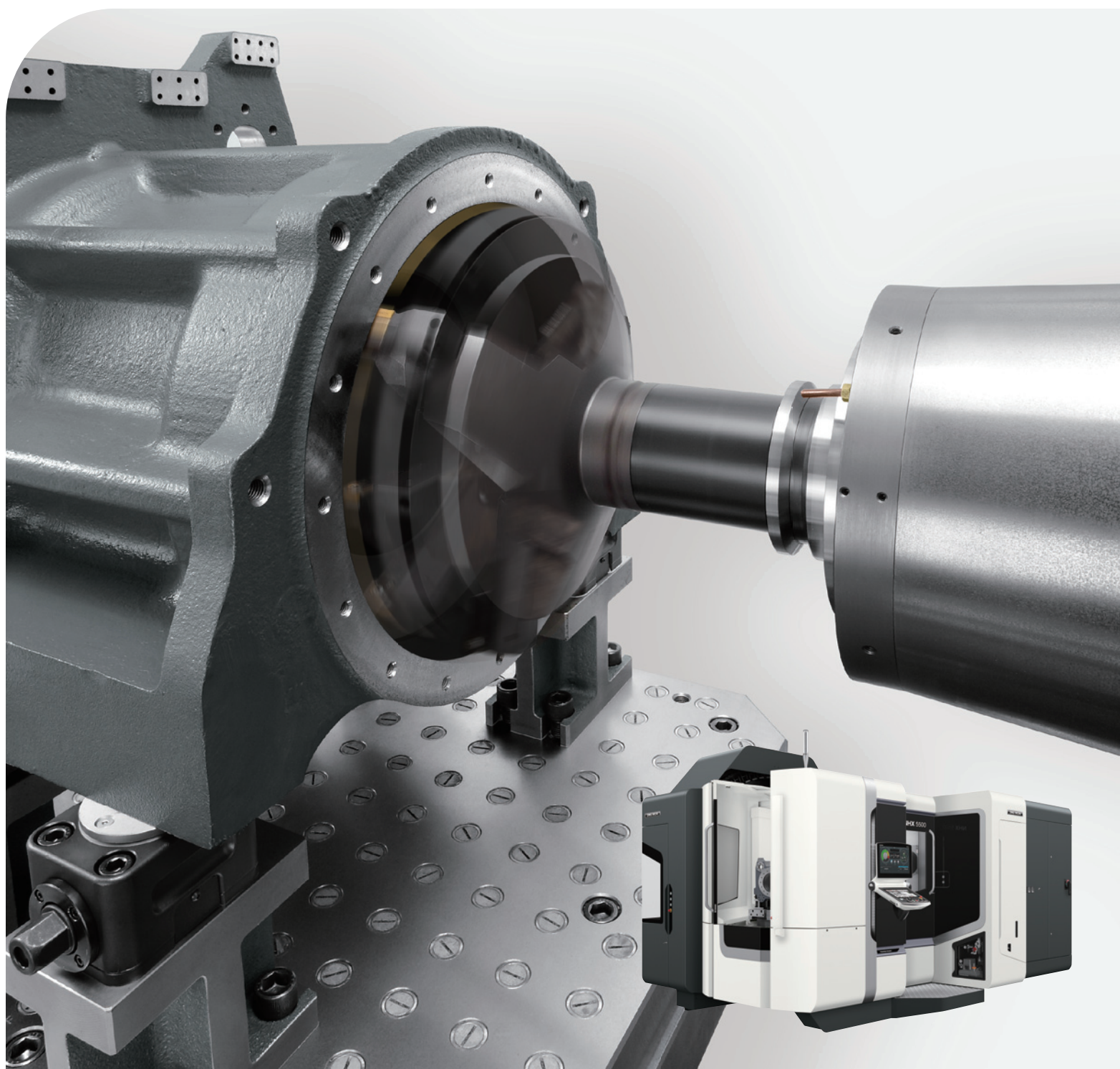


High-Precision, High-Speed Horizontal Machining Center

NHX 5500

NHX 6300

NHX 5500 / NHX 6300

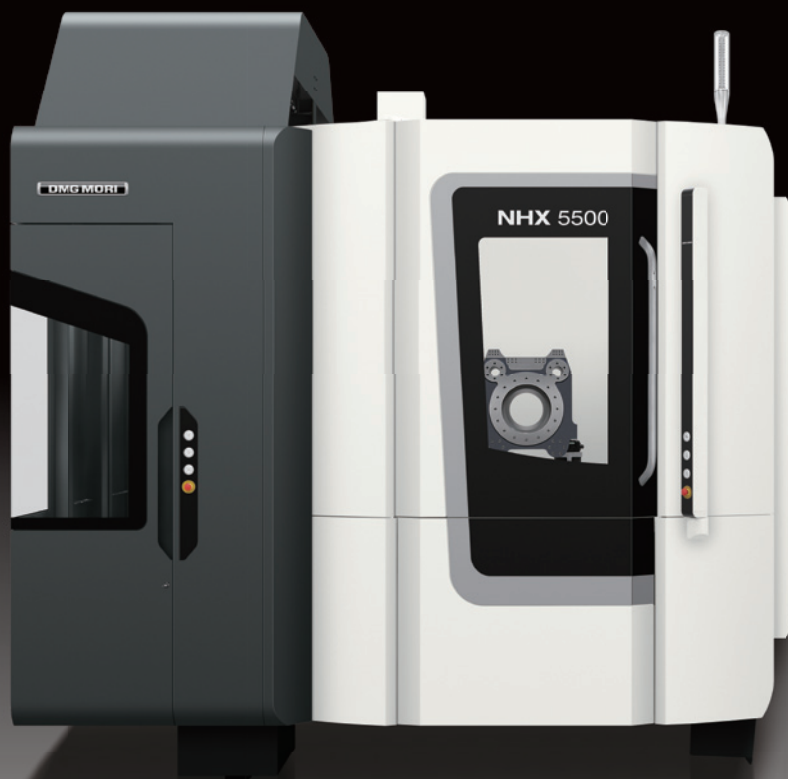


The Best Horizontal Machining Center NHX 5500 and NHX 6300 Coming with the New DMG MORI Design

The NHX 5500 and NHX 6300, which features unparalleled rigidity and durability, has further evolved by incorporating CELOS, a touch screen user interface with process-oriented applications.

The new, ergonomically designed machine cover offers greater user-friendliness.

The new NHX 5500 and new NHX 6300 meet each and every customer's machining requirements with its high accuracy, high quality and high reliability.



● The photo shows the NHX 5500.

Main features

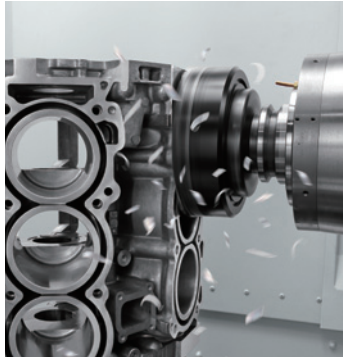
Basic structure

Feature



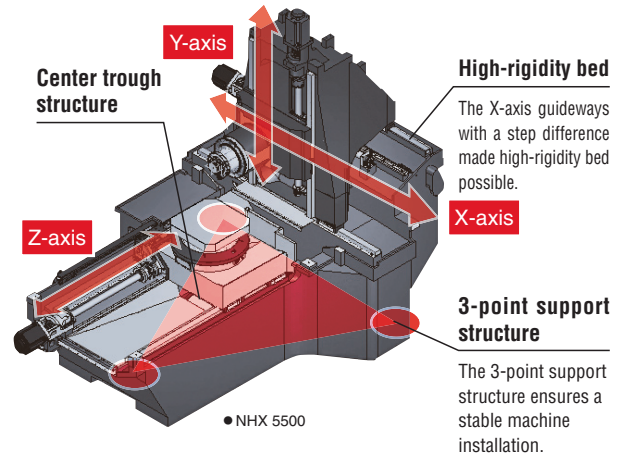
Up to 38% increase in machine rigidity (NHX 5500)

Machine designed specifically for No. 50 taper spindle



The machine structures of the NHX 5500 and NHX 6300 have been designed exclusively for the No. 50 taper spindle to fully exploit its abilities. This realizes high rigidity required for heavy-duty cutting.

● The photo shows the NHX 5500.



Feature



Rapid traverse rate increased by 20%

Rapid traverse rate <X, Y and Z axes>

Previous model

NHX 5500/NHX 6300

50 m/min → **60 m/min** **20% UP**
(1,968.5 ipm) (2,362.2 ipm)

Cutting feedrate <X, Y and Z axes>

Previous model

NHX 5500/NHX 6300

50 m/min → **60 m/min** **20% UP**
(1,968.5 ipm) (2,362.2 ipm)

(when using high-precision control
<look-ahead control>)

Max. acceleration <X/Y/Z axes>

NHX 5500

0.73/0.80/0.93 G
{7.2/7.8/9.1 m/s² (23.6/25.6/29.9 ft/s²)}

NHX 6300

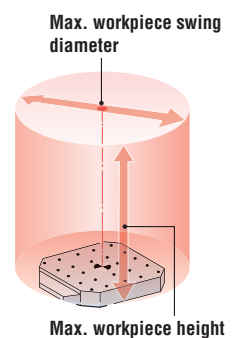
0.64/0.93/0.70 G
{6.3/9.1/6.9 m/s² (20.7/29.9/22.6 ft/s²)}

Working area

Machine type	Max. workpiece height	Max. workpiece swing diameter	Pallet loading capacity
NHX 5500	Previous model 1,000 mm (39.3 in.)	800 mm (31.4 in.)	500 kg (1,100 lb.) [700 kg (1,540 lb.)]
	NHX 5500 1,100 mm* (43.3 in.) 10% UP		
NHX 6300	1,300 mm (51.1 in.)	1,050 mm (41.3 in.)	1,500 kg (3,300 lb.)

* LPP specifications: either 1,000 mm (39.3 in.) or 1,100 mm (43.3 in.) can be selected

[] Option



Spindle

Feature



Large spindle bearing I.D. + compact spindle O.D.

The spindle has been optimized through structural analysis; the spindle bearing I.D. was increased to achieve high rigidity, while the spindle O.D. was reduced to offer better access to the workpiece and fixtures. The spindle drive uses DDS (Direct Drive Spindle) motor gearless technology to bring out its full power at all speeds.

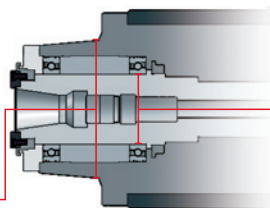
Compact spindle O.D.

Previous model
 ϕ 250 mm (ϕ 9.8 in.)

NHX 5500/NHX 6300

ϕ 235 mm (ϕ 9.3 in.)

6% DOWN



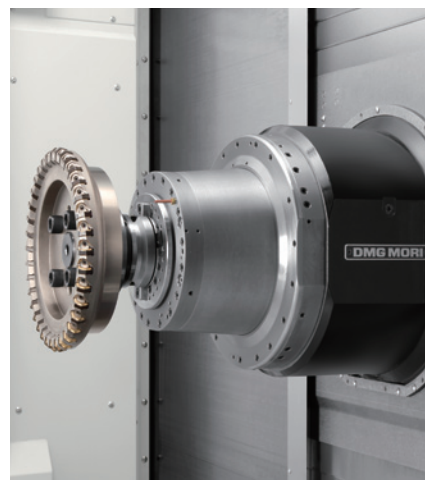
Spindle bearings with the largest inner diameter in the class

Previous model
 ϕ 100 mm (ϕ 3.9 in.)

NHX 5500/NHX 6300

ϕ 120 mm (ϕ 4.7 in.)

20% UP



• The photo shows the NHX 6300.

Feature



Spindle with point-symmetric structure

Spindle bearings with larger inner diameters are used to improve rigidity. The spindle drive uses DDS (Direct Drive Spindle) motor gearless technology to bring out its full power at all speeds.

Feature



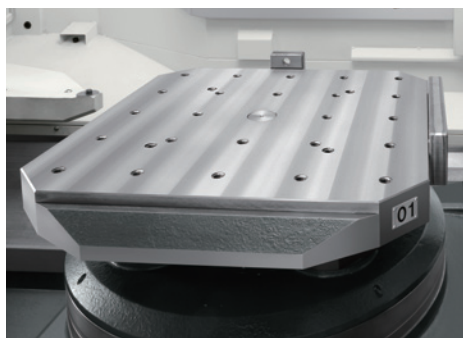
Sophisticated spindle labyrinth

We have enhanced the labyrinth structure by taking the frequent use of high-pressure coolant into account. The new structure prevents the infiltration of coolant into the spindle and improves spindle durability.

Spindle variations	NHX 5500			NHX 6300		
	Standard	High torque OP	High speed OP	Standard	High torque OP	High speed OP
Max. spindle speed	8,000 min ⁻¹	8,000 min ⁻¹	15,000 min ⁻¹	8,000 min ⁻¹	8,000 min ⁻¹	15,000 min ⁻¹
Spindle drive motor <30 min/cont>	30/22 kW (40/30 HP)	30/25 kW (40/33.3 HP)	30/25 kW (40/33.3 HP)	30/25 kW (40/33.3 HP)	37/30 kW (50/40 HP)	30/25 kW (40/33.3 HP)

Table

A one-degree indexing table is standard, and a full indexing table equipped with DDM (Direct Drive Motor) is available as an option. These have significant advantages for machining of workpieces that require high speed and high positioning accuracy.



• The photo shows the NHX 6300.

Selection of tables

Table type	1° indexing table	Full 4th axis rotary table DDM OP
Minimum pallet indexing angle	1°	0.001°
Pallet indexing time (90°) <including clamping and unclamping time>	Previous model 1.57 sec. → NHX 5500 1.30 sec. [1.45 sec.*] Approx. Reduced by 17%	NHX 5500 1.54 sec.
	Previous model 2.0 sec. → NHX 6300 1.48 sec. Reduced by 26%	NHX 6300 2.09 sec.

* Pallet loading capacity 700 kg (1,540 lb.).

[] Option

Main features

Magazine



60 tools specifications (ring type)

● The photo shows the NHX 6300.

A high-speed indexing, ring type magazine (60-tool specifications) is installed on the machine as standard. Ring type, chain type, and rack type magazines are available, so you can choose the one that best suits your production needs.

Tool storage capacity

Ring-type

60 tools*

Chain-type

100 tools OP

120 tools OP

Rack-type

180 tools OP **240** tools OP

330 tools OP

* The 60-tool specification (ring-type magazine) cannot be selected with the RPP, CPP and LPP specifications.

Machine type	Max. tool length	Max. tool mass	Max. tool diameter	
			Without adjacent tools	With adjacent tools
NHX 5500	Previous model 500 mm (19.6 in.)	30 kg (66 lb.)	Previous model 300 mm (11.8 in.)	110 mm (4.3 in.)
	NHX 5500 550 mm (21.6 in.) 10% UP		NHX 5500 320 mm (12.5 in.) Approx. 7% UP	
NHX 6300	630 mm (24.8 in.)		320 mm (12.5 in.)	

● The maximum tool diameter is limited to 255 mm (10.0 in.) or less when using the spindle at 10,000 min⁻¹ or higher.

High-precision equipment



Direct scale feedback as standard



Resolution
0.01 μm

Magnescale

High accuracy absolute scale

An absolute magnetic linear scale (full closed-loop control) made by Magnescale is equipped as standard to offer high-precision positioning.

- High accuracy, high resolution
- Greater accuracy than optical scale
- Highly resistant to condensation and oil
- Vibration and impact resistant characteristics

Coolant cooling system

OP

Raised coolant temperature causes thermal displacement in the fixtures and workpiece, affecting the machining accuracy of the workpiece. Use this unit to prevent the coolant from heating up. When using oil-based coolant, the coolant temperature can become extremely high even with the standard coolant pump, so please be sure to select this unit.

- Machining with required accuracy of less than 20 μm
- High-precision machining that requires a large amount of high-pressure coolant
- Machining that requires oil-based coolant

● While this unit is not the only way to completely control the temperature of the coolant, it makes a major contribution to preventing increases in the oil temperature.

Peripheral equipment

Chip conveyor outside machine (rear discharge, drum filter type)

The high-performance external chip conveyor can discharge both long and short chips on one unit with its filter backwashing structure and excellent chip disposal capacity.



- Regardless of shapes or materials, any types of chips including long/short chips can be transferred on one conveyor.
- Suitable for discharging various types of chips on multi-axis machines.
- Regardless of water-soluble or water-insoluble, any types of coolant can be used.

Depth of tank
400 mm
(15.7 in.)

Coolant tank capacity

Previous model

680 L
(179.5 gal.)

NHX 5500

800 L
(211.2 gal.)

Approx. 18%UP

Previous model

930 L
(245.5 gal.)

NHX 6300

1,085 L
(286.4 gal.)

Approx. 17%UP

● The photo shows the NHX 6300.

◎: Ideal ○: Suitable

Specifications	Workpiece material and chip size						
	Steel			Cast iron	Aluminum/non-ferrous metal		
	Long	Short	Powdery	Short	Long	Short	Powdery
Rear discharge, drum filter type	○	◎	○	○	○	◎	○

● Chip size guidelines

Short: chips 50 mm (2.0 in.) or less in length, bundles of chips ϕ 40 mm (ϕ 1.6 in.) or less
Long: bigger than the above

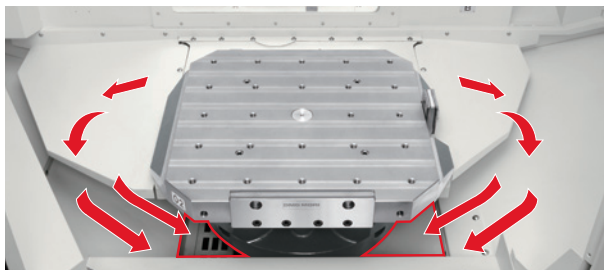
● The options table shows the general options when using coolant. Changes may be necessary if you are not using coolant, or depending on the amount of coolant, compatibility with machines, or the specifications required.

● Please select a chip conveyor to suit the shape of your chips. When using special or difficult-to-cut material (chip hardness HRC45 or higher), please consult with our sales representative.

● Chip conveyors are available in various types for handling chips of different shape and material. For details, please consult with our sales representative.

Chip disposal groove (setup station)

A chip disposal groove is also included on the setup station.



● The photo shows the NHX 6300.

Chip disposal groove

Shower coolant

As well as preventing chips from scattering during machining, this allows them to fall smoothly into the center conveyor.



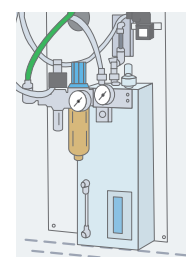
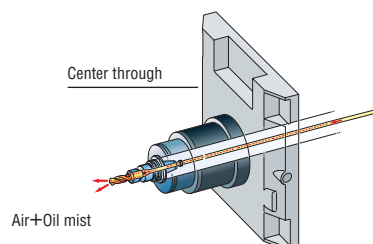
● When using shower coolant, it is used at the same time as spindle coolant.

● The photo shows the NHX 6300.

Semi dry unit

OP Consultation is required

Supplies air and oil mist to the cutting tip. An environmentally friendly device which reduces oil consumption. We recommend using this unit together with a mist collector.



Misting device

Transfer systems OP

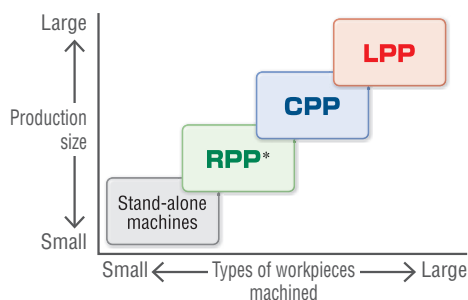
Feature



The versatile systems resolve production issues.

An optimum transfer system for your production needs can be selected for NHX 5500 and NHX 6300.

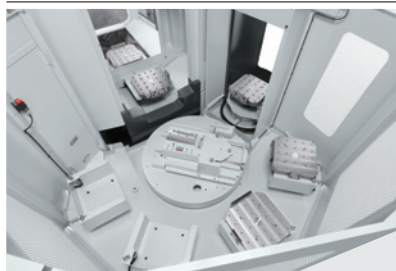
■ Characteristics of each system



■ Key points when selecting a system

	RPP*	CPP	LPP
Number of machines	1 unit	Up to 4 units	Up to 8 units
Number of workpiece setup stations	1 station	Up to 2 stations	Up to 5 stations
Number of pallet stations	4 stations	Up to 29 stations	Up to 99 stations
Number of pallet shelves	1 level	1 level	2 levels

RPP system (Round Pallet Pool System)*



This system features outstanding space savings and setup capabilities, and can hold more pallets per unit area than any other pallet pool system.

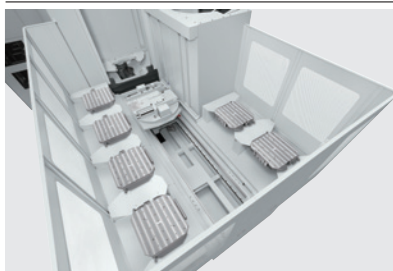


NHX 4000

Controller
(MCCPS IV)

- * NHX 5500 only.
- The 60-tool specification (ring-type magazine) cannot be selected with the RPP, CPP and LPP specifications.
- Please contact our sales representative for details.

CPP system (Carrier Pallet Pool System)



With its simple construction provided in predefined packages, this system is easy to introduce. For the system configuration, the customer can select from 8 packages to provide the optimum specifications for their needs.

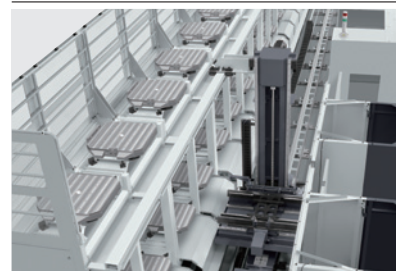


NHX 6300

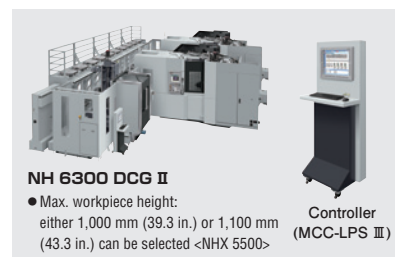
Handy controller

- MCC-LPS III is available as an option.

LPP system (Linear Pallet Pool System)



It is a system with a high level of automation, equipped with multi-level pallet racks. The system construction can also be customized however you wish, achieving the optimum productivity and operation rate.



NH 6300 DCG II

- Max. workpiece height: either 1,000 mm (39.3 in.) or 1,100 mm (43.3 in.) can be selected <NHX 5500>

Controller
(MCC-LPS III)

The NHX Series machine can be incorporated into your existing CPP or LPP system for the NH Series machine.

Applications

Linear Pallet Pool Control System

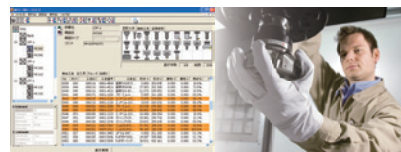
MCC-LPS III



- DMG MORI's original, highly reliable system allows easy operation/management of the pallet transfer system.
- Machining programs can be managed and automatically downloaded.
- Urgent production requests will be flexibly prioritized.

The Tool Management System

MCC-TMS



- Improves the system operating rate through highly efficient, centralized tool management.
- Compatible with ID chips.
- Compatible with tool presetter interface.



- MCC-LPS III is installed in the specialized cell controller and MCC-TMS can be installed in the controller and your PC.

From the idea to the finished product

Simplifies every process from the idea to the finished product to facilitate operations.

- ▶ A wide variety of pre-installed applications
- ▶ 21.5" and 15.6" dual wide monitor
- ▶ New operating comfort with touch monitors

CELOS STATUS MONITOR

Here CELOS visualises the current condition of the machine regarding the process, provides important key figures about the current order and order progress and informs the operator with special icons and text messages about possible NC errors or imminent maintenance work

21.5"

ERGOline® control panel with multi-touch monitor

Infinitely variable adjustment of the screen and the keyboard

MULTI-TOUCH-CONTROL PANEL

The combination of advanced software and hardware enables excellent usability and distinctive functionality.

SMARTkey®

Customised user authorisation. Individually adapted access privileges to the control system and the machine.
NEW // with internal USB memory

Keys for the selection of operating mode

CELOS with 21.5" ERGOline Touch®

Release button for machine functions in operating mode

COMPATIBLE

Compatible with PPS and ERP systems.
Can be networked with CAD / CAM products.
Open to trendsetting CELOS APP extensions.

UNIFORM

Uniform, intuitive user interface for all high-tech machines from DMG MORI.

CONSISTENT

Consistent administration, documentation and visualisation of order, process and machine data.

CELOS APPs simplify fast and easy operation

CELOS –APP MENU: Central access to all available applications.

CELOS supports the user in daily practice with a process-oriented menu structure. Thanks to the touch functionality of the user gets to the “APP MENU” with one single touch. Similar to a smart phone or tablet PC, the user has got direct access to all available APPs, which are differentiated according to their application field and can be selected with a single touch via the “APP MENU”. For instance, CELOS APPs like the “JOB MANAGER” or “JOB ASSISTANT” support machine operators with the network-integrated preparation, optimisation and systematic processing of production orders (with workpieces, equipment and NC programmes).



WORKSHOP OF THE FUTURE

With its open structure and integration ability, CELOS offers unique opportunities for the expansion of functionality with targeted applications.

Systematic planning, administration and preparation of orders

- > Machine-related creation and configuration of new orders
- > Structured saving of all production-related data and documents
- > Visualisation of orders, including NC programme, equipment, etc.



Choosing and processing orders

- > Menu-guided set-up of the machine and processing of production orders in the dialogue
- > Reliable error prevention thanks to work instructions with binding check list



Visualise workpieces and optimise programme data

- > Direct remote access to external CAD / CAM workstations
- > Central master data as basis for component visualisation
- > Immediate change options for machining steps, NC programmes and CAM strategies, directly in the control system

Machine specifications (NHX 5500)

Item			NHX 5500
Travel	X-axis travel <longitudinal movement of saddle>	mm (in.)	800 (31.5)
	Y-axis travel <vertical movement of spindle head>	mm (in.)	800 (31.5)
	Z-axis travel <cross movement of pallet>	mm (in.)	880 (34.6)
	Distance from pallet surface to spindle center	mm (in.)	100—900 (3.9—35.4)
	Distance from pallet center to spindle gauge plane	mm (in.)	70—950 (2.8—37.4)
Pallet	Distance from floor surface to pallet surface	mm (in.)	1,200 (47.2)
	Pallet working surface	mm (in.)	500×500 (19.7×19.7)
	Pallet loading capacity	kg (lb.)	500 (1,100) [700 (1,540)]
	Max. workpiece swing diameter	mm (in.)	800 (31.4)
	Max. workpiece height	mm (in.)	1,100 (43.3) [Either 1,000 (39.3) or 1,100 (43.3) can be selected <LPP specifications>]
	Pallet surface configuration		M16 (1/2-13 UNC) Tap: 24 holes Pitch 100 mm (4 in.)
	Minimum pallet indexing angle		1° [0.001° <full 4th axis rotary table>]
	Pallet indexing time <including clamping and unclamping time> (90°)	s	1.30 [1.45 <max. loading capacity 700 kg (1,540 lb.)>] <1° indexing> [1.54 <full 4th axis rotary table>]
	Max. spindle speed	min ⁻¹	8,000 [8,000 <high torque>] [15,000 <high speed>]
	Number of spindle speed ranges		2
Spindle	Type of spindle taper hole		No. 50
	Spindle bearing inner diameter	mm (in.)	120 (4.7)
	Rapid traverse rate	mm/min (ipm)	X, Y, Z: 60,000 (2,362.2)
Feedrate	Cutting feedrate	mm/min (ipm)	0—60,000 (0—2,362.2) (when using high-precision control <look-ahead control>)
	Jog feedrate	mm/min (ipm)	0—5,000 (0—197.0) <20 steps>
ATC	Type of tool shank		BT50 [CAT50] [DIN50] [HSK-A100] <When the two-face contact specification is selected, a two-face contact tool and other tools cannot be used together>
	Type of retention knob		DMG MORI SEIKI 90° type [45° (MAS-I)] [60° (MAS-II)] [CAT] [DIN]
	Tool storage capacity		Ring-type: 60 Chain-type: [100] [120] Rack-type: [180] [240] [330] (The 60-tool specification <ring-type magazine> cannot be selected with the RPP, CPP and LPP specifications)
	Max. tool diameter <with adjacent tools>	mm (in.)	110 (4.3)
	Max. tool diameter <without adjacent tools>	mm (in.)	320 (12.5): Ring-type
	Max. tool length	mm (in.)	550 (21.6)
	Max. tool mass	kg (lb.)	30 (66)
	Max. tool mass moment <from spindle gauge line>	N·m (ft·lbf)	29.4 (21.6) <a tool with a mass moment greater than the maximum tool mass moment may cause problems during ATC operations even if it satisfies other conditions>
	Method of tool selection		Technical memory random: 60 tools <ring-type> Fixed address, shorter route access: [100, 120 tools <chain-type>] Fixed address: [180, 240, 330 tools <rack-type>]
	Tool changing time	Tool-to-tool s	1.95
	● The time differences are caused by the different conditions (travel distances, etc.) for each standard.	Cut-to-cut <MAS> s	4.4: 60 tools <ring-type>
APC	Number of pallets		2
	Method of pallet change		Turn-type
	Pallet changing time	s	9.0 [14.5 <max. loading capacity 700 kg (1,540 lb.)>]
Motor	Spindle drive motor	8,000 min ⁻¹ kW (HP)	30/22 (40/30) <30 min/cont>
		8,000 min ⁻¹ <high torque> kW (HP)	[30/25 (40/33.3) <30 min/cont>]
		15,000 min ⁻¹ <high speed> kW (HP)	[30/25 (40/33.3) <30 min/cont>]
	Feed motor	X/Y/Z axes kW (HP)	4.5/4.5/4.5 (6/6/6)
		B-axis kW (HP)	3.0 (4) [5.3 (7.1) <full 4th axis rotary table>]
Power sources <standard>	Coolant pump motor	kW (HP)	1.21 (1.61) <spindle>, 1.21 (1.61) <base coolant>, 1.21 (1.61) <shower coolant>
	Electrical power supply <cont>	I94335A01 kVA	47.4
Tank capacity	Compressed air supply	MPa (psi), L/min (gpm)	0.5 (72.5), 600 (158.4) (when the tool tip air blow is regularly used, air supply of more than 300 L/min (79.2 gpm) is separately required) <ANR>
	Coolant tank capacity	L (gal.)	800 (211.2)
Machine size	Machine height <from floor>	mm (in.)	3,200 (126.0)
	Floor space <width×depth>	mm (in.)	3,365×5,364 (132.5×211.2)

[] Option ISO: International Organization for Standardization JIS: Japanese Industrial Standard

- Max. spindle speed: depending on restrictions imposed by the workpiece clamping device, fixture and tool used, it may not be possible to rotate at the maximum spindle speed.
- Max. tool diameter: The maximum tool diameter is limited to 255 mm (10.0 in.) or less when using the spindle at 10,000 min⁻¹ or higher.
- ANR: ANR refers to a standard atmospheric state; i.e., temperature at 20 °C (68 °F), absolute pressure at 101.3 kPa (14.7 psi) and relative humidity at 65%.
- Power sources, machine size: the actual values may differ from those specified in the catalogue, depending on the optional features and peripheral equipment.
- Compressed air supply: please be sure to supply clean compressed air <air pressure: 0.7 MPa (101.5 psi), pressure dew point: 10 °C (50 °F) or below>.
- A criterion capacity to select a compressor is 90 L/min (23.8 gpm) per 0.75 kW (1 HP).
However, this figure may differ depending on the type of compressors and options attached. For details, please check the compressor specifications.
- The information in this catalog is valid as of May 2014.

Machine specifications (NHX 6300)

Item			NHX 6300
Travel	X-axis travel <longitudinal movement of saddle>	mm (in.)	1,050 (41.3)
	Y-axis travel <vertical movement of spindle head>	mm (in.)	900 (35.4)
	Z-axis travel <cross movement of pallet>	mm (in.)	1,030 (40.6)
	Distance from pallet surface to spindle center	mm (in.)	100—1,000 (3.9—39.4)
	Distance from pallet center to spindle gauge plane	mm (in.)	50—1,080 (2.0—42.5)
Pallet	Distance from floor surface to pallet surface	mm (in.)	1,250 (49.2)
	Pallet working surface	mm (in.)	630×630 (24.8×24.8)
	Pallet loading capacity	kg (lb.)	1,500 (3,300)
	Max. workpiece swing diameter	mm (in.)	1,050 (41.3)
	Max. workpiece height	mm (in.)	1,300 (51.1)
	Pallet surface configuration		M16 (1/2-13 UNC) Tap: 24 holes Pitch 125 mm (4.9 in.)
	Minimum pallet indexing angle		1° [0.001° <full 4th axis rotary table>]
	Pallet indexing time <including clamping and unclamping time> (90°)	s	1.48 <1° indexing>
Spindle	Max. spindle speed	min ⁻¹	8,000 [8,000 <high torque>] [15,000 <high speed>]
	Number of spindle speed ranges		1
	Type of spindle taper hole		No. 50
	Spindle bearing inner diameter	mm (in.)	120 (4.7)
Feedrate	Rapid traverse rate	mm/min (ipm)	X, Y, Z: 60,000 (2,362.2)
	Cutting feedrate	mm/min (ipm)	0—60,000 (0—2,362.2) (when using high-precision control <look-ahead control>)
	Jog feedrate	mm/min (ipm)	0—5,000 (0—197.0) <20 steps>
ATC	Type of tool shank		BT50 [CAT50] [DIN50] [HSK-A100] <When the two-face contact specification is selected, a two-face contact tool and other tools cannot be used together>
	Type of retention knob		DMG MORI SEIKI 90° type [45° (MAS-I)] [60° (MAS-II)] [CAT] [DIN]
	Tool storage capacity		Ring-type: 60 Chain-type: [100] [120] Rack-type: [180] [240] [330] (The 60-tool specification <ring-type magazine> cannot be selected with the CPP and LPP specifications)
	Max. tool diameter <with adjacent tools>	mm (in.)	110 (4.3)
	Max. tool diameter <without adjacent tools>	mm (in.)	320 (12.5): Ring-type
	Max. tool length	mm (in.)	630 (24.8)
	Max. tool mass	kg (lb.)	30 (66)
	Max. tool mass moment <from spindle gauge line>	N·m (ft·lbf)	29.4 (21.6) <a tool with a mass moment greater than the maximum tool mass moment may cause problems during ATC operations even if it satisfies other conditions>
	Method of tool selection		Technical memory random: 60 tools <ring-type> Fixed address, shorter route access: [100, 120 tools <chain-type>] Fixed address: [180, 240, 330 tools <rack-type>]
	Tool changing time	Tool-to-tool s	2.05
	● The time differences are caused by the different conditions (travel distances, etc.) for each standard.	<MAS> s	4.8: 60 tools <ring-type>
APC	Number of pallets		2
	Method of pallet change		Turn-type
	Pallet changing time	s	20.0
Motor	Spindle drive motor	8,000 min ⁻¹ kW (HP)	30/25 (40/33.3) <30 min/cont>
		8,000 min ⁻¹ <high torque> kW (HP)	[37/30 (50/40) <30 min/cont>]
		15,000 min ⁻¹ <high speed> kW (HP)	[30/25 (40/33.3) <30 min/cont>]
	Feed motor	X/Y/Z axes kW (HP)	4.5/7.0/7.0 (6/9.3/9.3)
	Coolant pump motor	B-axis kW (HP)	2.2 (3) [8.3 (11.1)/6.5 (8.7) <max./cont> {full 4th axis rotary table}]
Power sources <standard>	Electrical power supply <cont>	I94336A01 kVA	57.7
	Compressed air supply	MPa (psi), L/min (gpm)	0.5 (72.5), 600 (158.4) (when the tool tip air blow is regularly used, air supply of more than 300 L/min (79.2 gpm) is separately required) <ANR>
Tank capacity	Coolant tank capacity	L (gal.)	1,085 (286.4)
Machine size	Machine height <from floor>	mm (in.)	3,314 (130.5)
	Floor space <width×depth>	mm (in.)	3,930×5,824 (154.7×229.3)

[] Option ISO: International Organization for Standardization JIS: Japanese Industrial Standard

- Max. spindle speed: depending on restrictions imposed by the workpiece clamping device, fixture and tool used, it may not be possible to rotate at the maximum spindle speed.
- Max. tool diameter: The maximum tool diameter is limited to 255 mm (10.0 in.) or less when using the spindle at 10,000 min⁻¹ or higher.
- ANR: ANR refers to a standard atmospheric state; i.e., temperature at 20 °C (68 °F), absolute pressure at 101.3 kPa (14.7 psi) and relative humidity at 65%.
- Power sources, machine size: the actual values may differ from those specified in the catalogue, depending on the optional features and peripheral equipment.
- Compressed air supply: please be sure to supply clean compressed air <air pressure: 0.7 MPa (101.5 psi), pressure dew point: 10 °C (50 °F) or below>.
- A criterion capacity to select a compressor is 90 L/min (23.8 gpm) per 0.75 kW (1 HP).
However, this figure may differ depending on the type of compressors and options attached. For details, please check the compressor specifications.
- The information in this catalog is valid as of May 2014.

DMG MORI

2-year warranty, twice the peace of mind.

For machines delivered outside of Japan, parts relating to machine breakdown will be guaranteed free for 2 years from the date of installation, and labor costs to repair will be free for 1 year. Please contact our sales representative for details.



<Precautions for Machine Relocation>

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