.63"×29.92"×25.98" | 1550×760mm<br>61.02"×29.92" | 100~14000 min <sup>-1</sup> | 7 / 24 taper No.40 | 22 / 18.5kW<br>30 / 25HP | 30 tools          |
|               |                                        |                             | 25~6000 min <sup>-1</sup>   | 7 / 24 taper No.50 | 15 / 11kW<br>20 / 15HP   |                   |
| VM600         | 1300×660×660mm<br>51.18"×25.98"×25.98" | 1400×660mm<br>55.12"×25.98" | 25~4500 min <sup>-1</sup>   | 7 / 24 taper No.50 | 18.5 / 15kW<br>25 / 20HP | 30 tools          |
| VM900         | 2060×940×820mm<br>81.10"×37.01"×32.28" | 2300×940mm<br>90.55"×37.01" | 25~6000 min <sup>-1</sup>   | 7 / 24 taper No.50 | 22 / 18.5kW<br>30 / 25HP | 40 tools          |

VP Series

High speed and high accuracy machining center



VP400  
Hyper Machining Center



VP600  
Hyper Machining Center



VP1200  
Hyper Machining Center

| Machine model | Axis travel (X×Y×Z)                      | Table work surface area             | Spindle speed               | Spindle taper      | Spindle motor            | Magazine capacity |
|---------------|------------------------------------------|-------------------------------------|-----------------------------|--------------------|--------------------------|-------------------|
| VP400         | 600×410×460mm<br>23.62"×16.14"×18.11"    | 900×410mm<br>35.43"×16.14"          | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 20 tools          |
| VP500-2APC    | 600×510×460mm<br>23.62"×20.08"×18.11"    | (pallet) 600×500mm<br>23.62"×19.69" | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 22 / 18.5kW<br>30 / 25HP | 20 tools          |
| VP600         | 1120×610×460mm<br>44.09"×24.02"×18.11"   | 1300×610mm<br>51.18"×24.02"         | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 20 tools          |
| VP9000        | 1120×920×560mm<br>44.09"×36.22"×22.05"   | 1300×920mm<br>51.18"×36.22"         | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP1200        | 1600×1300×460mm<br>62.99"×51.18"×18.11"  | 1600×1300mm<br>62.99"×51.18"        | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP1200-30L    | 3050×1300×460mm<br>120.08"×51.18"×18.11" | 3000×1300mm<br>118.11"×51.18"       | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP1800        | 2200×1800×460mm<br>86.61"×70.87"×18.11"  | 2200×1800mm<br>86.61"×70.87"        | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP2200        | 3050×2200×460mm<br>120.08"×86.61"×18.11" | 3000×2200mm<br>118.11"×86.61"       | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP3100        | 3500×3100×560mm<br>137.8"×122.05"×22.05" | 3600×2750mm<br>141.73"×108.27"      | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |

KCV Series

Wide table allows a wide range of machining from a normal workpiece to a long one. Improved accessibility and operability realized by the use of movable column.



KCV1000  
Vertical Machining Center

| Machine model | Axis travel (X×Y×Z)                                   | Table work surface area       | Spindle speed              | Spindle taper      | Spindle motor          | Magazine capacity |
|---------------|-------------------------------------------------------|-------------------------------|----------------------------|--------------------|------------------------|-------------------|
| KCV800        | 3050×(820+45)×720mm<br>120.08"×(32.28"+1.77")×28.35"  | 3300×820mm<br>129.92"×32.28"  | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP | 30 tools          |
| KCV1000       | 3500×(1020+45)×720mm<br>137.79"×(40.15"+1.77")×28.35" | 3800×1020mm<br>149.60"×40.15" | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP | 30 tools          |

VG13000

The combination of the sturdy bridge structure with large roller guide-ways and robust spindle head delivers high speed and rigid machining.



VG13000-30L  
High Rigid Bridge Type Machining Center

| Machine model | Axis travel (X×Y×Z)                      | Table work surface area       | Spindle speed              | Spindle taper      | Spindle motor                    | Magazine capacity |
|---------------|------------------------------------------|-------------------------------|----------------------------|--------------------|----------------------------------|-------------------|
| VG13000       | 2140×1300×610mm<br>84.25"×51.18"×24.02"  | 2500×1300mm<br>98.43"×51.18"  | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 40 / 30 / 25kW<br>54 / 40 / 34HP | 40 tools          |
| VG13000-30L   | 3050×1300×610mm<br>120.08"×51.18"×24.02" | 3300×1460mm<br>129.92"×57.48" | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 40 / 30 / 25kW<br>54 / 40 / 34HP | 40 tools          |

GC Series

Developed by combining OKK's powerful machining center with grinding function for the purpose of machining highly hard materials and brittle materials. Versatile processing enables high efficiency and high precision in operation.



GC53R  
Grinding Center



VM600GC  
Grinding Center



VP1200GC-30L  
Grinding Center

| Machine model | Axis travel (X×Y×Z)                      | Table work surface area        | Spindle speed               | Spindle taper      | Spindle motor            | Magazine capacity |
|---------------|------------------------------------------|--------------------------------|-----------------------------|--------------------|--------------------------|-------------------|
| GC43R         | 630×430×460mm<br>24.80"×16.93"×18.11"    | 800×420mm<br>31.50"×16.54"     | 100~14000 min <sup>-1</sup> | 7 / 24 taper No.40 | 22 / 18.5kW<br>30 / 25HP | 20 tools          |
| GC53R         | 1050×530×510mm<br>41.34"×20.87"×20.08"   | 1050×560mm<br>41.34"×22.05"    | 100~14000 min <sup>-1</sup> | 7 / 24 taper No.40 | 22 / 18.5kW<br>30 / 25HP | 20 tools          |
| GC76R         | 1540×760×660mm<br>60.63"×29.92"×25.98"   | 1550×760mm<br>61.02"×29.92"    | 100~14000 min <sup>-1</sup> | 7 / 24 taper No.40 | 22 / 18.5kW<br>30 / 25HP | 20 tools          |
| VM600GC       | 1300×660×660mm<br>51.18"×25.98"×25.98"   | 1400×660mm<br>55.12"×25.98"    | 35~12000 min <sup>-1</sup>  | 7 / 24 taper No.40 | 30 / 25kW<br>40 / 34HP   | 30 tools          |
| VP400GC       | 600×410×460mm<br>23.62"×16.14"×18.11"    | 900×410mm<br>35.43"×16.14"     | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 20 tools          |
| VP600GC       | 1120×610×460mm<br>44.09"×24.02"×18.11"   | 1300×610mm<br>51.18"×24.02"    | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 20 tools          |
| VP1200GC      | 1600×1300×460mm<br>62.99"×51.18"×18.11"  | 1600×1300mm<br>62.99"×51.18"   | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP1200GC-30L  | 3050×1300×460mm<br>120.08"×51.18"×18.11" | 3000×1300mm<br>118.11"×51.18"  | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP1800GC      | 2200×1800×460mm<br>86.61"×70.87"×18.11"  | 2200×1800mm<br>86.61"×70.87"   | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP2200GC      | 3050×2200×460mm<br>120.08"×86.61"×18.11" | 3000×2200mm<br>118.11"×86.61"  | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |
| VP3100GC      | 3500×3100×560mm<br>137.8"×122.05"×22.05" | 3600×2750mm<br>141.73"×108.27" | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 40 tools          |

VB53 | Advanced High-quality Parts, Die & Mold Machining  
Compact Vertical Machining Center



| Machine model | Axis travel (X×Y×Z)                    | Table work surface area     | Spindle speed               | Spindle taper                      | Spindle motor          | Magazine capacity |
|---------------|----------------------------------------|-----------------------------|-----------------------------|------------------------------------|------------------------|-------------------|
| VB53          | 1050×530×510mm<br>41.34"×20.87"×20.08" | 1260×600mm<br>49.61"×23.62" | 100~20000 min <sup>-1</sup> | 7 / 24 taper No.40<br>Dual-contact | 15 / 11kW<br>20 / 15HP | 30 tools          |

DC400 | Hyper machining center completes further progress to  
produce high quality machined surfaces!



| Machine model | Axis travel (X×Y×Z)                   | Table work surface area    | Spindle speed               | Spindle taper | Spindle motor            | Magazine capacity |
|---------------|---------------------------------------|----------------------------|-----------------------------|---------------|--------------------------|-------------------|
| DC400         | 600×410×360mm<br>23.62"×16.14"×14.17" | 800×410mm<br>31.50"×16.14" | 200~20000 min <sup>-1</sup> | HSK-A63       | 22 / 18.5kW<br>30 / 25HP | 20 tools          |

VC51 | High-Performance Compact Machine  
High cutting capacity in a compact machine



| Machine model | Axis travel (X×Y×Z)                   | Table work surface area    | Spindle speed               | Spindle taper      | Spindle motor          | Magazine capacity |
|---------------|---------------------------------------|----------------------------|-----------------------------|--------------------|------------------------|-------------------|
| VC51          | 720×510×460mm<br>28.35"×20.08"×18.11" | 850×510mm<br>33.46"×20.08" | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 15 / 11kW<br>20 / 15HP | 20 tools          |

GR400 | High-speed and High-accuracy  
Graphite Machining Center



| Machine model | Axis travel (X×Y×Z)                   | Table work surface area    | Spindle speed               | Spindle taper      | Spindle motor           | Magazine capacity |
|---------------|---------------------------------------|----------------------------|-----------------------------|--------------------|-------------------------|-------------------|
| GR400         | 580×410×360mm<br>22.83"×16.14"×14.17" | 800×410mm<br>31.50"×16.14" | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP | 20 tools          |



HMC400

This high-speed machine features the strongest structural rigidity in it's class and attains a rapid feed rate of 63m/min (2480ipm) with a 1G acceleration.



HMC400  
Horizontal Machining Center

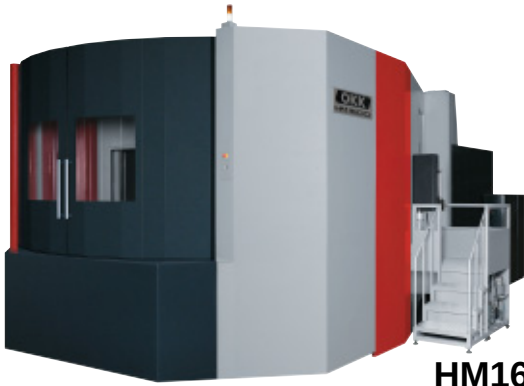
| Machine model | Axis travel (X×Y×Z)                   | Table work surface area | Spindle speed               | Spindle taper      | Spindle motor                     | Magazine capacity |
|---------------|---------------------------------------|-------------------------|-----------------------------|--------------------|-----------------------------------|-------------------|
| HMC400        | 560×560×690mm<br>22.05"×22.05"×22.17" | 400mm<br>15.75"         | 100~15000 min <sup>-1</sup> | 7 / 24 taper No.40 | 37/ 26 / 18.5kW<br>50 / 35 / 25HP | 40 tools          |

HM Series

Cost-effective horizontal machining center with unmatched basic performance of speed, accuracy, power and rigidity.



HM5000  
Horizontal Machining Center

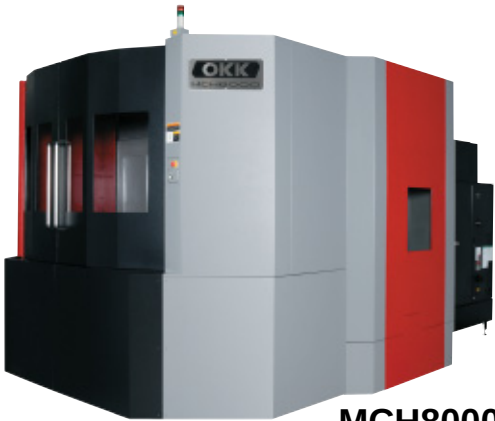


HM1600  
Horizontal Machining Center

| Machine model | Axis travel (X×Y×Z)                                                                     | Table work surface area      | Spindle speed              | Spindle taper      | Spindle motor                    | Magazine capacity |
|---------------|-----------------------------------------------------------------------------------------|------------------------------|----------------------------|--------------------|----------------------------------|-------------------|
| HM400/40      | 630×620×710mm<br>24.80"×24.41"×27.95"                                                   | 400mm<br>15.75"              | 35~10000 min <sup>-1</sup> | 7 / 24 taper No.40 | 37 / 26 / 22kW<br>50 / 35 / 30HP | 40 tools          |
| HM400/50      | 630×620×710mm<br>24.80"×24.41"×27.95"                                                   | 400mm<br>15.75"              | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM500S/40     | 630×620×710mm<br>24.80"×24.41"×27.95"                                                   | 500mm<br>19.69"              | 35~10000 min <sup>-1</sup> | 7 / 24 taper No.40 | 37 / 26 / 22kW<br>50 / 35 / 30HP | 40 tools          |
| HM500S/50     | 630×620×710mm<br>24.80"×24.41"×27.95"                                                   | 500mm<br>19.69"              | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM5000        | 800×750×880mm<br>31.50"×29.53"×34.65"                                                   | 500mm<br>19.69"              | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM6300S       | 800×750×880mm<br>31.50"×29.53"×34.65"                                                   | 630mm<br>24.80"              | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM630         | 1050×900×900mm<br>41.34"×35.43"×35.43"                                                  | 630mm<br>24.80"              | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM800S        | 1050×900×880mm<br>41.34"×35.43"×34.65"                                                  | 800mm<br>31.50"              | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM800         | 1400×1100×1050mm<br>55.12"×43.31"×41.34"                                                | 800mm<br>31.50"              | 35~8000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM1000S       | 1400×1100×1000mm<br>55.12"×43.31"×39.37"                                                | 1000mm<br>39.37"             | 35~8000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM1000        | 1700×1400×1400mm<br>66.93"×55.12"×55.12"                                                | 1000mm<br>39.37"             | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM1250S       | 1700×1400×1240mm<br>66.93"×55.12"×48.82"                                                | 1250mm<br>49.21"             | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| HM1600        | 12000-min <sup>-1</sup> MS spindle<br>2400×1650×1750mm<br>94.49"×64.96"×68.90"          | 1600×1250mm<br>62.99"×49.21" | 35~12000 min <sup>-1</sup> | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 60 tools          |
|               | 8000-min <sup>-1</sup> gear spindle<br>2400×1650×1750mm<br>94.49"×64.96"×68.90"         | 1600×1250mm<br>62.99"×49.21" | 20~8000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 18.5 / 15kW<br>25 / 20HP         | 60 tools          |
|               | 4000-min <sup>-1</sup> two position spindle<br>2400×1650×1750mm<br>94.49"×64.96"×68.90" | 1600×1250mm<br>62.99"×49.21" | 20~4000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 18.5 / 15kW<br>25 / 20HP         | 60 tools          |

MCH Series

Highly efficient machine targeting high speed, high accuracy and high rigidity. Ultra heavy-duty cutting by heavy-duty Box way construction.



MCH8000  
Horizontal Machining Center



MCH10000  
Horizontal Machining Center

| Machine model | Axis travel (X×Y×Z)                      | Table work surface area | Spindle speed             | Spindle taper      | Spindle motor            | Magazine capacity |
|---------------|------------------------------------------|-------------------------|---------------------------|--------------------|--------------------------|-------------------|
| MCH600        | 1020×850×880mm<br>40.16"×33.46"×34.65"   | 630mm<br>24.80"         | 30~4500 min <sup>-1</sup> | 7 / 24 taper No.50 | 18.5 / 15kW<br>25 / 20HP | 43 tools          |
| MCH8000       | 1300×1200×1200mm<br>51.18"×47.24"×47.24" | 800mm<br>31.50"         | 20~4500 min <sup>-1</sup> | 7 / 24 taper No.50 | 18.5 / 15kW<br>25 / 20HP | 60 tools          |
| MCH10000      | 1600×1270×1200mm<br>62.99"×50.00"×47.24" | 1000mm<br>39.37"        | 20~4500 min <sup>-1</sup> | 7 / 24 taper No.50 | 22 / 18.5kW<br>30 / 25HP | 60 tools          |

HPM40 Series

High-speed and High-efficiency machining for aluminium auto mobile parts. The rich bed form can accept any plant lines.



HPM40 TYPE B  
Horizontal Machining Center

PM Series

Line adaptive high-production machine supported by long experience and numerous delivery records.Flexible specification can accept any type of workpieces and plant lines.



PM400III  
Horizontal Machining Center

| Machine model | Axis travel (X×Y×Z)                   | Table work surface area | Spindle speed               | Spindle taper      | Spindle motor            | Magazine capacity |
|---------------|---------------------------------------|-------------------------|-----------------------------|--------------------|--------------------------|-------------------|
| HPM40 TYPE A  | 600×600×500mm<br>23.62"×23.62"×19.69" | 400mm<br>15.75"         | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP  | 24 tools          |
| HPM40 TYPE B  | 600×500×500mm<br>23.62"×19.69"×19.69" | 400mm<br>15.75"         | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 18.5 / 11kW<br>25 / 10HP | 24 tools          |
| PM400III      | 500×500×500mm<br>19.69"×19.69"×19.69" | 400mm<br>15.75"         | 100~14000 min <sup>-1</sup> | 7 / 24 taper No.40 | 22 / 18.5kW<br>30 / 25HP | 20 tools          |
| PM500         | 650×600×600mm<br>25.59"×23.62"×23.62" | 500mm<br>19.69"         | 35~6000 min <sup>-1</sup>   | 7 / 24 taper No.50 | 22 / 18.5kW<br>30 / 25HP | 30 tools          |

5AX Series

Realizes intensive processing. Realizes efficient machining of complicated 3-dimensional shape products. Selectable from three types of 5-axis specification machines according to the type of workpiece.

5 Axis Horizontal Machining Center



HM-X6000  
Horizontal Machining Center

Highly Rigid 5-axis Vertical Machining Center



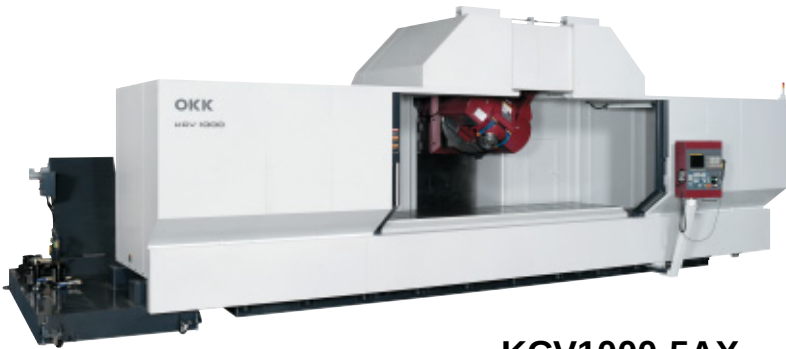
VG5000  
Vertical Machining Center

Largest Loading Capacity in its Class



VP9000-5AX  
Vertical Machining Center

Swiveling and Tilting Spindle Structure



KCV1000-5AX  
Vertical Machining Center

| Machine model | Axis travel (X×Y×Z)                      | Additional axis travel  | Table work surface area       | Spindle speed               | Spindle taper      | Spindle motor                    | Magazine capacity |
|---------------|------------------------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|----------------------------------|-------------------|
| HM-X6000      | 1050×900×820mm<br>41.34"×35.43"×32.28"   | A: -110~+20° B: 360°    | 600mm<br>23.62"               | 35~12000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 30 / 25kW<br>40 / 34HP           | 40 tools          |
| VG5000        | 760×900×610mm<br>29.92"×35.43"×24.02"    | A: -120~+30° C: 360°    | 500mm<br>19.69"               | 35~12000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 40 / 30 / 25kW<br>54 / 40 / 34HP | 40 tools          |
| VP9000-5AX    | 820×1020×560mm<br>32.28"×40.16"×22.05"   | A: -120~+30° C: 360°    | φ800×630mm<br>φ31.5"×24.8"    | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40 | 7.5 / 5.5kW<br>10 / 7HP          | 40 tools          |
| KCV800-5AX    | 3050×820×720mm<br>120.08"×32.28"×28.35"  | A: -35~+35° B: -35~+35° | 3300×820mm<br>129.92"×32.28"  | 35~12000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 45 / 37kW<br>60 / 50HP           | 30 tools          |
| KCV1000-5AX   | 3500×1020×720mm<br>137.79"×40.15"×28.35" | A: -35~+35° B: -35~+35° | 3800×1020mm<br>149.61"×40.15" | 35~12000 min <sup>-1</sup>  | 7 / 24 taper No.50 | 45 / 37kW<br>60 / 50HP           | 30 tools          |

Compact 5-axis Machining Center



VC-X350  
Vertical Machining Center



VC-X500  
Vertical Machining Center

5-axis Machining Center for Blade

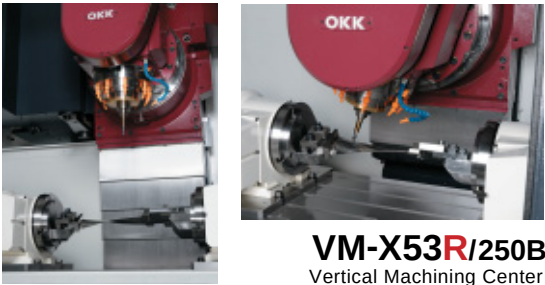


Tilting Spindle and NC Rotary Table Structure



VM900DS-5AX  
Vertical Blade Center

※ Machine photograph includes optional accessories.



VM-X53R/250B  
Vertical Machining Center

| Machine model | Axis travel (X×Y×Z)                    | Additional axis travel | Table work surface area     | Spindle speed               | Spindle taper                      | Spindle motor            | Magazine capacity |
|---------------|----------------------------------------|------------------------|-----------------------------|-----------------------------|------------------------------------|--------------------------|-------------------|
| VC-X350       | 600×430×460mm<br>23.62"×16.93"×18.11"  | A: -120~+30° C: 360°   | φ350mm<br>φ13.78"           | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40                 | 7.5 / 5.5kW<br>10 / 7HP  | 20 tools          |
| VC-X500       | 700×850×610mm<br>27.56"×33.46"×24.02"  | A: -120~+30° C: 360°   | 500mm<br>19.69"             | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40<br>Dual-contact | 22 / 18.5kW<br>30 / 25HP | 40 tools          |
| VM-X53R       | 630×320×510mm<br>24.80"×12.60"×20.08"  | A: 360° B: -90~+90°    | 1260×560mm<br>49.61"×22.05" | 100~12000 min <sup>-1</sup> | 7 / 24 taper No.40<br>Dual-contact | 7.5 / 5.5kW<br>10 / 7HP  | 30 tools          |
| MVC560DS-5AX  | 1050×560×560mm<br>41.34"×22.05"×22.05" | A: -20~+30° C: 360°    | 1300×570mm<br>51.18"×22.44" | 35~8000 min <sup>-1</sup>   | 7 / 24 taper No.50                 | 22 / 18.5kW<br>30 / 25HP | 30 tools×2        |
| VM900DS-5AX   | 1640×940×820mm<br>64.57"×37.01"×32.28" | A: -30~+30° C: 360°    | 2000×900mm<br>78.74"×35.43" | 35~8000 min <sup>-1</sup>   | 7 / 24 taper No.50                 | 22 / 18.5kW<br>30 / 25HP | 40 tools×2        |

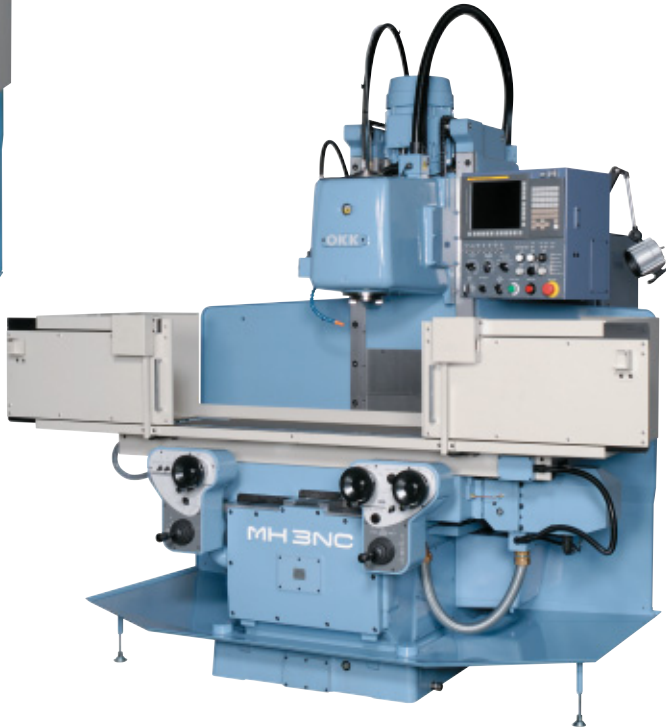


MH NC Series

Added to a general-purpose bed type milling machine, a function that enables any operator to get skillful diagonal cutting and circular cutting with ease. Powerful heavy-duty cutting is available on the machine having a basic structure common to the general-purpose bed type milling machine more than 15000 of which have already been delivered to customers.



MH2NCP  
Horizontal NC Milling Machine



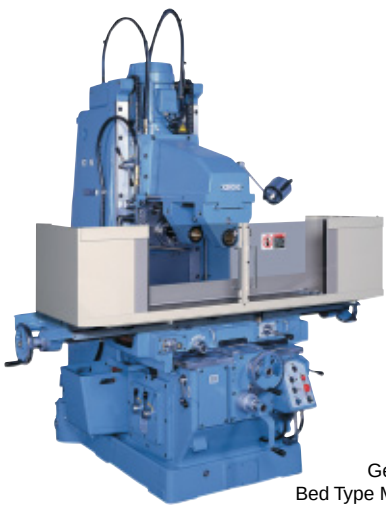
MH3NCP  
Vertical NC Milling Machine

※ Large manual handle 3-axis is optional accessory.

| Machine model | Axis travel (X×Y×Z)                   | Table work surface area     | Spindle speed             | Spindle taper      | Spindle motor       |
|---------------|---------------------------------------|-----------------------------|---------------------------|--------------------|---------------------|
| MH2NCP/2NCP   | 720×300×450mm<br>28.35"×11.81"×17.72" | 1310×300mm<br>51.57"×11.81" | 60~1800 min <sup>-1</sup> | 7 / 24 taper No.50 | 3.7kW×4P<br>5HP×4P  |
| MH3NCP/3NCP   | 920×380×450mm<br>36.22"×14.96"×17.72" | 1650×380mm<br>64.96"×14.96" | 45~1600 min <sup>-1</sup> | 7 / 24 taper No.50 | 7.5kW×4P<br>10HP×4P |

MH Series

General-purpose bed type milling machine which can be a basis of OKK machines. Stable and prolonged high accuracy and powerful heavy-duty cutting is enabled by the use of casting materials produced by the original casting technologies. Bed shape of the machine particularly suits for milling heavy workpieces.



MH3P  
General-purpose  
Bed Type Milling Machine



MH3V  
General-purpose  
Bed Type Milling Machine

| Machine model | Axis travel (X×Y×Z)                   | Table work surface area     | Spindle speed             | Spindle taper      | Spindle motor       |
|---------------|---------------------------------------|-----------------------------|---------------------------|--------------------|---------------------|
| MH2V/2P       | 720×260×450mm<br>28.35"×10.24"×17.72" | 1310×300mm<br>51.57"×11.81" | 60~1800 min <sup>-1</sup> | 7 / 24 taper No.50 | 3.7kW×4P<br>5HP×4P  |
| MH3V/3P       | 920×350×450mm<br>36.22"×13.78"×17.72" | 1650×380mm<br>64.96"×14.96" | 45~1600 min <sup>-1</sup> | 7 / 24 taper No.50 | 7.5kW×4P<br>10HP×4P |

HA400

Milling the hard-to-cut materials such as stainless steel, INCONEL and titanium and use of the large-diameter side cutter require high torque at the low rotation speed and the machine and spindle that are durable for it. OKK launches HA400 as a solution machine for the current trend.



※ Console type operation panel is optional accessory.

| Machine model | Axis travel (X×Y×Z)                    | Table work surface area     | Spindle speed             | Spindle taper      | Spindle motor            |
|---------------|----------------------------------------|-----------------------------|---------------------------|--------------------|--------------------------|
| HA400         | 1100×500×420mm<br>43.31"×19.69"×16.54" | 2000×450mm<br>78.74"×17.72" | 17~1350 min <sup>-1</sup> | 7 / 24 taper No.50 | 18.5 / 15kW<br>25 / 20HP |