



*Optimal Solutions for the Future*

# Mynx series



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**Heavy Duty Vertical  
Machining Center**

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**Mynx series**

- Mynx 5400
  - Mynx 6500
  - Mynx 7500
  - Mynx 9500 **NEW**
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ver. EN 160823 SU

**Basic information**

Basic Structure  
Cutting  
Performance

**Detailed Information**

Options  
Applications  
Diagrams  
Specifications

**Customer Support Service**



# Mynx series

Mynx series offers a wide line-up from 540 mm (21.3 inch) to 950 mm (37.4 inch) and various spindle enabling to meet the user to handle a wider range of workpieces. In addition, Mynx series offers high durability, high performance to designed high rigidity. The EOP functions for the user-friendliness has improved the convenience of customers.



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#### 04 Basic Structure

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#### Users can be selected according to material and size of workpiece

- Wide line-up from 540mm (21.3 inch) to 950mm (37.4 inch) and various spindle are available to meet material and size of workpiece.

#### High productivity and stable precision, powerful cutting performance

- High-rigidity machine structure provides high durability and stable accuracy during heavy duty cutting.
- Higher productivity can be achieved with the CAM-type tool changer that supports faster tool changing.

#### Easy operation for improving convenience to use NC system

- Easy operation for user's convenient machine operation.
- The EOP functions for the user-friendliness has improved the convenience of customers.

## Basic Structure

### Basic information

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### Customer Support Service

The Mynx series offers a wide line-up. High-rigidity machine structure provides high durability and stable accuracy during heavy duty cutting.

## Travel distance (XxYxZ axis)

Mynx 5400, Mynx 5400/50

**1020 x 540 x 530 mm**  
(40.2 x 21.3 x 20.9 inch)

Mynx 6500, Mynx 6500/50

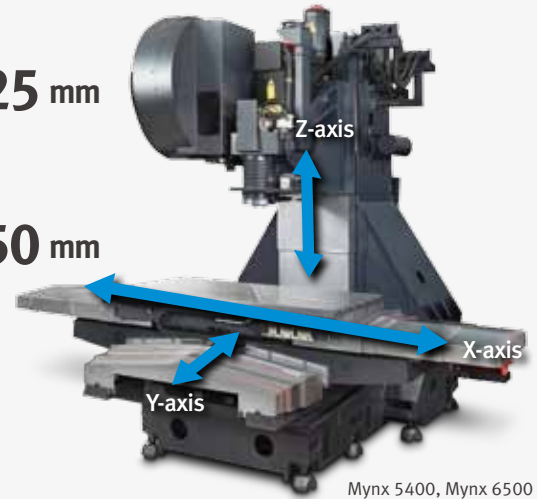
**1270 x 670 x 625 mm**  
(50.0 x 26.4 x 24.6 inch)

Mynx 7500, Mynx 7500/50

**1525 x 762 x 625 mm**  
(60.0 x 30.0 x 24.6 inch)

Mynx 9500

**2500 x 950 x 850 mm**  
(98.4 x 37.4 x 33.5 inch)



Mynx 5400, Mynx 6500

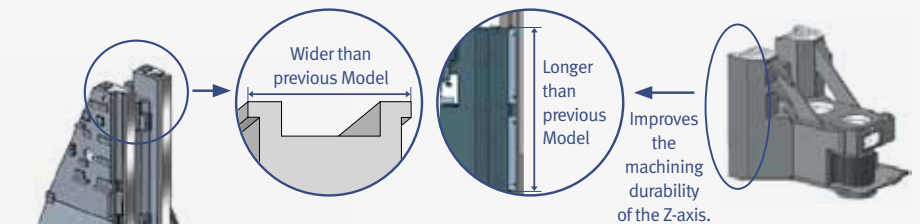
## Axis System

Applied a highly rigid box guideway structure suitable for heavy cutting. The extended box-type guideways improve the machine durability as well as rigidity and stability.



### Surface Finish

The surface of moving elements are coated with Rulon 142 material to reduce friction and stick-slip. This material is carefully hand-scraped to achieve optimum accuracy.



Z-axis Span width **22%** ↑  
Z-axis Span Length **32%** ↑

Models	Rapid traverser rate (X / Y / Z)
Mynx 5400	30 / 30 / 24 m/min (1181.1 / 1181.1 / 944.9 ipm)
Mynx 5400/50	
Mynx 6500	
Mynx 6500/50	
Mynx 7500	
Mynx 7500/50	16 / 16 / 16 m/min (629.9 / 629.9 / 629.9 ipm)
Mynx 9500	

## Table

Mynx series offers an optimized table for machine line up enabling to meet the user to handle a wider range of workpieces.

### Wide machining area

#### Max weight on Table

Mynx 5400, Mynx 5400/50

**800 kg**  
(1763.7 lb)

Mynx 6500, Mynx 6500/50

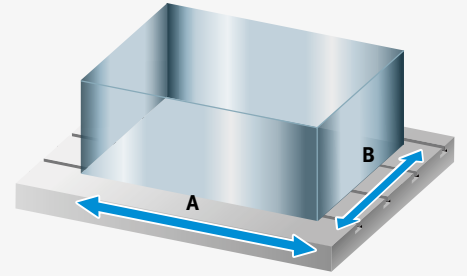
**1000 kg**  
(2204.6 lb)

Mynx 7500, Mynx 7500/50

**1500 kg**  
(3306.9 lb)

Mynx 9500

**3500 kg**  
(7716.1 lb)



#### Table size (A x B)

Mynx 5400, Mynx 5400/50

**1200 x 540 mm**  
(47.2 x 21.3 inch)

Mynx 6500, Mynx 6500/50

**1400 x 670 mm**  
(55.1 x 26.4 inch)

Mynx 7500, Mynx 7500/50

**1600 x 750 mm**  
(63.0 x 29.5 inch)

Mynx 9500

**2500 x 950 mm**  
(98.4 x 37.4 inch)

## Spindle

Users can select spindles of various driving systems and specifications according to the workpiece material.

### Drive Systems

The Mynx series spindles support Belt-driven, Gear-driven, Built in-driven systems. Dual contact tool system support as standard.



Mynx 9500 Gear-driven spindles

Models	Taper	Standard	Optional
Mynx 5400 Mynx 6500	ISO #40	8000r/min (15/11 kW (20.1/14.8 Hp), 191.1 N·m (141.0 ft-lbs))	12000r/min (15.6/15 kW (20.9/20.1 Hp), 165.7 N·m (122.3 ft-lbs))
Mynx 5400/50 Mynx 6500/50	ISO #50	6000r/min (15/11 kW (20.1/14.8 Hp), 286.4 N·m (211.4 ft-lbs))	6000r/min (18.5/15 kW (24.8/20.1 Hp), 306.9 N·m (226.5 ft-lbs)) 6000r/min* (30/18.5 kW (40.2/24.8 Hp), 617.4 N·m (455.6 ft-lbs))
Mynx 7500	ISO #40	8000r/min (22/15 kW (29.5/20.1 Hp), 140.1 N·m (103.4 ft-lbs))	8000r/min (15/11 kW (20.1/14.8 Hp), 191.1 N·m (141.0 ft-lbs)) 12000r/min (26/22 kW (34.9/29.5 Hp), 165.7 N·m (122.3 ft-lbs))
Mynx 7500/50	ISO #50	6000r/min (18.5/15 kW (24.8/20.1 Hp), 306.9 N·m (226.5 ft-lbs))	6000r/min (22/18.5 kW (29.5/24.8 Hp), 365.5 N·m (269.7 ft-lbs)) 6000r/min* (30/18.5 kW (40.2/24.8 Hp), 617.4 N·m (455.6 ft-lbs)) 8000r/min (15/11 kW (20.1/14.8 Hp), 286.4 N·m (211.4 ft-lbs))
Mynx 9500	ISO #50	6000r/min* (30/18.5 kW (40.2/24.8 Hp), 617.4 N·m (455.6 ft-lbs))	10000r/min** (30/25 kW (40.2/33.5 Hp), 420 N·m (310.0 ft-lbs))

None : Belt-driven \* : Gear-driven \*\* : Built in-driven



### Dual Contact Spindle

The system enables simultaneous dual-contact of tapered side using elastic deformation of the spindle and perfect gauge control.



## Tool Changer

### Basic information

- Basic Structure
- Cutting
- Performance

### Detailed Information

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### Customer Support Service

Higher productivity can be achieved with the CAM-type tool changer that supports faster tool changing.

## Tool Magazine

Chain type CAM magazine



Drum-type CAM magazine

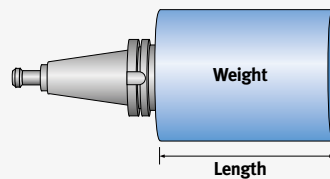


Unit : ea

Models	Taper	Standard	Optional
Mynx 5400	ISO #40	30	40
Mynx 6500			
Mynx 7500			
Mynx 5400/50	ISO #50	24	-
Mynx 6500/50		24	30*
Mynx 7500/50		24	40*
Mynx 9500		30*	40*

None : Drum-type CAM magazine \* : Chain type CAM magazine (Servo type)

## Automatic tool changer



Models	Taper	Tool Change Time		Max. Tool Size	
		T-T-T	C-T-C	Length	Weight
Mynx 5400	ISO #40	1.3 s	3.7 s	300mm (11.8 inch)	8kg (17.6 lb)
Mynx 6500					
Mynx 7500					
Mynx 5400/50	ISO #50	2.5 s	5.5 s	350mm (13.8 inch)	15kg (33.1 lb)
Mynx 6500/50					
Mynx 7500/50					
Mynx 9500					



## Cutting Performance

The heavy-duty machining performance of the Mynx series spindles is the best in its class.

### ISO #40

Result of cutting test on Mynx 5400 (8000r/min, Belt, 15/11kW (20.1/14.8 Hp))

Face mill (ø80 mm, Cut edge count :5) Carbon steel (SM45C)			
Machining rate (cm <sup>3</sup> /min (inch <sup>3</sup> /min))	Spindle speed (r/min)	Feedrate (mm/min (ipm))	
422 (25.8)	750	1100 (43.3)	
Drill (ø50 mm) Carbon steel (SM45C)			
Machining rate (cm <sup>3</sup> /min (inch <sup>3</sup> /min))	Spindle speed (r/min)	Feedrate (mm/min (ipm))	
81 (4.9)	200	42 (1.7)	
Tap Carbon steel (SM45C)			
Tap size (mm)	Spindle speed (r/min)	Feedrate (mm/min (ipm))	
M36 x P4.0	250	1000 (39.4)	

\* The results, indicated in this catalogue are provides as example. They may not be obtained due to differences in cutting conditions and environmental conditions during measurement.

### ISO #50

Result of cutting test on Mynx 9500 (6000r/min, Gear, 30/18.5kW (40.2/24.8 Hp))

Face mill (ø125 mm,Cut edge count :8) Carbon steel (SM45C)			
Machining rate (cm <sup>3</sup> /min (inch <sup>3</sup> /min))	Spindle speed (r/min)	Feedrate (mm/min (ipm))	
756 (46.1)	464	1080 (42.5)	
Drill (ø85 mm) Carbon steel (SM45C)			
Machining rate (cm <sup>3</sup> /min (inch <sup>3</sup> /min))	Spindle speed (r/min)	Feedrate (mm/min (ipm))	
510 (31.1)	562	90 (3.5)	
Tap Carbon steel (SM45C)			
Tap size (mm)	Spindle speed (r/min)	Feedrate (mm/min (ipm))	
M42 x P4.5	100	450 (17.7)	

\* The results, indicated in this catalogue are provides as example. They may not be obtained due to differences in cutting conditions and environmental conditions during measurement.



## Standard / Optional Specifications

● Standard ○ Optional ✕ Not applicable

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**Customer Support Service**

No.	Description	Features	Mynx 5400	Mynx 5400/50	Mynx 6500	Mynx 6500/50	Mynx 7500	Mynx 7500/50	Mynx 9500			
1	Spindle	FANUC 6000 r/min	Belt**	15/11 kW (20.1/14.8 Hp)	X	●	X	●	X	X	X	
2			Belt**	18.5/15 kW (24.8/20.1 Hp)	X	○	X	○	X	●	X	
3			Belt**	22/18.5 kW (29.5/24.8 Hp)	X	X	X	X	X	○	X	
4			Gear*	30/18.5 kW (40.2/24.8 Hp)	X	○	X	○	X	○	●	
5		8000 r/min	FANUC	Belt*	15/11 kW (20.1/14.8 Hp)	●	X	●	X	○	X	X
6				Belt*	15/11 kW (20.1/14.8 Hp)	X	○	X	○	X	○	X
7				Belt*	22/15 kW (29.5/20.1 Hp)	X	X	X	X	●	X	X
8				Built in*	30/25 kW (40.2/33.5 Hp)	X	X	X	X	X	X	○
9		12000 r/min	FANUC	Belt*	15.6/15 kW (20.9/20.1 Hp)	○	X	○	X	X	X	X
10				Belt*	26/22 kW (34.9/29.5 Hp)	X	X	X	X	○	X	X
11		HEIDENHAIN	6000 r/min	Gear*	37/20 kW (49.6/26.8 Hp)	X	○	X	○	X	○	X
12				Belt*	38/24 kW (51.0/32.2 Hp)	○	○	○	○	○	○	X
13				Belt*	25/20 kW (33.5/26.8 Hp)	○	X	○	X	○	X	X
14				Belt**	20/18.5 kW (26.8/24.8 Hp)	X	○	X	○	X	○	X
15		SIEMENS	6000 r/min	Gear*	27.8/18.5 kW (37.3/24.8 Hp)	X	○	X	○	X	○	X
16				Belt*	20/18.5 kW (26.8/24.8 Hp)	○	○	○	○	○	○	X
17	Spindle cooling system(Oil cooler)	6000 r/min	Belt		X	○	X	○	X	○	X	
18			Gear		X	●	X	○	X	●	●	
19			Belt		○	○	○	○	○	○	X	
20			Built in		X	X	X	X	X	X	●	
21			Belt		●	X	●	X	●	X	X	
22	Magazine	Tool storage capacity	24ea		X	●	X	●	X	●	X	
23			30ea		●	X	●	○	●	X	●	
24			40ea		○	X	○	X	○	○	○	
25	Tool shank type	ISO #40	BIG PLUS BT40		●	X	●	X	●	X	X	
26			BIG PLUS CAT40		○	X	○	X	○	X	X	
27			BIG PLUS DIN40		○	X	○	X	○	X	X	
28		ISO #50	BIG PLUS BT50		X	●	X	●	X	●	●	
29			BIG PLUS CAT50		X	○	X	○	X	○	○	
30			BIG PLUS DIN50		X	○	X	○	X	○	○	
31	Coolant	FLOOD	0.15 MPa (0.4 kW)		●	●	●	●	●	●	●	
32			0.7 MPa (1.8 kW)		○	○	○	○	○	○	○	
33		TSC	None		●	●	●	●	●	●	●	
34			2 MPa (1.5kW)		○	○	○	○	○	○	○	
35			2 MPa (4.0 kW)		○	○	○	○	○	○	○	
36			7 MPa (5.5 kW)		○	○	○	○	○	○	○	
37		SHOWER	0.1 MPa (1.1 kW)		○	○	○	○	○	○	○	
38		Oil Skimmer	Belt type		○	○	○	○	○	○	○	
39		MQL			○	○	○	○	○	○	○	
40	Chip disposal	Chip pan			●	●	●	●	●	●	●	
41			Chip conveyor	Hinged type		○	○	○	○	○	○	○
42				Magnetic scraper type		○	○	○	○	○	○	○
43		Drum filter type			○	○	○	○	○	○	○	
44		Chip bucket		○	○	○	○	○	○	○		
45		Air blower		○	○	○	○	○	○	○		
46		Air gun		○	○	○	○	○	○	○		
47		Coolant gun		○	○	○	○	○	○	○		
48	Mist collector		○	○	○	○	○	○	○			
49	Precision machining option	Smart Thermal Compensation			X	X	X	X	X	X	●	
50		Linear scale	X / Y / Zaxis		○	○	○	○	○	○	○	
51		AICC I (40 block)			○	○	○	○	○	○	●	
52	AICC II (200 block)			○	○	○	○	○	○	○		
53	Measurement & Automation	Automatic tool measurement	TS27R		○	○	○	○	○	○	○	
54			OTS		○	○	○	○	○	○	○	
55		Automatic tool breakage detection			○	○	○	○	○	○	○	
56		Automatic workpiece measurement	OMP60		○	○	○	○	○	○	○	
57	Automatic front door with safety device			○	○	○	○	○	○	○		
58	Others	LED Work light			●	●	●	●	●	●	●	
59		3 color signal tower			●	●	●	●	●	●	●	
60		4th axis auxiliary device interface			○	○	○	○	○	○	○	
61		Tool load monitoring			●	●	●	●	●	●	●	
62		EZ Guide i			○	○	○	○	○	○	○	
63	Automatic power off			○	○	○	○	○	○	○		

\*Spindle cooling system (Oil cooler) is standard \*\*Spindle cooling system (Oil cooler) is option

\* Please contact Doosan to select detail specifications.



## Peripheral Equipment

### Linear Scale option 50

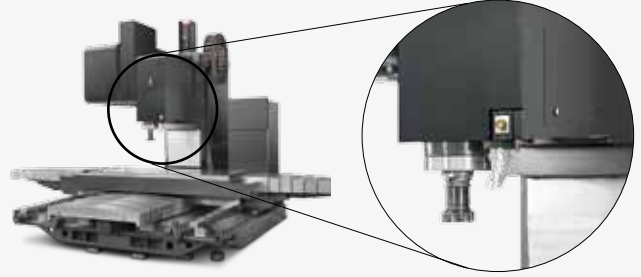
Using the linear scale feedback system, accuracy of the machine can be further improved since the X, Y and Z axes can be controlled to correct positions.

Resolution : 0.001 mm



### Smart thermal compensation (Mynx 9500 only)

Smart thermal compensation function fitted as standard optimizes machine accuracy of the spindle and structure by reducing the effects of heat build-up during extended periods of operation.



### Chip conveyor option 41-43

Hinged type



Magnetic scraper type



Drum filter type



Chip conveyor type	Material	Description
Hinged type	Steel	Hinged belt chip conveyor, which is most commonly used for steel work [for cleaning chips longer than 30mm(1.2inch)], is available as an option.
Magnetic scraper type	Cast Iron	Magnetic scraper type chip conveyor, which is ideal for die-casting work [for cleaning small chips], is available as an option.
Drum filter type	Aluminium	Drum filter type chip conveyor, which is ideal for aluminium work [for filtering small chips], is available as an option.

### Oil Cooler option

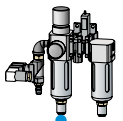
An oil cooler correlated to room temperature can be equipped for a long-term operation at high speed. Cooling oil circulates around the spindle bearings to prevent thermal error of the spindle and maintain machining accuracy.



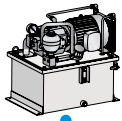
### 4th axis auxiliary device interface option 60

Users who wish to set up a rotary axis on the table to increase application flexibility are encouraged to contact Doosan in advance.

Pneumatic



Hydraulic



Electronic

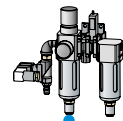
Servo driven  
Function and  
Device



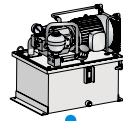
### Hydraulic / Pneumatic fixture line option

The user should prepare pipelines for hydraulic / pneumatic fixtures whose detailed specifications should be determined by discussion with Doosan.

Pneumatic



Hydraulic





**Basic information**

Basic Structure  
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User convenience has been significantly enhanced with a new operation panel.

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**Customer Support Service**

**Simple and Convenient Operation Panel**

The operation panel is redesigned and integrated for better usability. Additionally, customized function switches can be attached to maximize operation convenience.

**10.4" color TFT LCD monitor**

Various alarm messages indicating errors from the machine and controller will be displayed on a large 10.4" LCD screen, enhancing the operation convenience.



- **Model**  
Mynx 5400, Mynx 5400/50  
Mynx 6500, Mynx 6500/50  
Mynx 7500, Mynx 7500/50



- **Model**  
Mynx 9500

**MPG handle**



**PCMCIA Card & USB Port**

**PCMCIA Card**

The PCMCIA card enables uploading and downloading of the NC program, NC parameters, tool information, and ladder programs, and also supports DNC operation.

**USB Port**

The USB memory stick enables uploading and downloading of the NC program, NC parameters, tool information and ladder programs. (DNC operation is not supported.)



**Convenience Functions (Hot Keys)**

To quick operate, some of buttons such as return reference point and tool management etc. are installed on the operation panel.



**Swiveling operation panel**

The operation panel is capable of swiveling by 90 degrees to enhance convenience.





## Easy Operation Package

The software developed by Doosan's own technology provides numerous functions designed for convenient operation.

### Adaptive Feed Control (AFC)



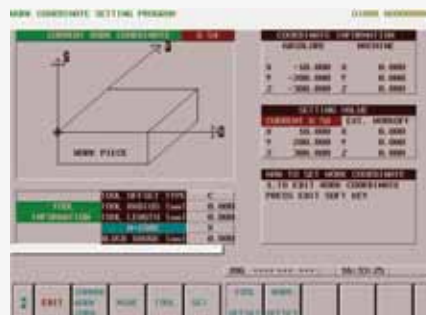
Function to control feedrate so that the cutting can be carried out at a constant load  
(To adapt to the spindle load set up with constant load feedrate control function)

### Tool Load Monitor



Function to automatically monitor tool load  
(Different loads can be set for one tool according to M700 ~ M704)

### Work Offset Setting



Function to configure various work offset settings

### Sensor Status Monitor



Function to view sensor conditions of the machine

### Tool Management



Function to manage tool information  
[Tool information]  
- Tool No. / Tool name  
- Tool condition : normal, large diameter, worn/  
damaged, used for the first time, annual

### Pattern Cycle & Engraving



Function to create frequently-used cutting programs automatically  
- Pattern Cycle: creates a program for a pre-defined shape  
- Engraving: creates a program for cutting a shape described with characters [option](#)

### Alarm Guidance



Function to show detailed info on frequently triggered alarms and recommended actions

### ATC Recovery



Function to view detailed info with recommended actions and to perform step-by-step operation manually (when an alarm is triggered during an ATC operation)

## Spindle Power – Torque Diagram (FANUC)

### Basic information

- Basic Structure
- Cutting
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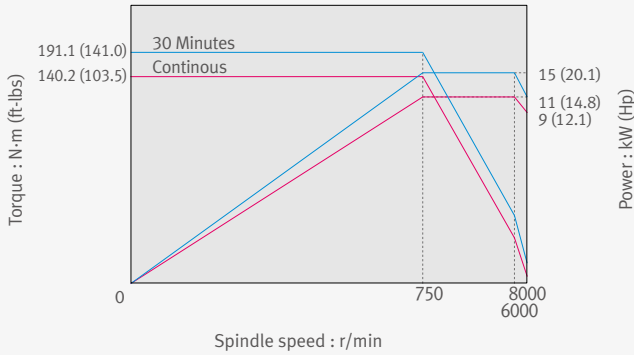
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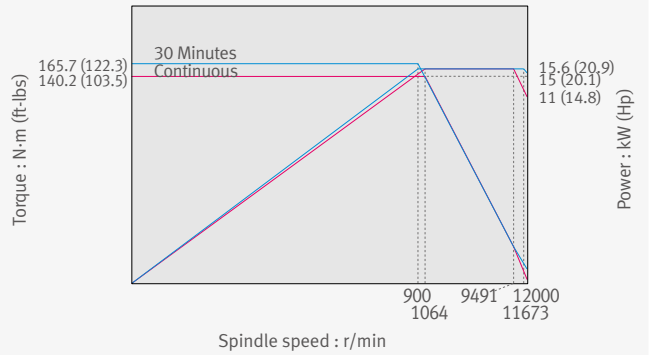
### Customer Support Service

#### [FANUC] Mynx 5400, Mynx 6500

8000 r/min, Belt, 15/11 kW (20.1/14.8 Hp), 191.1 N·m (141.0 ft-lbs)

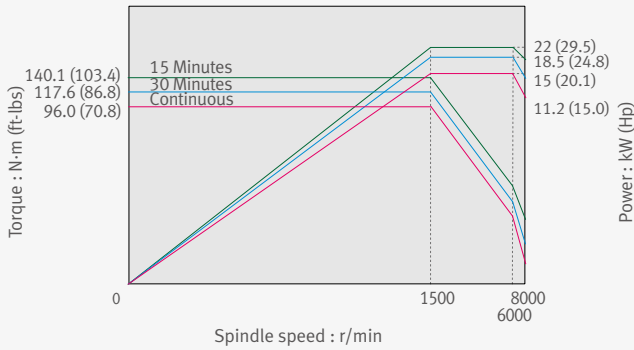


12000 r/min, Belt, 15.6/15 kW, 165.7 N·m (122.3 ft-lbs) **option**

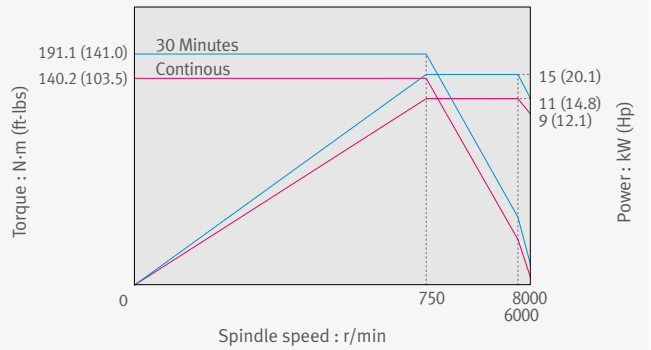


#### [FANUC] Mynx 7500

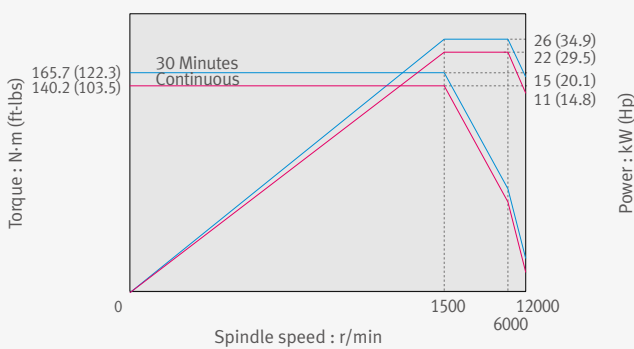
8000 r/min, Belt, 22/15 kW (29.5/20.1 Hp), 140.1 N·m (103.4 ft-lbs)



8000 r/min, Belt, 15/11 kW (20.1/14.8 Hp), 191.1 N·m (141.0 ft-lbs) **option**

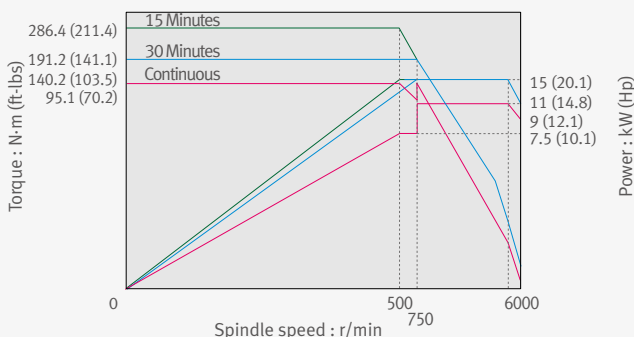


12000 r/min, Belt, 26/22 kW (34.9/29.5 Hp), 165.7 N·m (122.3 ft-lbs) **option**

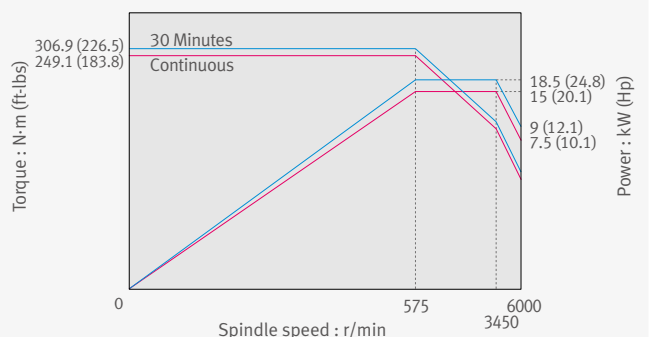


#### [FANUC] Mynx 5400/50, Mynx 6500/50

6000 r/min, Belt, 15/11 kW (20.1/14.8 Hp), 286.4 N·m (211.4 ft-lbs)

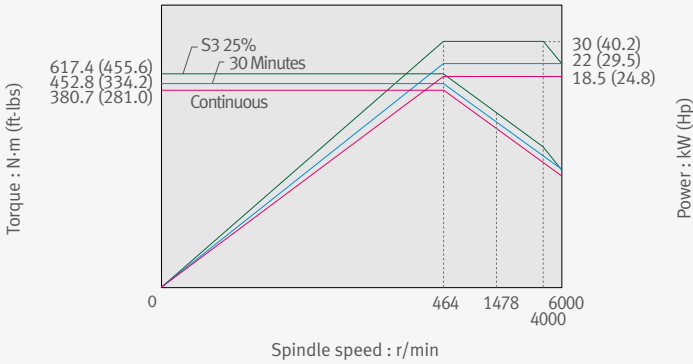


6000 r/min, Belt, 18.5/15 kW (24.8/20.1 Hp), 306.9 N·m (226.5 ft-lbs) **option**

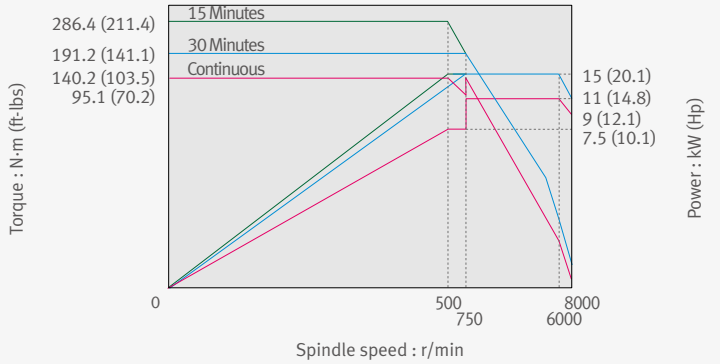


**[FANUC] Mynx 5400/50, Mynx 6500/50**

6000r/min, Gear, 30/18.5kW (40.2/24.8 Hp), 617.4 N-m (455.6 ft-lbs) **option**

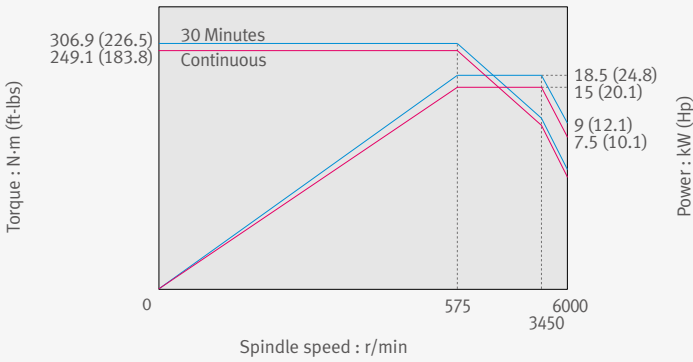


8000 r/min, Belt, 15/11 kW (20.1/14.8 Hp), 286.4 N-m (211.4 ft-lbs) **option**

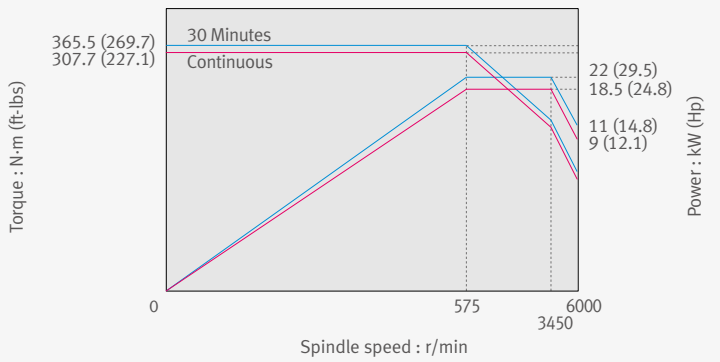


**[FANUC] Mynx 7500/50**

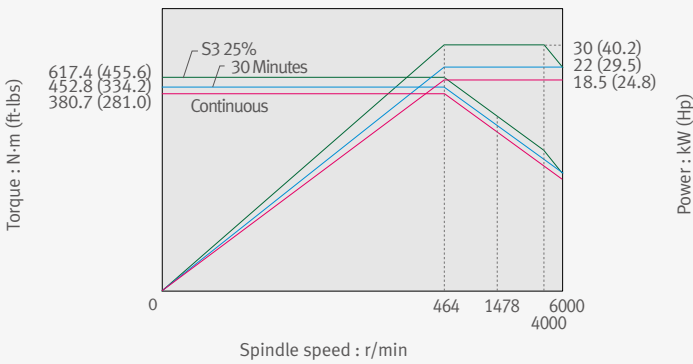
6000 r/min, Belt, 18.5/15 kW (24.8/20.1 Hp), 306.9 N-m (226.5 ft-lbs)



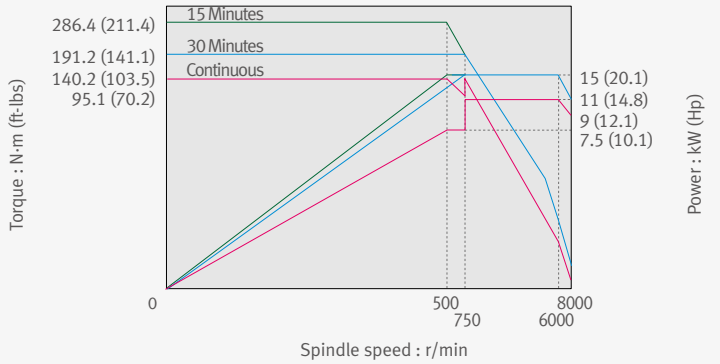
6000 r/min, Belt, 22/18.5 kW (29.5/24.8 Hp), 365.5 N-m (369.7 ft-lbs) **option**



6000r/min, Gear, 30/18.5kW (40.2/24.8 Hp), 617.4 N-m (455.6 ft-lbs) **option**

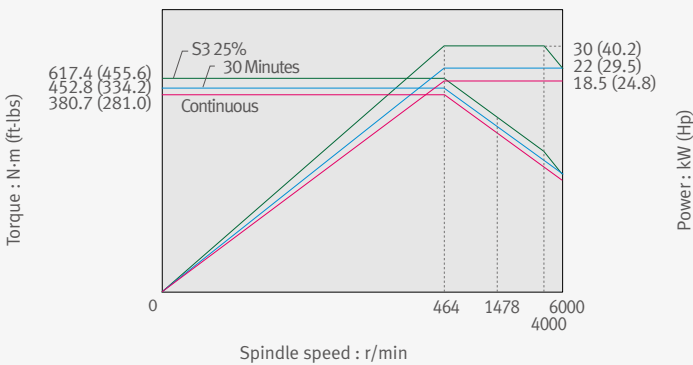


8000 r/min, Belt, 15/11 kW (20.1/14.8 Hp), 286.4 N-m (211.4 ft-lbs) **option**

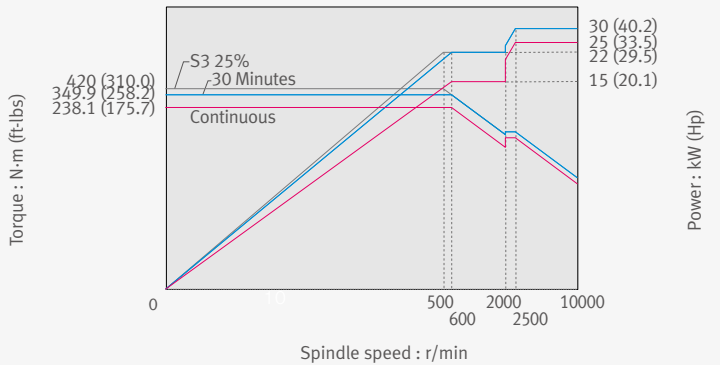


**[FANUC] Mynx 9500**

6000r/min, Gear, 30/18.5kW (40.2/24.8 Hp), 617.4 N-m (455.6 ft-lbs)



10000 r/min, Built in, 30/25 kW (40.2/33.5 Hp), 420 N-m (310.0 ft-lbs) **option**



## Spindle Power – Torque Diagram (HEIDENHAIN / SIEMENS)

### Basic information

- Basic Structure
- Cutting
- Performance

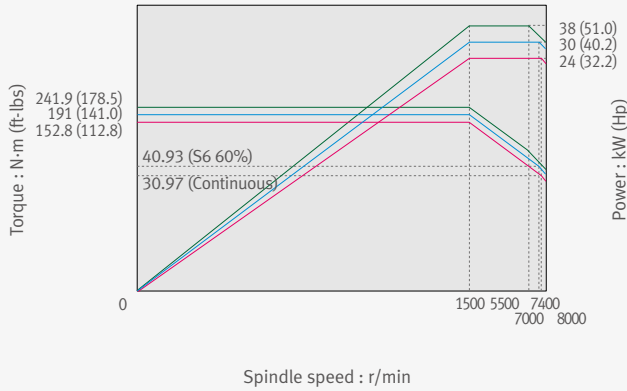
### Detailed Information

- Options
- Applications
- Diagrams
- Specifications

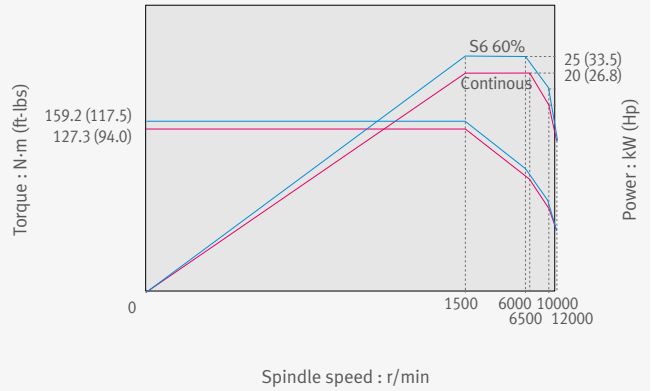
### Customer Support Service

#### [HEIDENHAIN] Mynx 5400 , Mynx 6500, Mynx 7500

8000 r/min, Belt, 38/24 kW (51.0/32.2 Hp), 241.9 N·m (178.5 ft-lbs) **option**

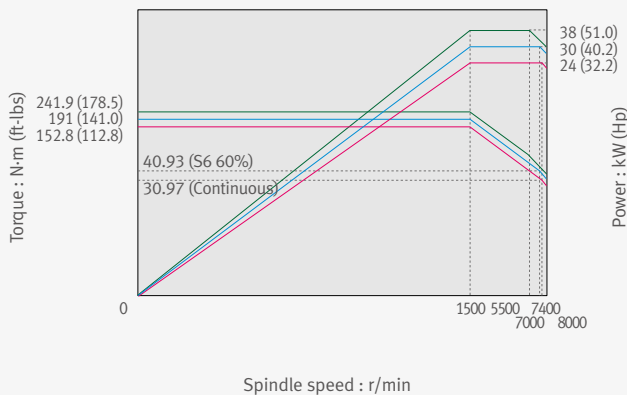


12000 r/min, Belt, 25/20 kW (33.5/26.8 Hp), 159.2 N·m (117.5 ft-lbs) **option**

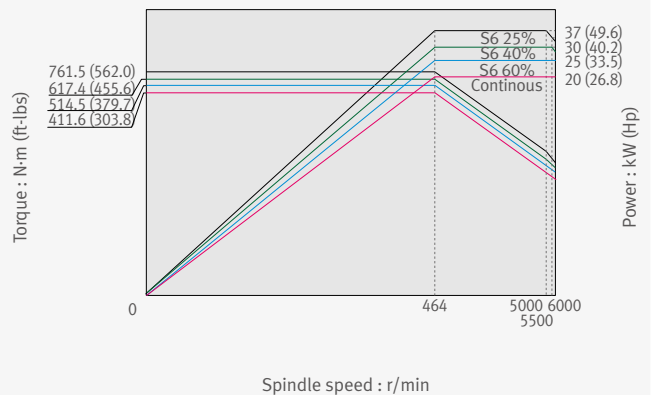


#### [HEIDENHAIN] Mynx 5400 /50, Mynx 6500/50, Mynx 7500/50

8000 r/min, Belt, 38/24 kW (51.0/32.2 Hp), 241.9 N·m (178.5 ft-lbs) **option**

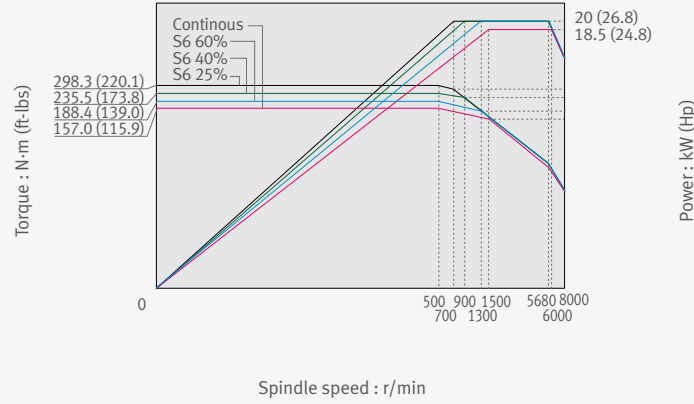


6000 r/min, Gear, 37/20 kW (49.6/26.8 Hp), 761.5 N·m (562.0 ft-lbs) **option**



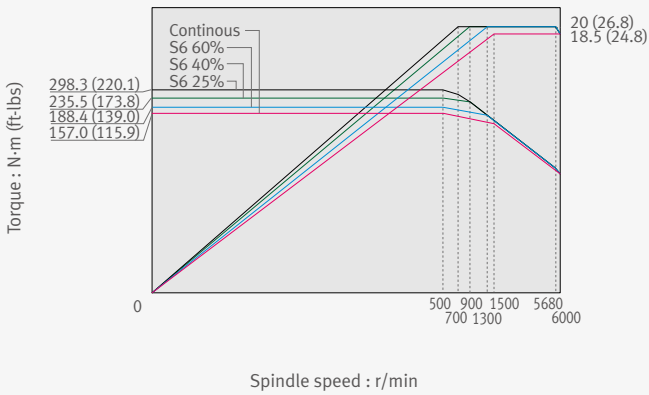
[SIEMENS] Mynx 5400, Mynx 6500, Mynx 7500

8000 r/min, Belt, 20/18.5 kW (26.8/24.8 Hp), 298.3 N·m (220.1 ft-lbs) **option**

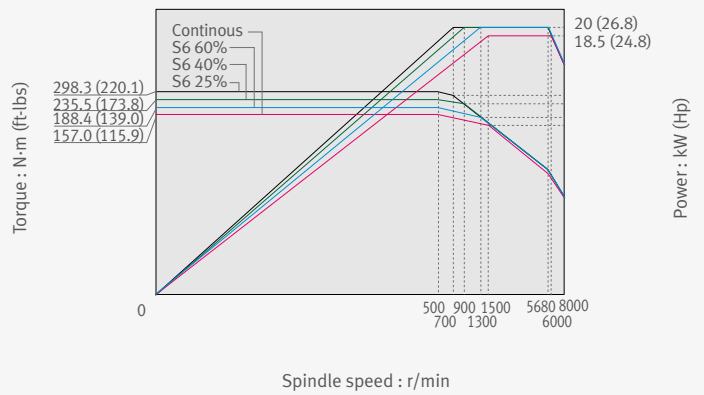


[SIEMENS] Mynx 5400/50, Mynx 6500/50, Mynx 7500/50

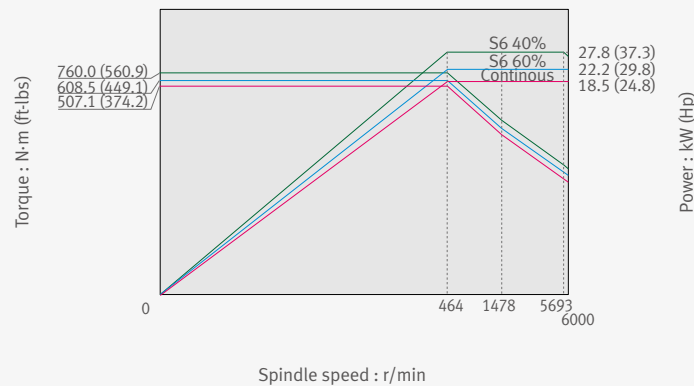
6000 r/min, Belt, 20/18.5 kW (26.8/24.8 Hp), 298.3 N·m (220.1 ft-lbs) **option**



8000 r/min, Belt, 20/18.5 kW (26.8/24.8 Hp), 298.3 N·m (220.1 ft-lbs) **option**



6000 r/min, Gear, 27.8/18.5 kW (37.3/24.8 Hp), 760 N·m (560.9 ft-lbs) **option**



## External Dimensions

### Basic information

- Basic Structure
- Cutting
- Performance

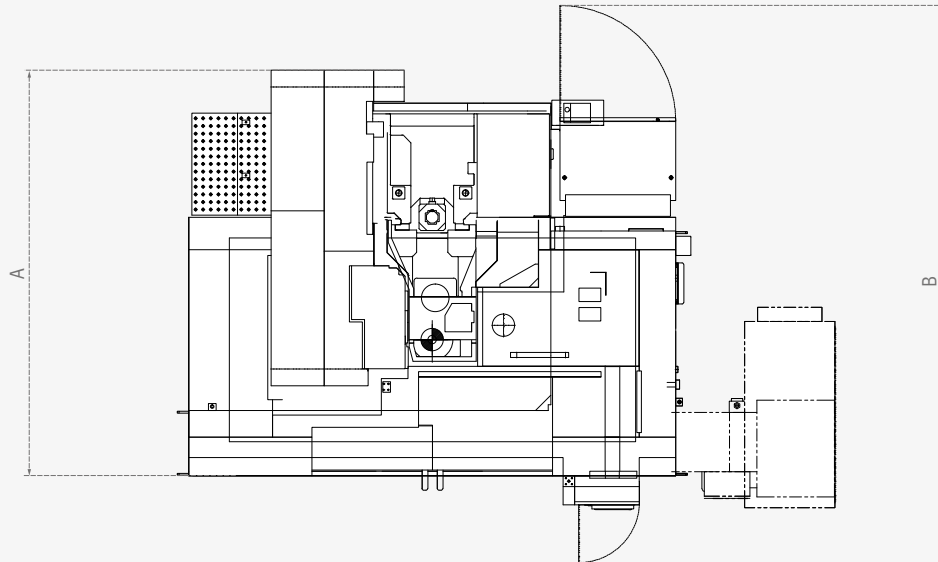
## Mynx series

### Detailed Information

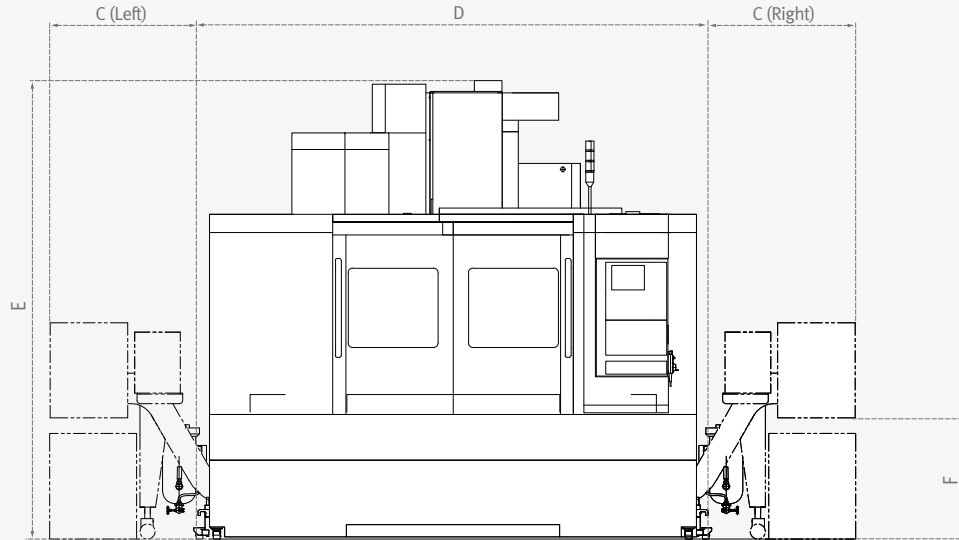
- Options
- Applications
- Diagrams
- Specifications

### Customer Support Service

Top View



Front View



Unit : mm (inch)

	A (Length)	B (Max. machine length)	C* (Additional width to accommodate the side chip conveyor)	D (Width)	E (Height)	F (Height from the floor to the chip outlet)
<b>Mynx 5400</b>	2467 (97.1)	3443 (135.6)	Left & Right : 972 (38.3)	3350 (131.9)	2800 (110.2)	805 (31.7)
<b>Mynx 5400/50</b>	2467 (97.1)	3443 (135.6)	Left & Right : 972 (38.3)	3350 (131.9)	3015 (118.7)	805 (31.7)
<b>Mynx 6500</b>	2692 (106.0)	3664 (144.3)	Left & Right : 972 (38.3)	3350 (131.9)	2825 (111.2)	805 (31.7)
<b>Mynx 6500/50</b>	2629 (103.5)	3664 (144.3)	Left & Right : 972 (38.3)	3350 (131.9)	3015 (118.7)	805 (31.7)
<b>Mynx 7500</b>	3900 (153.5)	4177 (164.4)	Right : 948 (37.3)	4050 (159.4)	3185 (125.4)	805 (31.7)
<b>Mynx 7500/50</b>	3900 (153.5)	4172 (164.3)	Right : 948 (37.3)	4050 (159.4)	3235 (127.4)	805 (31.7)
<b>Mynx 9500</b>	4315 (169.9)	5350 (210.6)	Right : 1078 (42.4)	6480 (255.1)	3598 (141.7)	805 (31.7)

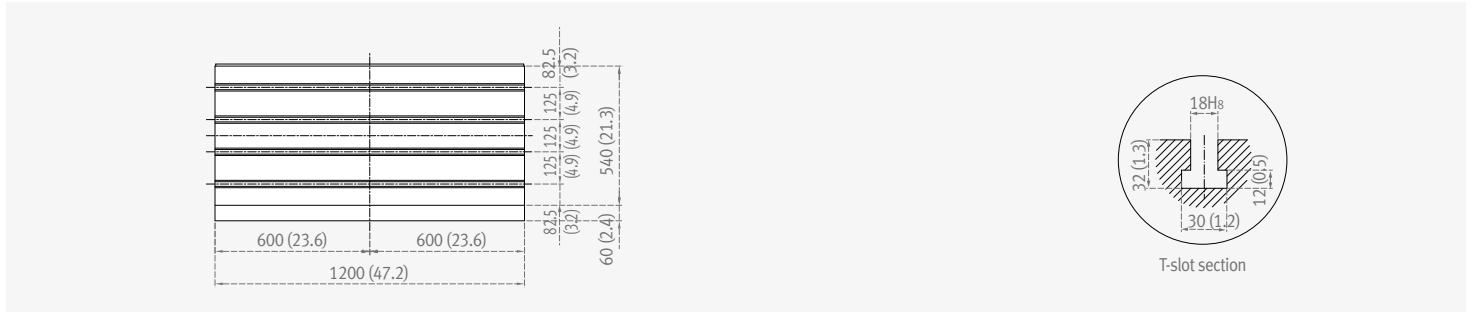
\* Contact Doosan for more information to rear chip conveyor.



**Table**

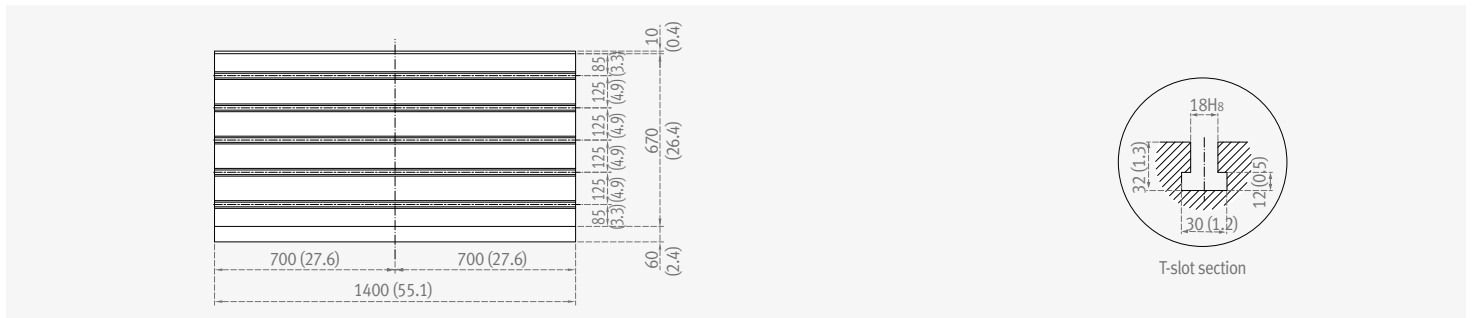
**Mynx 5400, Mynx 5400/50**

Unit : mm (inch)



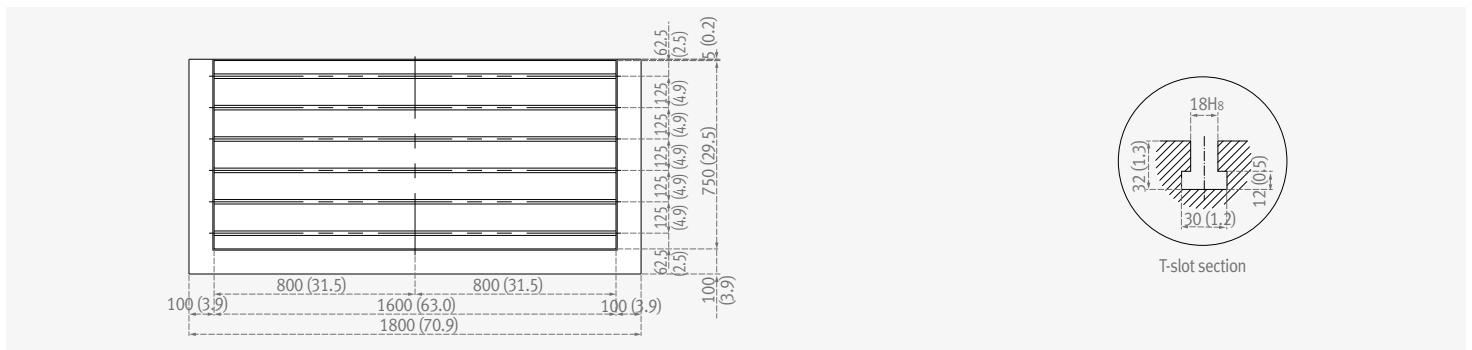
**Mynx 6500, Mynx 6500/50**

Unit : mm (inch)



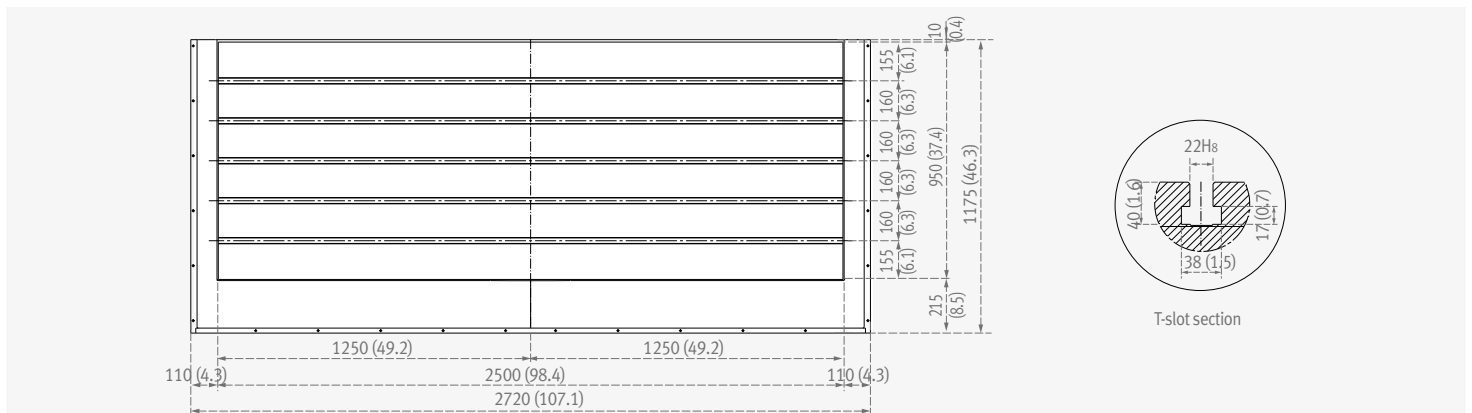
**Mynx 7500, Mynx 7500/50**

Unit : mm (inch)



**Mynx 9500**

Unit : mm (inch)



## Machine Specifications

## Basic information

Basic Structure  
Cutting  
Performance

## Detailed Information

Options  
Applications  
Diagrams  
Specifications

## Customer Support Service



Description			Unit	Mynx 5400	Mynx 5400/50		
Travels	Travel distance	X axis	mm (inch)	1020 (40.2)			
		Y axis	mm (inch)	540 (21.3)			
		Z axis	mm (inch)	530 (20.9)			
	Distance from spindle nose to table top		mm (inch)	150 ~ 680 (5.9 ~ 26.8)	200 ~ 730 (7.9 ~ 28.7)		
Table	Table size		mm (inch)	1200 x 540 (47.2 x 21.3)			
	Table loading capacity		kg (lb)	800 (1763.7)			
	Table surface type		mm (inch)	T-SLOT [4-125(4.9) x 18(0.7)H8]			
Spindle	Max. spindle speed	FANUC	Belt	r/min	8000 {12000}	6000 {6000} {8000}	
			Gear	r/min	-	{6000}	
			Built in	r/min	-	-	
		SIEMENS	Belt	r/min	8000	6000 {8000}	
			Gear	r/min	-	{6000}	
		HEIDENHAIN	Belt	r/min	8000 {12000}	8000	
	Gear		r/min	-	{6000}		
	Taper			-	ISO #40	ISO #50	
	Spindle power	FANUC	Belt	kW (Hp)	15/11 (20.1/14.8) {15.6/15 (20.9/20.1)}	15/11 (20.1/14.8) {18.5/15 (24.8/20.1)} {15/11 (20.1/14.8)}	
			Gear	kW (Hp)	-	22/18.5 (29.5/24.8)	
			Built in	kW (Hp)	-	-	
		SIEMENS	Belt	kW (Hp)	20/18.5 (26.8/24.8)	20/18.5 (29.5/24.8) {20/18.5 (29.5/24.8)}	
			Gear	kW (Hp)	-	{27.8/18.5 (37.3/24.8)}	
		HEIDENHAIN	Belt	kW (Hp)	38/24 {25/20 (33.5/26.8)}	38/24	
Gear	kW (Hp)	-	{37/20 (49.6/26.8)}				
Max. spindle torque	FANUC	Belt	N-m (ft-lbs)	191.1 (140.9) {165.7 (122.2)}	286.4 (211.2) {306.9 (226.3)} {286.4 (211.2)}		
		Gear	N-m (ft-lbs)	-	{452.0 (333.3)}		
		Built in	N-m (ft-lbs)	-	-		
	SIEMENS	Belt	N-m (ft-lbs)	222.8 (164.3)	298.3 (220) {298.3 (220)}		
		Gear	N-m (ft-lbs)	-	{760 (560.5)}		
	HEIDENHAIN	Belt	N-m (ft-lbs)	241.9 {159.2 (117.4)}	241.9		
Gear	N-m (ft-lbs)	-	{761.5 (562.0)}				
Feedrates	Rapid traverse rate	X axis	m/min (ipm)				
		Y axis	m/min (ipm)				
		Z axis	m/min (ipm)				
Automatic Tool Changer	Type of tool shank	Tool shank	-	BT 40 {CAT40/DIN40}	BT 50 {CAT50 /DIN50}		
		Pull stud	-	PS806	P50T-1 45deg		
	Tool storage capa.		ea	30 {40}	24		
	Max. tool diameter	Continous	mm (inch)	80 (3.1) {76 (3.0)}	125 (4.9)		
		Without Adjacent Tools	mm (inch)	125 (4.9)	220 (8.7)		
	Max. tool length		mm (inch)	300 (11.8)	350 (13.8)		
	Max. tool weight		kg (lb)	8 (17.6)	15 (33.1)		
	Tool selection						
	Tool change time (Tool-to-tool)		sec	1.3	2.5		
	Tool change time (Chip-to-chip)		sec	3.7	5.5		
Power source	Electric power supply (rated capacity)	Belt	FANUC	kVA	36.1 {40}	36.1 {40} {36.1}	
			HEIDENHAIN	kVA	47 {56}	47 {56}	
			SIEMENS	kVA	-	48.7	
		Gear	FANUC	kVA	-	{47.7}	
			HEIDENHAIN	kVA	-	-	
			Built in	FANUC	kVA	-	-
Compressed air supply		Mpa (psi)					
Tank capacity	Coolant tank capacity		L (gal)				
Machine Dimensions	Height		mm (inch)	2800 (110.2)	3015 (118.7)		
	Length		mm (inch)	2467 (97.1)	2467 (97.1)		
	Width		mm (inch)	3350 (131.9)	3350 (131.9)		
	Weight		kg (lb)	7000 (15432)	7200 (15873)		
Control	NC system		-				

Mynx 6500	Mynx 6500/50	Mynx 7500	Mynx 7500/50	DNM 9500
1270 (50.0)			1525 (60.0)	2500 (98.4)
670 (26.4)			762 (30.0)	950 (37.4)
625 (24.6)			625 (24.6)	800 (31.5)
150 ~ 775 (5.9 ~ 30.5)	200 ~ 825 (7.9 ~ 32.5)	150 ~ 775 (5.9 ~ 30.5)	200 ~ 825 (7.9 ~ 32.5)	200 ~ 1000 (7.9 ~ 39.4)
1400 x 670 (55.1 x 26.4)			1600 x 750 (63.0 x 29.5)	2500 x 950 (98.4 x 37.4)
1000 (2204.6)			1500 (3306.9)	3500 (7716.2)
T-SLOT [5-125(4.9) x 18(0.7)H8]		T-SLOT [6-125(4.9) x 18(0.7)H8]		T-SLOT [5-160(6.3) x 22(0.9)H8]
8000 {12000}	6000 {6000} {8000}	8000 {8000} {12000}	6000 {6000} {8000}	-
-	{6000}	-	{6000}	6000
-	-	-	-	{10000}
8000	6000 {8000}	8000	6000 {8000}	-
-	6000	-	6000	-
8000 {12000}	8000	8000 {12000}	8000	-
-	{6000}	-	{6000}	-
ISO #40	ISO #50	ISO #40	ISO #50	ISO #50
15/11 (20.1/14.8) {15.6/15 (20.9/20.1)}	15/11 (20.1/14.8) {18.5/15 (24.8/20.1)} {15/11 (20.1/14.8)}	22/15 (29.5/20.1) {15/11 (20.1/14.8)} {26/22 (34.9/29.5)}	18.5/15 (24.8/20.1) {22/18.5 (29.5/24.8)} {15/11 (20.1/14.8)}	-
-	{22/18.5 (29.5/24.8)}	-	{22/18.5 (29.5/24.8)}	22/18.5 (29.5/24.8)
-	-	-	-	{30/25 (40.2/33.5)}
20/18.5 (26.8/24.8)	20/18.5 (26.8/24.8) {20/18.5 (26.8/24.8)}	20/18.5 (26.8/24.8)	20/18.5 (26.8/24.8) {20/18.5 (26.8/24.8)}	-
-	{27.8/18.5 (37.3/24.8)}	-	{27.8/18.5 (37.3/24.8)}	-
38/24 {25/20 (33.5/26.8)}	38/24	38/24 {25/20 (33.5/26.8)}	38/24	-
-	{37/20 (49.6/26.8)}	-	{37/20 (49.6/26.8)}	-
191.1 (140.9) {165.7 (122.2)}	286.4 (211.2) {306.9 (226.3)} {286.4 (211.2)}	140.1 (103.3) {191.1 (140.9)} {165.7 (122.2)}	306.9 (226.3) {365.5 (269.5)} {286.4 (211.2)}	-
-	{452.0 (333.3)}	-	{452.0 (333.3)}	452 (333.3)
-	-	-	-	{420 (309.7)}
298.3 (220)	298.3 (220) {298.3 (220)}	298.3 (220)	298.3 (220) {298.3 (220)}	-
-	{760 (560.5)}	-	{760 (560.5)}	-
241.9 {159.2 (117.4)}	241.9	241.9 {159.2 (117.4)}	241.9	-
-	{761.5 (562.0)}	-	{761.5 (562.0)}	-
	30 (1181.1)			16 (629.9)
	30 (1181.1)			16 (629.9)
	24 (944.9)			16 (629.9)
BT 40 {CAT40 /DIN40}	BT 50 {CAT50 /DIN50}	BT 40 {CAT40 /DIN40}	BT 50 {CAT50 /DIN50}	BT 50 {CAT50 /DIN50}
PS806	P50T-1 45deg	PS806	P50T-1 45deg	P50T-1 45deg
30 {40}	24 {40}	30 {40}	24 {40}	30 {40}
80 (3.1) {76 (3.0)}	125 (4.9)	80 (3.1) {76 (3.0)}	125 (4.9)	125 (4.9)
125 (4.9)	220 (8.7)	125 (4.9)	230 (9.1)	230 (9.1)
300 (11.8)	350 (13.8)	300 (11.8)	350 (13.8)	350 (13.8)
8 (17.6)	15 (33.1)	8 (17.6)	15 (33.1)	15 (33.1)
MEMORY RANDOM				
1.3	2.5	1.3	2.5	2.5
3.7	5.5	3.7	6.0	6.0
39.4 {45.1}	44.6 {39.4} {39.4}	48 {42.9} {56.9}	47.3 {51.8} {42.9}	-
47 {56}	47 {56}	47 {56}	40 {56}	-
-	{48.4}	-	60	47.0
-	-	-	{51.8}	-
				54.2
	0.54 (78.3)			
	380 (100.4)			500 (132.1)
2825 (111.2)	3015 (118.7)	3185 (125.4)	3235 (127.4)	3598 (141.7)
2692 (106.0)	2629 (103.5)	3900 (153.5)	3900 (153.5)	4315 (169.9)
3350 (131.9)	3350 (131.9)	4050 (159.4)	4050 (159.4)	6480 (255.1)
9000 (19842)	9200 (20283)	13500 (29762)	13500 (29762)	23000 (50706)

DOOSAN FANUC i {HEIDENHAIN iTNC 530 / SIEMENS S828D}

{ } : Option

## Basic information

Basic Structure  
Cutting  
Performance

## Detailed Information

Options  
Applications  
Diagrams  
Specifications

## Customer Support Service

DOOSAN  
FANUC i

No.	Division	Item	Spec.	DOOSAN FANUC i	
				Mynx 5400, Mynx 5400/50 Mynx 6500, Mynx 6500/50 Mynx 7500, Mynx 7500/50	Mynx 9500
1	Axes control	Controlled axes	3 (X,Y,Z)	X, Y, Z	X, Y, Z
2		Least command increment	0.001 mm / 0.0001"	●	●
3		Least input increment	0.001 mm / 0.0001"	●	●
4	Interpolation & Feed function	2nd reference point return	G30	●	●
5		3rd / 4th reference return		●	●
6		Inverse time feed		●	●
7		Cylindrical interpolation	G07.1	●	●
8		Automatic corner override	G62	●	●
9		Manual handle feed	1 unit	●	●
10		Manual handle feed	x1, x10, x100 (per pulse)	●	●
11		Handle interruption		●	●
12		AI APC	20 BLOCK	●	●
13		AICC I	40 BLOCK	○	●
14		AICC II	200 BLOCK	○	○
15	Spindle & M-code function	M- code function		●	●
16		Retraction for rigid tapping		●	●
17		Rigid tapping	G84, G74	●	●
18	Tool function	Number of tool offsets	400 ea	●	●
19		Tool nose radius compensation	G40, G41, G42	●	●
20		Tool length compensation	G43, G44, G49	●	●
21		Tool life management		●	●
22		Addition of tool pairs for tool life management		●	●
23		Tool offset	G45 - G48	●	●

● Standard ○ Optional X Not applicable

No.	Division	Item	Spec.	DOOSAN FANUC i	
				Mynx 5400, Mynx 5400/50 Mynx 6500, Mynx 6500/50 Mynx 7500, Mynx 7500/50	Mynx 9500
24	Programming & Editing function	Custom macro		●	●
25		Macro executor		●	●
26		Extended part program editing		●	●
27		Part program storage	512KB(1280m)	●	●
28		Part program storage	2MB(5120m)	○	○
29		Inch/metric conversion	G20 / G21	●	●
30		Number of Registered programs	400 ea	●	●
31		Optional block skip	9 BLOCK	●	●
32		Optional stop	M01	●	●
33		Program number	04-digits	●	●
34		Playback function		●	●
35		Other Functions (Operation, setting & Display, etc)	Addition of workpiece coordinate system	G54.1 P1 - 48 (48 pairs)	●
36	Embedded Ethernet			●	●
37	Graphic display		Tool path drawing	●	●
38	Loadmeter display			●	●
39	Memory card interface			●	●
40	USB memory interface		Only Data Read & Write	●	●
41	Operation history display			●	●
42	DNC operation with memory card			●	●
43	Optional angle chamfering / corner R			●	●
44	Run hour and part number display			●	●
45	High speed skip function			●	●
46	Polar coordinate command		G15 / G16	●	●
47	Programmable mirror image		G50.1 / G51.1	●	●
48	Scaling		G50, G51	●	●
49	Single direction positioning		G60	●	●
50	Pattern data input			●	●

## Basic information

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## Customer Support Service

# HEIDENHAIN

## iTNC 530

No.	Division	Item	Spec.	iTNC 530
				Mynx 5400, Mynx 5400/50 Mynx 6500, Mynx 6500/50 Mynx 7500, Mynx 7500/50
1	Axes	Controlled axes	3 axes	X, Y, Z
2			4 axes	○
3		Controlled axes	Max. 12 axes in total	○
4		Least command incremen	0.0001 mm (0.0001 inch), 0.0001°	●
5		Least input increment	0.0001 mm (0.0001 inch), 0.0001°	●
6		Maximum commandable value	±99999.999mm (±3937 inch)	●
7		Axis feedback control	Double-speed control loops for high-frequency spindles and torque/linear motors	○
8		MDI / DISPLAY unit	15.1 inch TFT color flat panel	●
9			19 inch TFT color flat panel	○
10		Program memory for NC programs	SSDR	21GB
11		Block processing time		0.5 ms
12		Cycle time for path interpolation	CC 61xx	3 ms
13		Encoders	Absolute encoders	EnDat 2.2
14	Commissioning and diagnostics	Data interfaces	Ethernet interface	●
15			USB interface (USB 2.0)	●
16	Machine functions	Look-ahead	Intelligent path control by calculating the path speed ahead of time (max. 1024 blocks.)	●
17		HSC filters		●
18		Switching the traverse ranges		●
19	User functions	Program input	According to ISO	●
20			With smarT.NC	●
21		Position entry	Nominal positions for lines and arcs in Cartesian coordinates	●
22			Incremental or absolute dimen- sions	●
23			Display and entry in mm or inches	●
24			Display of the handwheel path dur- ing machining with handwheel superimpositioning	●
25			Paraxial positioning blocks	●
26		Tool compensation	In the working plane and tool length	●
27			Radius-compensated contour lookahead for up to 99 blocks (M120)	●
28			Three-dimensional tool radius compensation	●
29		Tool table	Central storage of tool data	●
30			Multiple tool tables with any number of tools	●
31		Cutting-data table	Calculation of spindle speed and feed rate based on stored tables	●
32		Constant contouring speed	relative to the path of the tool center or to the tool's cutting edge	●
33		Parallel operation	Creation of a program while another program is being run	●
34		Tilting the working plane with Cycle 19		○
35		Tilting the working plane with the PLANE function		○
36		Manual traverse in tool-axis direction	after interruption of program run	●
37		Function TCPM	Retaining the position of tool tip when positioning tilting axes	●

● Standard ○ Optional X Not applicable

No.	Division	Item	Spec.	iTNC 530			
				Mynx 5400, Mynx 5400/50 Mynx 6500, Mynx 6500/50 Mynx 7500, Mynx 7500/50			
38	User functions	Rotary table machining	Programming of cylindrical contours as if in two axes	○			
39				Feed rate in distance per minute	○		
40			FK free contour programming	for workpieces not dimensioned for NC programming	●		
41			Program jumps	Subprograms and program section repeats	●		
42				Calling any program as a subprogram	●		
43			Program verification graphics	Plan view, view in three planes, 3-D view	●		
44			Programming graphics	3-D line graphics	●		
45			Program-run graphics	(plan view, view in three planes, 3-D view)	●		
46			Datum tables	Saving of workpiece-specific datums	●		
47			Preset table	Saving of reference points	●		
48			Freely definable table	after interruption of program run	●		
49			Returning to the contour	With mid-program startup	●		
50				After program interruption (with the GOTO key)	●		
51			Autostart		●		
52			Actual position capture		●		
53			Enhanced file management		●		
54			Context-sensitive help for error messages		●		
55			TNCguide	Browser-based, context-sensitive helpsystem	●		
56			Calculator		●		
57			Entry of text and special characters		●		
58			Comment blocks in NC program		●		
59			"Save As" function		●		
60			Structure blocks in NC program		●		
61			Entry of feed rates	FU (feed per revolution)	●		
62				FZ (tooth feed per revolution)	●		
63				FT (time in seconds for path)	●		
64				FMAXT (only for rapid traverse pot: time in seconds for path)	●		
65			Dynamic collision monitoring (DCM)		○		
66			Fixture monitoring		○		
67			Processing DXF data		○		
68			Global program settings (GS)		○		
69			Adaptive feed control (AFC)		○		
70			KinematicsOpt	Automatic measurement and optimization of machine kinematics	○		
71			KinematicsComp	Three-dimensional compensation	○		
72			3D-ToolComp	Dynamic 3-D tool radius compensation	○		
73		Fixed cycles	Working plane	Cycle 19	○		
74				Cylinder surface	Cycle 27	○	
75				Cylinder surface slot milling	Cycle 28	○	
76				Cylinder surface ridge milling	Cycle 29	○	
77		Cycles for automatic workpiece	Calibrate TS		●		
78		inspection	Calibrate TS length		●		
79				Measure axis shift		●	
80				Save kinematics		○	
81				Measure kinematics		○	
82				Preset compensation		○	
83		Options	Software option 1	Rotary table machining	Programming of cylindrical contours as if in two axes	○	
					Feed rate in mm/min		
				Coordinate transformation	Tilting the working plane, PLANE function		
			Interpolation	Circular in 3 axes with tilted working plane			
84			Software option 2	3-D machining	3-D tool compensation through surface normal vectors	○	
					Tool center point management (TCPM)		
		Keeping the tool normal to the contour					
		Tool radius compensation normal to the tool direction					
		Interpolation		Line in 5 axes (subject to export permit)			
		Spline: execution of splines (3rd degree polynomial)					

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Customer Support Service

**SIEMENS  
S828D**

No.	Division	Item	Spec.	S828D	
				Mynx 5400/50 Mynx 6500/50 Mynx 7500/50	
1		Controlled axes	3 axes	X, Y, Z	
2			4 axes	○	
3			5 axes	○	
4	Axex control	Simultaneously controlled axes	Positioning(G00)/Linear interpolation(G01) : 3 axes Circular interpolation(G02, G03) : 2 axes	●	
5			Positioning(G00)/Linear interpolation(G01) : 4 axes Circular interpolation(G02, G03) : 2 axes	○	
6		Least command increment	0.001mm (0.0001 inch)	●	
7		Least input increment	0.001mm (0.0001 inch)	●	
8		Maximum commandable value	±99999.999mm (±3937 inch)	●	
9		Reference point return		●	
10	Interpolation & Feed functions	Inverse time feedrate	G93	●	
11		Spline interpolation (A, B and C splines)		○	
12	Spindle Functions	Retraction for rigid tapping		●	
13		Rigid tapping		●	
14	Tool Functions	Tool radius compensations in plane	With approach and retract strategies	●	
15			With transition circle/ellipse on outer edges	●	
16		Number of tools/cutting edges in tool list	256/512	●	
17		Tool length compensation		●	
18		Tool offset selection via T and D numbers		●	
19		Replacement tools for tool management		○	
20		Monitoring of tool life and workpiece count		●	
21	Programming & Editing functions	Main program call from main program and subroutine		●	
22		Subroutine levels and interrupt routines, max.		11/4	
23		Number of subroutine passes ≤ 9999		●	
24		Number of levels for skip blocks 1		●	
25		Number of levels for skip blocks 8		○	
26		Polar coordinates		●	
27		Auxiliary function output	Via M word, max. programmable value range: INT 231-1		●
28			Via H word, max. range: REAL ± 3.4028 ex 38/ INT -231 ... 231-1		●
29		High-level CNC language with	User variables, configurable		●
30			Read/write system variables		●
31			Indirect programming		●
32			Program jumps and branches		●
33			Arithmetic and trigonometric functions		●
34			Compare operations and logic combinations		●
35			Macro techniques		●
36			Control structures IF-ELSE-ENDIF		●
37	Control structures WHILE, FOR, REPEAT, LOOP			●	
38	STRING functions			●	



No.	Division	Item	Spec.	S828D	
				Mynx 5400/50 Mynx 6500/50 Mynx 7500/50	
39	Programming & Editing functions	Program functions	Dynamic preprocessing memory FIFO	●	
40			Look ahead number of blocks	150	
41			Frame concept	●	
42			Inclined-surface machining with swivel cycle	●	
43		Online ISO dialect interpreter		●	
44		Program/workpiece management	Parts programs on NCU, max. number	300	
45			Workpieces on NCU, max. number	100	
46			On additional plug-in CF card	●	
47			On USB storage medium (e.g. disk drive, USB stick)	●	
48			On network drive	○	
49		Basic frames, max. number		1	
50		Settable offsets, max. number		100	
51		Program editor	Programming support for cycles program(Program Guide)	●	
52			CNC editor with editing functions: Marking, copying, deleting	●	
53			Programming graphics/free contour input (contour calculator)	●	
54		Technology cycles for drilling/milling		●	
55		Pocket milling free contour and islands stock removal cycle		●	
56		Residual material detection		●	
57		Access protection for cycles		●	
58		Programming support can be extended, e.g. customer cycles		●	
59		2D simulation		●	
60		3D simulation, finished part		●	
61		Simultaneous recording		●	
62		Other functions (Operation, setting & Display, etc)	JOG	Handwheel selection	●
63				Switchover: inch/metric	●
64			Automatic	Execution from USB or CF card interface on operator panel front	●
65				Execution from network drive	○
66				DRF offset	○
67				Block search with/without calculation	●
68				Preset	Set actual value
69			10.4" color display		●
70	15.0" color display			○	
71	Plain text display of user variables			●	
72	Operating software languages		Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp	●	
73			Additional languages, use of language extensions	●	
74	Working area limitation			●	
75	Limit switch monitoring			●	
76	Software and hardware limit switches			●	
77	Remote Control System (RCS) remote diagnostics		RCS Host remote diagnostics function	○	
78			RCS Commander (viewer function)	●	
79	Integrated service planner for the monitoring of service intervals			●	
80	Automatic measuring cycles			○	
81	Easy Extend			●	
82	TRANSMIT/cylinder surface transformation			○	
83	Contour handwheel			○	
84	Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens			○	
85	Cross-mode actions (ASUPs and synchronized actions in all operating modes)			○	

Product Preview

Basic information

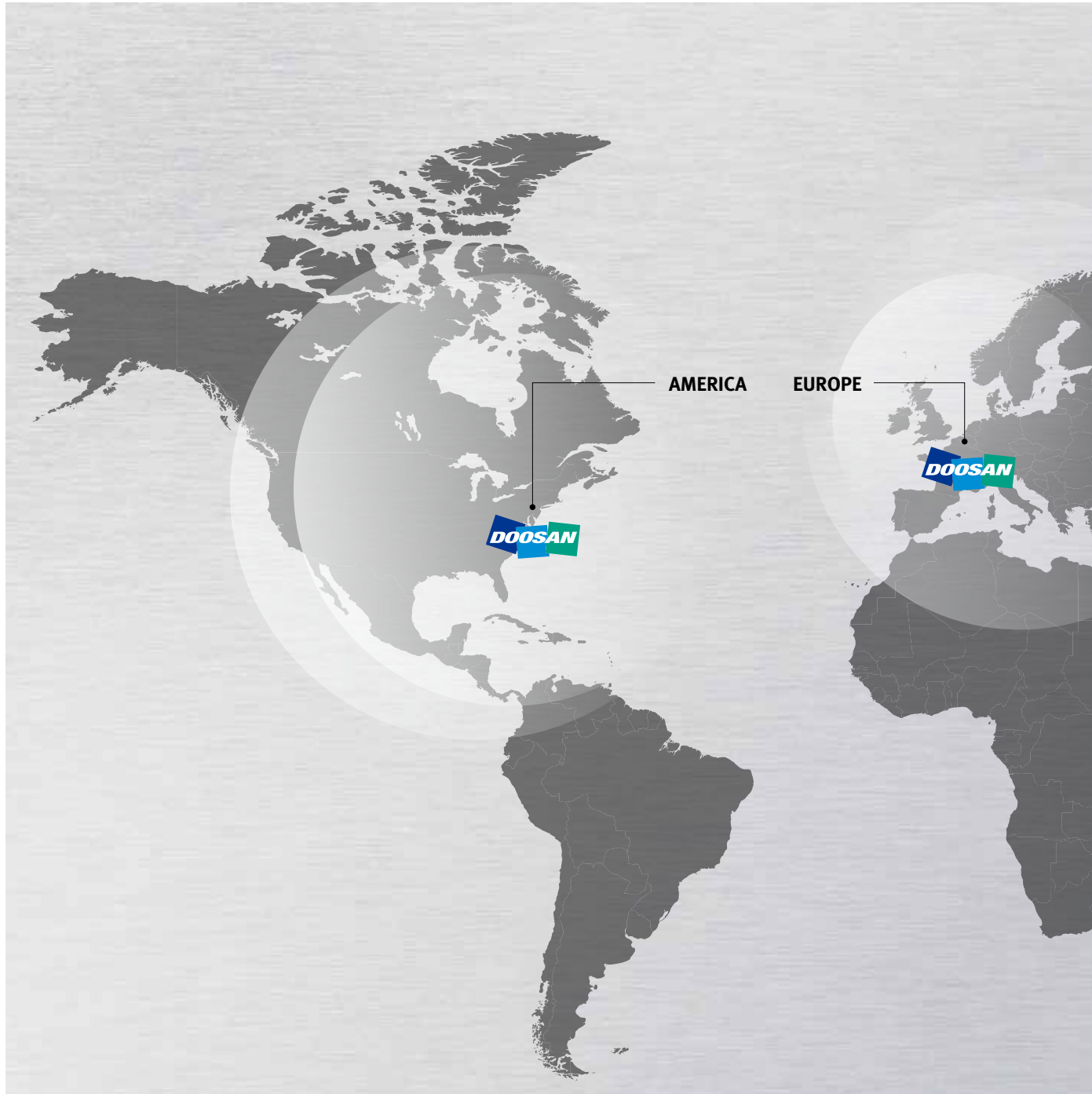
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# Responding to Customers Anytime, Anywhere



AMERICA

EUROPE



## Global Service Support Network

Corporations

5

Dealer Networks

122

Technical Centers

18

Factories

3

Technical Center: Sales Support, Service Support, Parts Support

## Doosan Machine Tools' Global Network, Responding to Customer's Needs nearby, Anytime, Anywhere

Doosan machine tools provides a system-based professional support service before and after the machine tool sale by responding quickly and efficiently to customers' demands. By supplying spare parts, product training, field service and technical support, we can provide top class support to our customers around the world.



### Domestic Service Support Network

Integrated Support Centers	2	Sales Branch Offices	7	Post-Sales Service Centers	6	Designated Repair Service Centers	31
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## Customer Support Service

We help customers to achieve success by providing a variety of professional services from pre-sales consultancy to post-sales support.

### Supplying Parts



- Supplying a wide range of original Doosan spare parts
- Parts repair service

### Field Services



- On site service
- Machine installation and testing
- Scheduled preventive maintenance
- Machine repair

### Technical Support



- Supports machining methods and technology
- Responds to technical queries
- Provides technical consultancy

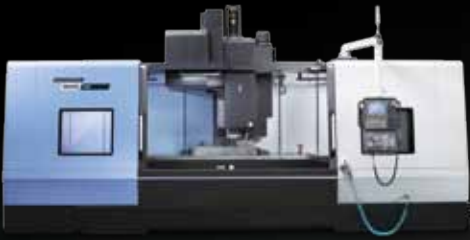
### Training



- Programming / machine setup and operation
- Electrical and mechanical maintenance
- Applications engineering

## Major Specifications

### Mynx series



Description		Unit	Mynx 5400	Mynx 5400/50	Mynx 6500	Mynx 6500/50	Mynx 7500	Mynx 7500/50	Mynx 9500
Max. spindle speed	Belt	r/min	8000 {12000}	6000 {6000} {8000}	8000 {12000}	6000 {6000} {8000}	8000 {8000} {12000}	6000 {6000} {8000}	-
	Gear		-	{6000}	-	{6000}	-	{6000}	6000
	Built in		-	-	-	-	-	-	{10000}
Max. spindle power	Belt	kW (Hp)	15 (20.1)/ 11 (14.8) {15.6 (20.9)/ 15 (20.1)}	15 (20.1)/ 11 (14.8) {18.5 (24.8)/ 15 (20.1)/ 11 (14.8)}	15 (20.1)/ 11 (14.8) {15.6 (20.9)/ 15 (20.1)}	15 (20.1)/ 11 (14.8) {18.5 (24.8)/ 15 (20.1)/ 11 (14.8)}	22 (29.5)/ 15 (20.1) {15 (20.1)/ 11 (14.8)}	18.5 (24.8)/ 15 (20.1) {22 (29.5)/ 18.5 (24.8)}	-
	Gear		-	{30 (40.2)/ 18.5 (24.8)}	-	{30 (40.2)/ 18.5 (24.8)}	-	{30 (40.2)/ 18.5 (24.8)}	30 (40.2)/ 18.5 (24.8)
	Built in		-	-	-	-	-	-	{30/25 (40.2/33.5)}
Max. spindle torque	Belt	N·m (ft·lbs)	191.1 (140.9) {165.7 (122.2)}	286.4 (211.2) {306.9 (226.3)/ 286.4 (211.2)}	191.1 (140.9) {165.7 (122.2)}	286.4 (211.2) {306.9 (226.3)/ 286.4 (211.2)}	140.1 (103.3) {191.1 (140.9)/ 165.7 (122.2)}	306.9 (226.3) {365.5 (269.5)/ 286.4 (211.2)}	-
	Gear		-	{617.4 (455.6)}	-	{617.4 (455.6)}	-	{617.4 (455.6)}	617.4 (455.6)
	Built in		-	-	-	-	-	-	{420 (310.0)}
Taper	-	-	ISO #40	ISO #50	ISO #40	ISO #50	ISO #40	ISO #50	ISO #50
Travel distance (X / Y / Z)	mm (inch)	-	1020 / 540 / 530 (40.2 / 21.3 / 20.9)	-	1270 / 670 / 625 (50.0 / 26.4 / 24.6)	-	1525 / 762 / 625 (60.0 / 30.0 / 24.6)	-	2500 / 950 / 850 (98.4 / 37.4 / 33.5)
Tool storage capa.	ea	-	30 {40}	24	30 {40}	24 {30}	30 {40}	24 {40}	30 {40}
Table size	mm (inch)	-	1200 x 540 (47.2 x 21.3)	-	1400 x 670 (55.1 x 26.4)	-	1600 x 750 (63.0 x 29.5)	-	2500 x 950 (98.4 x 37.4)
NC system	-	-	DOOSAN FANUC i { HEIDENHAIN iTNC 530 / SIEMENS 828D}						

{ } Option



## Doosan Machine Tools

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