



PRODUCT LINEUP



DN SOLUTIONS

Overview

Product Full Line-up

Full Line-up of Products

Chinese Products

Turning Center

Machining Center

Double Column
Machining Center

Boring Machine

Korean Products

Turning Center

Machining Center

Double Column
Machining Center

Boring Machine

IDOO CONTROL Optimal Technology

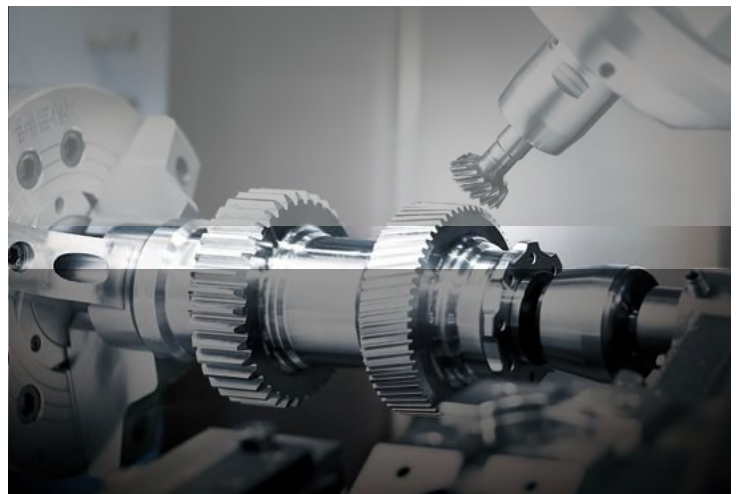
Global Support
Network
Overseas Supplies
System



DN Solutions considers customers as partners. To provide each customer with the most practical solutions, we persistently reform the philosophy, process and business model of DN machines in addition to product and technical aspects. DN Solutions increases the business value of partners through the best solutions, laying a solid foundation for customer success.

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Turning Center
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iDOO CONTROL
Optimal Technology

Global Support
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Continuous Innovation for Advanced Products & Technology

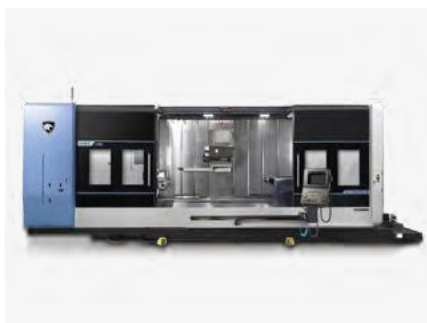
Whatever your needs are, we have the products you need.
Our full line of competitive high-value machine tools delivers
unmatched performance and precision.

Full Line-up of Products

Horizontal turning centers



Multi-tasking turning centers



Ram type vertical turning centers



Double column machining centers

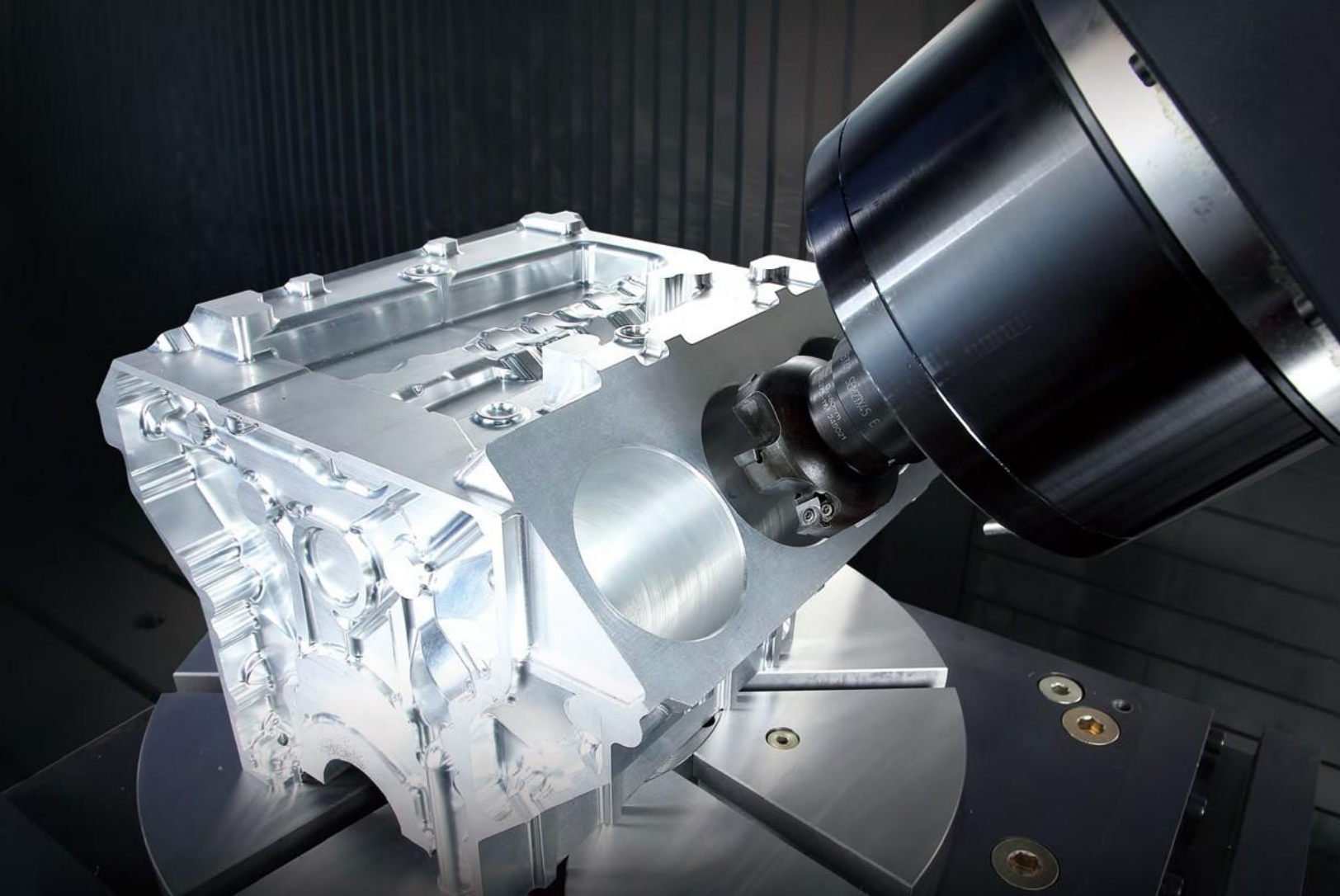


Linear Pallet System



Round Pallet System





Vertical machining centers



5-axis vertical machining centers



Die & mold vertical machining centers



Horizontal machining centers



Auto work-piece change system



Swiss type turning centers



Vertical turning centers



Horizontal boring mills



Overview		Optimal solutions through advanced technologies	
Product Full Line-up Full Line-up of Products	High quality products cannot be separated from advanced equipment and a comprehensive quality management system. We utilize cutting-edge FMS/CIM equipment, precision machining equipment, and new heat treatment equipment. It is built by skilled technicians and has undergone a strict quality management system, making effort to provide customers with the highest quality products.		
	Chinese Products Turning Center Machining Center Double Column Machining Center Boring Machine Korean Products Turning Center Machining Center Double Column Machining Center Boring Machine IDOO CONTROL Optimal Technology Global Support Network Overseas Supplies System	China Product Series Turning Centers Economic LEO 225/235 High Efficiency Lynx 2205G Lynx 2105LY/2105LSY Lynx 225II / 225MII Lynx 235II / 235MII Lynx 305 / 3 0 5 M High Performance PUMA 215II / PUMA 2450/ 2450M PUMA 3050 / 3050M / 3050L / 3050LM PUMA 3550 PUMA 4005 / 4005L / 4005XL / 4005C PUMA 4005M / 4005LM / 4005XLM PUMA 605[L] / 705[L] / 805[L] High-performance Vertical Turning Center PUMA V405 / 405M, PUMA V8305/ 8305M Aluminum Wheel Turn AW 5605 /AW 6605 / AW 5605MF VAW 7605 Twin Spindle PUMA TW2605/ TW2605GL Machining Centers Tapping Center T 4005/ 4005L / 4005HP / T5505 High Efficient Vertical Machining Center DNM 4505 / 5705 / 6705 DNM 5005HS DNM 515/50 655/50 755/50 SVM 4105/5105L High Productivity Vertical Machining Center CMV 920II Mynx 5450 / 6550 High Productivity Twin Table V4305 High Speed Horizontal Machining Center NHP 5005/ NHP 5550/ 6350 / 8005 NHP 5550S / 8 0 0 5 S High Performance,Heavy Duty HM 635II/ 805II/ 1005 /1255/1255W NHM 6305 / 8005 High Rigidity,High Precision Horizontal Boring Machine DBC 135II/135L II Double Column BMC 2745, DBM 2545	Korean Product Series Turning Centers Horizontal Turning Centers Compact Lynx 2000 Lynx 2100 Lynx 2600 Lynx 210 Lynx 220 Multi-Axis PUMA TT1300 PUMA TT1800 PUMA TT2100 PUMA TT2500 PUMA TL2000 PUMA TL2500 Aluminum Wheel Turn PUMA AW560 II / 660 II PUMA AW 560-MF II PUMA VAW7500 / 800 Twin Spindle PUMA TW2100 PUMA TW2600 Twin Spindle with Gantry Loader PUMA TW2100-GL PUMA TW2600-GL High Performance PUMA 2100 PUMA 2600 PUMA 3100 PUMA GT2100 PUMA GT2600 PUMA GT3100 PUMA 4100 PUMA 5100 PUMA 600 II/ 700 II/ 800 II PUMA 1000

Korean Product Series

Machining Centers / DCM / HBM

Multi-Tasking Turning Centers

PUMA MX1600

S T

SMX 2100

STD S ST B

SB STB

SMX 2600

STD S ST

SMX 3100

STD L S LS

ST

SMX 5100

L LS LB LSB

XL XLB

Vertical Turning Centers

PUMA V400

STD -2SP M

PUMA V400P

STD

PV 8300

STD -2SP M M-2SP

PV 9300

STD -2SP M M-2SP

PUMA VT1100

STD M

Ram Type

PUMA VTR1012

F FC

PUMA VTR1216

STD M F FM FC

PUMA VTR1620

STD M

PUMA VTR2025

STD M

Grinding machine for quartz,
ceramic materials

XG 600 / 800

Swiss Type Turning Centers

PUMA ST10GS II

PUMA ST20GS II / 26GS II

PUMA S T 35GS II/ 38GS II

M Milling

L Long Bed

G Gang type

T LowerTurret

2SP Twin Spindle

F Cross rail fixed type

Y Y-axis Milling

S Sub Spindle (Right Spindle)

GL Gantry Loader

XL Extra Long Bed

B* Big Bore (only PUMA 800)

STD Standard model

A B C Chuck size

Vertical Machining Centers

Tapping Centers

T 4000

STD L HP HS LHS

LHP

Compact

DEM 4000

STD

High Productivity & Heavy Duty

DNM 4000

STD

SVM 4100

STD

DNM 4500

STD S L

DNM 5700

STD S L

DNM 6700

STD L XL

/50 II

DNM 650

P II /50 II

DNM 750

II /50 II L II L/50 I

Mynx 5400 II

STD /50

Mynx 6500 II

STD /50

Mynx 7500 II

STD /50

Mynx 9500

STD

High Speed, High Precision

BVM 5700

STD

2-Spindle Vertical Machining Center for High Productivity

VC 4000D-2SP

XC 4000D-2SP

XC 4000DA-2SP

DMP 500-2SP

DMP 570/50-2SP

Dual Pallet / 2 spindle

GVX 2430

VC 3600

VC 3600/30

VC 430 / 510

5-axis

DVF 4000

D V F 5 0 0 0

STD

D V F 6 5 0 0

STD T

DVF 8000

STD T T/50

DNM 200/5AX,

DNM350/5AX

VC 630/5AX

FM 200/5AX linear,

FM350/5AX linear

Multi Purpose

VCF 850 II

VCF 5500

SR LSR

L UL SL

Die & Mold

VM 5400 / 6500, VM 560

VM 750

STD L

VM 960

STD L

VM 1260

Vertical Machining Centers

Die & Mold

MD 6700

DVM 500 II / 650 II

NX 5500 II

MP 6500

Special Machining

VX 6500C

(Ceremic Machining)

VX 6500G

(Graphite Machining)

Horizontal Machining Centers

High Speed

NHP 5000

STD S

NHP 5500

STD S 5500²

NHP 4000 / 6300 / 8000

Heavy Duty

NHM 5000 / 6300 / 8000

Compact

HC 400 II/ 500 II

HM 1000

HM 1250

STD W

5-axis

DHF 8000

STD ST

HFP 1540

Bridge Type Machining Centers

BM 1530 / 2035

STD M

BM 2740

STD M U

Five Face Double Column Machining Centers

DBM 1525s

DBM2030/2040/2540/2550/3050

DBM 3060/3080

DCM2740F II / 2750F II / 2760F II / 2780F II

DCM3250F II / 3260F II / 3280F II / 3780F II

DCM 37100F II/ 4280F

DCM 3150H

STD U

STD

STD U

STD U

STD U

Horizontal Boring Mills

DBC 110

DBC 130

DBC 160

DBC 250

S II

S II L II

STD

II

Double Column Horizontal Boring Mills

DBD 1270

Overview

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Turning Center

Machining Center

Double Column Machining Center

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IDOO CONTROL
Optimal Technology

Global Support Network
Overseas Supplies
System

China Product Series

Turning Center

Economic/Efficient Horizontal Turning Center

Lynx 2205G

New 6inch Row Type Horizontal Turning Center



Lynx 2205G

	Item	Unit	Lynx 2205G	
CAPACITY	Max.Workpiece Length	m m	312	
	Bar Working Dia.	m m	Ø45	
SPINDLE	Chuck Dia.	m m	Ø169	
	Max.Spindle Power	kW	7.5	
	Max.Spindle Speed	r / min	6000	
	Max.Spindle Torque	N · m	70	
FEEDRATE	Travel Distance	X- axis	m m	440
		Z- axis	m m	320
	Rapid Traverse Rate	X- axis	m / m	30
			in	
		Z- axis	m / min	30
TURRET	No.of Tool Stations	ea.	4	

Lynx E series

High-productivity Horizontal Turning Center



Lynx E225 II / Lynx E235 II

	Item	Unit	Lynx E225 II	Lynx E235 II
CAPACITY	Max.Turning Dia.	m m	Ø320	Ø320
	Max.Workpiece Length	m m	306	525
	Bar Working Dia.	m m	Ø45	Ø51
SPINDLE	Chuck Dia.	m m	Ø169	Ø210
	Max.Spindle Power	kW	7.5	11
	Max.Spindle Speed	r/min	6000	5000
	Max.Spindle Torque	N · m	69	105
FEEDRATE	Travel Distance	X- axis	m m	175
		Z- axis	m m	330
	Rapid Traverse Rate	X- axis	m / min	30
		Z- axis	m / min	36
TURRET	No.of Tool Stations	ea.	12	12

Lynx series

6 inch Chuck Efficient Horizontal Turning Center



Lynx 225 II / 225M II

	Item	Unit	Lynx 225 II	Lynx 225M II
CAPACITY	Max.Turning Dia.	m m	Ø320	Ø250
	Max.Workpiece Length	m m	314	290
	Bar Working Dia.	m m	Ø45	Ø51
SPINDLE	Chuck Dia.	m m	Ø169	Ø175
	Max.Spindle Power	kW	18.5	18.5
	Max.Spindle Speed	r/min	6000	6000
	Max.Spindle Torque	N · m	117.8	117.8
FEEDRATE	Travel Distance	X- axis	m m	175
		Z- axis	m m	330
	Rapid Traverse Rate	C- axis	deg	-
		X- axis	m / min	30
		Z- axis	m / min	36
		C- axis	r/min	-
TURRET	No.of Tool Stations	ea.	12	12

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- Turning Center
- Machining Center
- Double Column Machining Center
- Boring Machine

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- Turning Center
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IDOO CONTROL
Optimal Technology

Global Support
Network
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Turning Center

High Efficiency Turning Center

Lynx series

6 inch Chuck Efficient Horizontal Turning Center



Lynx 2105LY

High Efficiency Horizontal Turning Center equipped with Y-axis, 8 inch Chuck and Long bed



Lynx 305

10 inch Chuck High Efficiency Horizontal Turning Center



Lynx 235 || / 235M ||

	Item	Unit	Lynx 235	Lynx 235M
CAPACITY	Max.Turning Dia.	m m	Ø320	Ø250
	Max.Workpiece Length	m m	525	480
	Bar Working Dia.	m m	Ø65	Ø65
SPINDLE	Chuck Dia.	m m	Ø210	Ø210
	Max.Spindle Power	kW	18.5	18.5
	Max.Spindle Speed	r / min	4000	4500
	Max.Spindle Torque	N · m	176.7	179.4
FEEDRATE	Travel Distance	X- axis	m m	175
		Z- axis	m m	550
		C- axis	deg	-
	Rapid Traverse Rate	X- axis	m / min	30
		Z- axis	m / min	36
		C- axis	r / min	-
				540
TURRET	No.of Tool Stations	ea.	12	12

Lynx 2105LY

	Item	Unit	Lynx 2105LY
CAPACITY	Max.Turning Dia.	m m	Ø300
	Max.Workpiece Length	m m	510
	Bar Working Dia.	m m	Ø65
SPINDLE	Chuck Dia.	inch	Ø210
	Max.Spindle Power	kW	15
	Max.Spindle Speed	r / min	4500
	Max.Spindle Torque	N · m	169
FEEDRATE	Travel Distance	X- axis	m m
		Y- axis	m m
		Z- axis	m m
	Rapid Traverse Rate	C- axis	deg
		X- axis	m / min
		Y- axis	m / min
		Z- axis	m / min
TURRET	No.of Tool Stations	C-axis	n
		r / min	200
TURRET	No.of Tool Stations	ea.	12

Lynx 305

	Item	Unit	Lynx 305
CAPACITY	Max.Turning Dia.	m m	Ø450
	Max.Workpiece Length	m m	756
	Bar Working Dia.	m m	76
SPINDLE	Chuck Dia.	m m	254
	Max.Spindle Power	kW	18.5/15
	Max.Spindle Speed	r / min	3500
	Max.Spindle Torque	N · m	403.3
FEEDRATE	Travel Distance	X- axis	m m
		Z- axis	m m
	Rapid Traverse Rate	X- axis	m / min
		Z- axis	m / min
TURRET	No.of Tool Stations	ea.	12

Turning Center

High Performance Turning Center

PUMA 215 II

Second Generation Economical and Efficient Turning Center



PUMA 215 II

	Item	Unit	PUMA 215 II	
CAPACITY	Max.Turning Dia.	m m	Ø270	
	Max.Workpiece Length	m m	522	
	Bar Working Dia.	m m	Ø65	
SPINDLE	Chuck Dia.	m m	Ø210	
	Max.Spindle Power	kW	18.5	
	Max.Spindle Speed	r / min	4500	
	Max.Spindle Torque	N · m	156	
FEEDRATE	Travel Distance	X- axis	m m	160
		Z- axis	m m	530
	Rapid Traverse Rate	X- axis	m / min	16
		Z- axis	m / min	20
TURRET	No.of Tool Stations	ea.	12	

PUMA 2450

Servo Turret, Rapid Feedrate, 10inch Chuck



PUMA 2450 / 2450M

	Item	Unit	PUMA 2450	PUMA 2450M
CAPACITY	Max.Turning Dia.	m m	Ø390	Ø300
	Max.Workpiece Length	m m	541	493
	Bar Working Dia.	m m	Ø65	Ø65
SPINDLE	Chuck Dia.	m m	Ø255	Ø255
	Max.Spindle Power	kW	18.5	18.5
	Max.Spindle Speed	r / min	3500	3500
	Max.Spindle Torque	N · m	201.8	201.8
FEEDRATE	Travel Distance	X- axis	m m	230
		Z- axis	m m	580
		C- axis	deg	-
	Rapid Traverse Rate	X- axis	m / min	24
		Z- axis	m / min	30
		C- axis	r / min	-
TURRET	No.of Tool Stations	ea.	12	12
	Max. rotary tool speed	r / min	-	5000
	Max. rotary tool torque	N · m	-	47.1

PUMA 3050

Servo Turret, Rapid Feedrate, 12inch Chuck



PUMA 3050 / 3050M / 3050L / 3050LM

	Item	Unit	PUMA 3050	PUMA 3050M	PUMA 3050L	PUMA 3050LM
CAPACITY	Max.Turning Dia.	m m	Ø460	Ø410	Ø460	Ø410
	Max.Workpiece Length	m m	638	590	1058	1022
	Bar Working Dia.	m m	Ø76	Ø76	Ø76	Ø76
SPINDLE	Chuck Dia.	m m	Ø304	Ø304	Ø304	Ø304
	Max.Spindle Power	kW	18.5	18.5	18.5	18.5
	Max.Spindle Speed	r / min	3000	3000	3000	3000
	Max.Spindle Torque	N · m	401.2	401.2	401.2	401.2
FEEDRATE	Travel Distance	X- axis	m m	265	265	265
		Z- axis	m m	680	680	1100
		C- axis	deg	-	360	-
	Rapid Traverse Rate	X- axis	m / min	24	24	24
		Z- axis	m / min	30	30	30
		C- axis	r / min	-	200	-
TURRET	No.of Tool Stations	ea.	10	12	10	12
	Max.rotaty tool speed	r / min	-	5000	-	5000
	Max.rotaty tool torque	N · m	-	47.1	-	47.1

Overview

Turning Center

Profuct Full Line-up Medium to Large High Performance Horizontal Turning Center

Full Line-up of Products

PUMA 3550

1 5 inch Chuck High Performance Horizontal Turning Center

Chinese Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
- Boring Machine

Korean Products

- Turning Center
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PUMA 3550

	Item	Unit	PUMA 3550	
CAPACITY	Max.Turning Dia.	m m	Ø481	
	Max.Workpiece Length	m m	1270	
	Bar Working Dia.	m m	Ø102	
SPINDLE	Chuck Dia.	m m	Ø381	
	Max.Spindle Power	kW	22	
	Max.Spindle Speed	r / m i n	2500	
	Max.Spindle Torque	N · m	1123	
FEEDRATE	Travel Distance	X- axis	m m	260
		Z- axis	m m	1350
	Rapid Traverse Rate	X- axis	m / m i n	24
		Z- axis	m / m i n	30
TURRET	No.of Tool Stations	e a.	10	

iDOO CONTROL
Optimal Technology

PUMA 4005

High Performance Horizontal Turning Center with a Maximum Processing Length of 3m

- Global Support
- Network
- Overseas Supplies
- System



PUMA 4005/4005L/4005XL/4005C/4005M/4005LM/4005XLM

	Item	Unit	PUMA 4005	PUMA 4005L	PUMA 4005XL	PUMA 4005C	PUMA 4005M	PUMA 4005LM	PUMA 4005XLM
CAPACITY	Max.Turning Dia.	m m	Ø550m	Ø550	Ø550	Φ550	Ø560	Ø560	Ø560
	Max.Workpiece Length	m m	1042	2092	3120	1042	978	3120	3068
	Bar Working Dia.	m m	Ø116.5	Ø116.5	Ø116.5	Ø165.5	Ø116.5	Ø116.5	Ø116.5
SPINDLE	Chuck Dia.	inch	15	15	15	21	15	15	15
	Max.Spindle Power	kW	35/22	35/22	35/22	37/30	35/22	35/22	35/22
	Max.Spindle Speed	r / m i n	2000	2000	2000	1500	2000	2000	2000
	Max.Spindle Torque	N · m	2379	2379	2379	3280	1611	1611	1611
	Travel Distance	X- axis	352	352	352	352	352	352	352
FEEDRATE	Rapid	X- axis	m / m i n	16	16	16	16	16	16
		Z- axis	m / m i n	20	20	20	20	20	20
	Traverse	Z- axis	m / m i n	20	20	20	20	20	20
TURRET	No.of Tool Stations	ea.	10	10	10	10	12	12	12

PUMA 605/705/805

Large High-Performance Horizontal Turning Center with a Maximum Processing Length of 3.2m



PUMA 605/605L/705/705L/805/805L

	Item	Unit	PUMA 605 [L]	PUMA 705 [L]	PUMA 805 [L]
CAPACITY	Max.Turning Dia.	m m	Ø900	Ø900	Ø900
	Max.Workpiece Length	m m	1600 [3200]	1600 [3200]	1600 [3200]
	Bar Working Dia.	m m	Ø117	Ø164	-
SPINDLE	Max.Spindle Power	kW	55 / 45 / 37	55 / 45 / 37	55 / 45 / 37
	Max.Spindle Speed	r/min	1800	1500	750
	Max.Spindle Torque	N · m	6622	8076	8076
	Travel Distance	X- axis	m m	470	470
FEEDRATE	Rapid Tra	X- axis	m / m i n	12	12
		Z- axis	m / m i n	16[10]	16[10]
	verse Rate	Z- axis	m / m i n	16[10]	16[10]
TURRET	No.of Tool Stations	ea.	12	12	12

[]: L Machince parameters

Turning Center

High Performance Vertical Turning Center /Vertical Aluminum Wheel Turns

PV 405 / 405M

Strong player in the field of automotive brake disc processing worldwide, meeting customers' efficient production needs



PV 405 / 405M

	Item	Unit	PV 405	PV 405M
CAPACITY	Max.Turning Dia.	m m	Ø496	Ø420
	Max.Workpiece Length	m m	461	400
SPINDLE	Chuck Dia.	m m	Ø304	Ø304
	Max.Spindle Power	kW	22/18.5	22/18.5
	Max.Spindle Speed	r/min	3000	3000
	Max.Spindle Torque	N · m	731	731
FEEDRATE	Travel Distance	X- axis m m	268	268
		Z- axis m m	488	488
	Rapid Traverse Rate	X- axis m/min	20	20
		Z- axis m/min	20	24
TURRET	No.of Tool Stations	ea.	12	12

PUMA V8305 / V8305M

New 15inch Medium to Large Vertical Turning Center



PUMA V8305 / V8305M

	Item	Unit	PUMA V8305	PUMA V8305M
CAPACITY	Max.Turning Dia.	m m	Ø830	Ø830
	Max.Workpiece Length	m m	780	690
SPINDLE	Chuck Dia.	m m	Ø381	Ø381
	Max.Spindle Power	kW	30 / 22	30 / 22
	Max.Spindle Speed	r/min	2000	2000
	Max.Spindle Torque	N · m	1345	1345
FEEDRATE	Travel Distance	X- axis m m	495	495
		Z- axis m m	780	780
	Rapid Traverse Rate	X- axis m/min	20	20
		Z- axis m/min	20	20
TURRET	No.of Tool Stations	ea.	8	12

VAW 7605

Twin Turret Vertical Wheel Turn, Machining Wheel Size 17.5-27.5 inch



VAW 7605

	Item	Unit	VAW 7605
CAPACITY	Max.Turning Dia.	m m	Ø720
	Max.Workpiece Depth	m m	340
	Max.Turning Wheel Size	m m	27.5
SPINDLE	Max.Spindle Speed	r/min	2000
	Max.Spindle Torque	N · m	692
	Max.Spindle Power	kW	55
FEEDRATE	Travel Distance	X- axis m m	500
		Z- axis m m	500
	Rapid Traverse Rate	X- axis m/min	24
		Z- axis m/min	16
TURRET	No.of Tool Stations	ea.	6+6

Overview

Product Full Line-up

Full Line-up of Products

Chinese Products

Korean Products

IDOO CONTROL
Optimal Technology

Global Support
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Overseas
Supplies System

Turning Center

Horizontal Wheel Turns / Twin Spindle Turning Center / High Rigidity,High Precision Swiss Type Turning Center

AW 5605 / AW 6605 / AW 5605MF

The Leader in the World Aluminum Wheel Turning Market:
The Second Generation Aluminum Wheel Turn.



AW 5605 / AW 6605 / AW 5605MF

	Item	Unit	AW5605	AW6605	AW 5605MF
CAPACITY	Max.Turning Dia.	m m	Ø690	Ø700	Ø690
	Recommended, Turning Dia (Wheel)	inch	20	24	20
	Max.Spindle Power	kW	37	37	30
SPINDLE	Max.Spindle Speed	r / min	3000	2000	2500
	Max.Spindle torque	N · m	461	537	699
		X- axis m m	362	362	362
FEEDRATE	Travel	Z- axis m m	720	720	720
	Rapid Trav	X- axis m / m i n	16	16	16
	erse Rate	Z- axis m / m i n	20	20	20
TURRET	No.of Tool Stations	e a.	12	12	12

PUMA TW2605 series

10inch,High Productivity Twin Spindle Horizontal Turning Center



PUMA TW2605 / TW2605-GL

	Item	Unit	PUMA TW2605	PUMA TW2605-GL
CAPACITY	Max.Turning Dia.	m m	Ø360	Ø200 / 50
	Max.Turning Length	m m	170	90 / 165
SPINDLE	Max.Spindle Speed	r / min	3500	3500
	Max.Spindle Torque	N · m	202	202
	Max.Spindle Power	kW	18.5 / 15	18.5 / 15
FEEDRATE		X- axis m m	190	190
	Travel Distance	Z- axis m m	180	180
	Rapid Traverse Rate	X- axis m / m i n	24	24
		Z- axis m / m i n	24	24
TURRET	No.of Tool Stations	e a.	10+10	10+10

Machining Center

Tapping Center / High Productivity,Light Cutting Vertical Machining Center

T series

Equipped with servo ATC and highly reliable spindle, the T-series improves production efficiency.



T 4005 / 4005L / 4005HS / 4005HP / 5505

	Item	Unit	T 4005	T 4005L	T 4005HS	T 4005HP	T 5505
TRAVEL	X / Y / Z travel	m m	520/400/350	700/400/350	520/400/350	520/400/350	850/550/350
TABLE	Table size	m m	650 x 400	850 x 400	650 x 400	650 x 400	1000 x 600
	Table loading capacity	kg	300	300	300	300	200
	Max. spindle motor power	kW	5.5/3.7 {7.5/3.7}	5.5/3.7 {7.5/3.7}	3.7/2.2	26/9	5.5/3.7
SPINDLE	Max. spindle speed	r/min	12000	12000	24000	12000	20000
	Max. spindle torque	N · m	35{47.7}	35{47.7}	23.6{21}	33.1	21{35}
ATC	Tool storage	ea.	14{21}	14{21}	14{21}	21	21
	Tool shank	-	MAS403 BT30	MAS403 BT30	MAS403 BT30	MAS403 BT30	MAS403 BT30
FEEDRATE	Rapid traverse rate(X/Y/Z)	m/min	56/56/56	56/56/56	56/56/56	56/56/56	42/42/48

{ } : Option

DNM series

Global Standard, Word Bestselling High Speed Vertical Machining Center



DNM 4005 / 5005HS

	Item	Unit	DNM 4005	DNM 5005HS
TRAVEL	X / Y / Z travel	m m	520 / 400 / 480	1050 / 570 / 510
TABLE	Table size	m m	650 x 400	1300 x 570
	Table loading capacity	kg	400	1000
SPINDLE	Max. spindle motor power	kW	15/7.5{11/7.5}	18.5/11
	Max. spindle speed	r/min	12000 {20000}	15000
	Max. spindle torque	N · m	95.5 {70}	117.8
ATC	Tool storage	ea.	20	24{30/40}
	Tool shank	-	MAS403 BT 40	BT40
FEEDRATE	Rapid traverse rate (X / Y / Z)	m/min	48 / 48 / 48	42 / 42 / 42

{ } : Option

DNM series

Global Standard, Word Bestselling #40 High Productivity

Vertical Machining Center



DNM 4505 / 5705 / 6705

	Item	Unit	DNM 4505	DNM 5705	DNM 6705
TRAVEL	X / Y / Z travel	m m	800/450/510	1050/570/510	1300/670/625
TABLE	Table size	m m	1000 x 450	1300 x 570	1500 x 670
	Table loading capacity	kg	600	1000	1300
	Max. spindle motor power	kW	18.5/11	18.5/11	18.5/15
SPINDLE	Max. spindle speed	r/min	8000{12000}	8000{12000}	8000{12000}
	Max. spindle torque	N · m	117.8	117.8	117.8
ATC	Tool storage	ea.	24{30/40}	24{30/40}	24{30/40}
	Tool shank	-	BT40	BT40	BT40
FEEDRATE	Rapid traverse rate (X / Y / Z)	min	36/36/30	36/36/30	36/36/30

{ } : Option

Overview

Product Full Line-up

Full Line-up of Products

Chinese Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
- Boring Machine

Korean Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
- Boring Machine

IDOO CONTROL
Optimal Technology

Global Support
Network
Overseas Supplies
System

Machining Center

High-Productivity Vertical Machining Center / High Productivity,Light Cutting Vertical Machining Center /
High Rigidity Fully Hard Rail Vertical Machining Center

DNM series

Global Standard, Word Bestselling #50High Productivity
Vertical Machining Center



SVM 4105

High Productivity,Light Cutting Vertical Machining
Center



CMV 920 II

High Rigidity, Full Hard Rail Vertical Machining Center, Designed
Specifically for Chinese Customers and Selling Well in China



DNM 515/50, 655/50, 755/50

	Item	Unit	DNM 515/50	DNM 655/50	DNM 755/50
TRAVEL	X / Y / Z travel	m m	1020/540/510	1270/670/625	1030/762/650
TABLE	Table size	m m	1200x540	1300x670	1630 x 760
	Table loading capacity	kg	800	1300	1500
SPINDLE	Max. spindle motor power	kW	15/11	22/11 {26/22}	22/11 {26/22}
	Max. spindle speed	r/min	8000	8000{10000}	8000{10000}
	Max. spindle torque	N · m	286.4	353.2{165.5}	353.2{165.5}
ATC	Tool storage	ea.	24{30}	24{30}	24{30}
	Tool shank	-	BT50	BT50	BT50
FEEDRATE	Rapid traverse rate (X / Y / Z)	m / min	36/36/30	36/36/30	30 / 30 / 24

{ } : Option

SVM 4105

	Item	Unit	SVM 4105
TRAVEL	X / Y / Z travel	m m	770/410/510
TABLE	Table size	m m	920 x 410
	Table loading capacity	kg	600
	Max. spindle motor power	kW	18.5/5.5
SPINDLE	Max. spindle speed	r/min	12000
	Max. spindle torque	N · m	95.5
ATC	Tool storage	ea.	24{30}
	Tool shank	-	BT40
FEEDRATE	Rapid traverse rate (X / Y / Z)	m / min	36 / 36 / 36

{ } : Option

CMV 920 II

	Item	Unit	CMV 920 II
TRAVEL	X / Y / Z travel	m m	920 / 510 / 510
TABLE	Table size	m m	1000 x 500
	Table loading capacity	kg	800
	Max. spindle motor power	kW	15/11
SPINDLE	Max. spindle speed	r/min	8000
	Max. spindle torque	N · m	191.1
ATC	Tool storage	ea.	24 {30/40}
	Tool shank	-	BT40
FEEDRATE	Rapid traverse rate (X / Y / Z)	m / min	30 / 30 / 24

{ } : Option

Machining Center

Heavy Cutting Vertical Machining Center / Twin Table Vertical Machining Center / High Performance Horizontal Machining Center

Mynx series

New Generation Vertical Machining Center with BT50 Powerful Cutting Capability, High Speed and Improved Productivity.



Mynx 5450 / 6550

	Item	Unit	Mynx 5450	Mynx 6550
TRAVEL	X / Y / Z travel	m m	1040 / 540 / 530	1270 / 670 / 625
TABLE	Table size	m m	1200 x 540	1400x670
	Table loading capacity	kg	800	1000
	Max. spindle motor power	kW	15/11	15/11
SPINDLE	Max. spindle speed	r/min	6000 {8000}	6000 {8000}
	Max. spindle torque	N · m	286.4	286.4
AUTOMATIC TOOL CHANGE (ATC)	Tool storage	ea.	24	24
	Tool shank	-	BT50	BT50
FEEDRATE	Rapid traverse rate (X / Y / Z)	m/min	30 / 30 / 20	30 / 30 / 24

{ }: Option

V 4305

Compact, Efficient Vertical Machining Center with high productivity dual station exchange table and column movable design



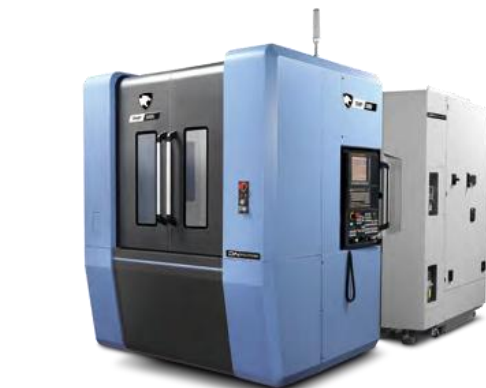
V 4305

	Item	Unit	V 4305
TRAVEL	X / Y / Z travel	m m	560 / 430 / 570
TABLE	Table size	m m	2-712 x 470
	Table loading capacity	kg	2-300
	Max. spindle motor power	kW	18.5/11
SPINDLE	Max. spindle speed	r/min	8000 {12000}
	Max. spindle torque	N · m	117.8
AUTOMATIC TOOL CHANGE (ATC)	Tool storage	ea.	24 {30}
	Tool shank	-	BT40
FEEDRATE	Rapid traverse rate (X / Y / Z)	m/min	40 / 40 / 36

{ }: Option

NHP series

High Performance Horizontal Machining Center
Using # 40 Standard



NHP 4005S / 5005

	Item	Unit	NHP 4005S	NHP 5005
TRAVEL	X / Y / Z travel	m m	560/640/660	730/730/880
TABLE	Table size	m m	400 x 500	2-500 x 500
	Table loading capacity	kg	400	500
	Max. spindle motor power	kW	30/18.5 {37/22, 37/30}	30/18.5
SPINDLE	Max. spindle speed	r/min	15000{6000}	15000
	Max. spindle torque	N · m	230{809}	230
AUTOMATIC TOOL CHANGE (ATC)	Tool storage	ea.	40 {60/80/120/ 171/275}	40 {60/80/120/ 171/275}
	Tool shank	-	BT40	BT40
FEEDRATE	Rapid traverse rate (X / Y / Z)	m/min	60 / 60 / 60	60 / 60 / 60

{ }: Option

Machining Center

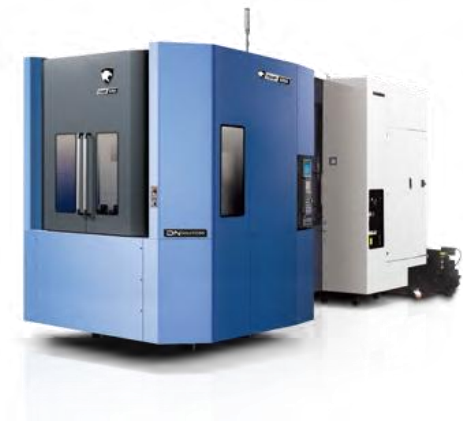
Product Full Line-up

High Performance Horizontal Machining Center / High Rigidity,Heavy Duty Horizontal Machining Center

Full Line-up of Products

NHP sries

High Performance Horizontal Machining Center Using # 50 Standard



NHP 5550 / 5550S / 6350 / 8005

	Item	Unit	NHP 5550	NHP 5550S	NHP 6350	NHP 8005
TRAVEL	X / Y / Z travel	m m	800/750/850			1400/1200/1370
			1050/900/1000			
TABLE	Table size	m m	500 x 500	500 x 600	630 x 630	800×800
	Table loading capacity	kg	800	800	1500	2000
	Max. spindle motor power	kW	45/25 {37/22, 37/30}	45/25 {37/22, 37/30}	45/25 {37/22, 37/30}	45/25 {37/22, 37/30}
SPINDLE	Max. spindle speed	r/min	10000 {6000/15000}	10000 {6000/15000}	10000 {6000/15000}	10000 {6000/15000}
	Max. spindle torque	N · m	600{809/398}	600{809/398}	600{809/398}	600{809/398}
AUTOMAT IC TOOL CHANGE (ATC)	Tool storage	ea.	40{60/90/120}	40{60}	40{60/90/120}	40{60/90/ 120/150}
	Tool shank	-	BT50	BT50	BT50	BT50
FEEDRAT E	Rapid traverse rate (X / Y / Z)	m/min	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	40/40/40

Chinese Products

- Turning Center
- Machining Center
- Double Column Machining Center
- Boring Machine

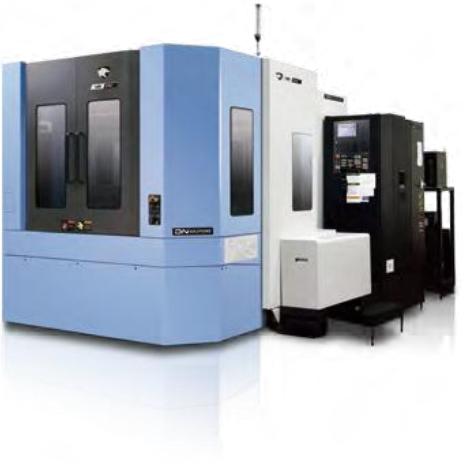
Korean Products

- Turning Center
- Machining Center
- Double Column Machining Center
- Boring Machine

IDOO CONTROL
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HM series

A Fully Hard Rail High Rigidity Horizontal Machining Center designed specifically for Chinese customers



HM 635 Ⅱ / 805 Ⅱ / 1005 / 1255 / 1255W

	Item	Unit	HM 635 Ⅱ	HM 805 Ⅱ	HM 1005	HM 1255	HM 1255W
TRAVEL	X / Y / Z travel	m m	1000/800/ 1250/1000/ 850	1000	2100/1250/ 1250	2100/1500/ 1500	2100/1400/ 1400
TABLE	Table size	m m	630x630	800x800	1000 x 1000 (1250 x 1000)	1250 x 1250 (1250 x 1000)	
	Table loading capacity	kg	1200	1600	3000 {5000}	5000	
	Max. spindle motor power	kW	22/18.5 {26/22}		26/22 {37/30, 26/22, 45/37}	26/22 {45/37}	
SPINDLE	Max. spindle speed	r/min		6000		6000 {8000}	3000
	Max. spindle torque	N · m	1675.8 {1989.4}		1989.4 {3687/1410/3439}	1137 {1910}	
ATC	Tool storage	ea.	40 {60/90/120}			60 {90/120/196/256/316}	
	Tool shank	-			BT / CAT / DIN 50		
FEEDRAT TE	Rapid traverse rate (X/Y/Z)	m/min			24/24/24		

{ } : Option

Global Support
Network
Overseas Supplies
System

NHM series

#50 Fully Hard Rail High Rigidity,Heavy Duty Horizontal Machining Center



NHM 6305 / 8005

	Item	Unit	NHM 6305	NHM 8005
TRAVEL	X / Y / Z travel	m m	1050/850/1000	1400/1050/1200
TABLE	Table size	m m	2-630X630	2-800X800
	Max. spindle speed	r/min	6000 {8000}	6000 {8000}
SPINDLE	Max. spindle motor power	kW	30/18.5 {35/22, 37/30}	35/22{37/30}
	Max. spindle torque	N · m	1238 {1444/1732/1991}	1445 {1444/1732/1991}
AUTOMATI C TOOL CHANGE (ATC)	No.of Pallet	ea.	2	2
	Tool storage	ea.	40 {60/90/120/150}	40 {60/90/120/150}
	Tool shank	-	BT50	BT50
FEEDRATE	Rapid traverse rate (X / Y / Z)	m/min	30/30/30	24/24/24

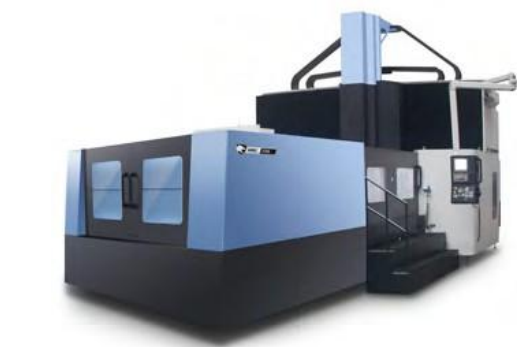
{ } : Option

Double Column Machining Center / Boring Machine

Multi Purpose Double Column Machining Center / High Rigidity,High Precision Heavy Duty Horizontal Boring Mill

BMC series

High Precision,Heavy Duty Double Column Machining Center



BMC 2745

	Item	Unit	BMC 2745
TRAVEL	X / Y / Z travel	m m	4000/2700/800
	Table size	m m	4000x2200
TABLE	Table loading capacity	kg	15000
	Max. spindle motor power	kW	35 / 22
SPINDLE	Max. spindle speed	r / min	6000
	Max. spindle torque	N · m	891
ATC	Tool storage	ea.	24
FEEDRATE	Rapid traverse rate (X / Y / Z)	m / min	16/16/16

DBM series

Multi Purpose Fixed Beam Double Column Machining Center capable of high-precision 5-sided machining



DBM 2545

	Item	Unit	DBM 2545
TRAVEL	X / Y / Z travel	m m	4250/3000{+700} / 800 {1100}
	Table size	m m	4000x2000
TABLE	Table loading capacity	kg	18000
	Max. spindle motor power	kW	55 / 37
SPINDLE	Max. spindle speed	r / min	6000{8000}
	Max. spindle torque	N · m	1009
ATC	Tool storage	ea.	40{60/90}
FEEDRATE	Rapid traverse rate (X / Y / Z)	m / min	20/20/15

{ } : Option

DBC series

Column Mobile Horizontal Boring Mill using the most advanced technology



DBC 135S/135 II

	Item	Unit	DBC 135S	DBC 135 II
TRAVEL	X / Y / Z travel	m m	2000/1500/1200	3000/2000/1600
	W travel	m m	600	700
FEEDRATE	X / Y / Z -axis Rapid traverse rate	m / min	12/12/12	10/10/10
	W-axis Rapid traverse rate	m / min	6	6
TABLE	Table size	m m	1400x1600	1600x1800 {1800x2000, 2000x2200}
	Table loading capacity	kg	8000 {10000}	15000 {13000, 12000}
SPINDLE	Max. spindle speed	r / min	2500	2500
	Boring bar size	m m	130	130
	Max. spindle motor power	kW	37/30	26/22{30/22, 45/37}
TOOL MAGAZINE	Max. spindle motor power	ea.	40 {60/90}	40 {60/90}
	Tool shank	-	MAS403 BT50	MAS403 BT50

{ } : Option



Overview

Product Full Line-up
Full Line-up of Products

Chinese Products

Turning Center
Machining Center
Double Column Machining Center
Boring Machine

Korean Products

Turning Center
Machining Center
Double Column Machining Center
Boring Machine

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Global Support Network
Overseas Supplies System

Korean Product Series

Turning Center

Global Compact Turning Center / High Performance Horizontal Turning Center /
Global Standard Turning Center / Medium to Large Turning Center

Lynx 2000/2100/2600

Lynx 210 / 220 / 300

6, 8, 10 inch Global Compact Turning Center



Machine	Chuck (inch)	Max. Turning Dia (mm)	Max. Turning Length (mm)	Spindle Speed (r/min)	Motor* (kW)
Lynx 2000G	6/8	170	330	6000	15/11/11
Lynx 2100A / LA	6	350	330 / 550	6000	15/15/11
Lynx 2100B / LB	8	350	330 / 550	4500	15/15/11
Lynx 2100LC	10	350	537	3500	18.5/18.5/15
Lynx 2100MA / LMA	6	300	290 / 510	6000	15/15/11
Lynx 2100MB / LMB	8	300	290 / 510	4500	15/15/11
Lynx 2100LMC/LMSC	10	300	497	3500	18.5/18.5/15
Lynx 2100LMSA	6	300	510	6000	15/11/11
Lynx 2100LMSB	8	300	510	4500	15/11/11
Lynx 2100LYA / LYB	6/8	300	510	6000 / 4500	15/11/11
Lynx 2100LSYA/LSYB	6/8	300	510	6000 / 4500	15/11/11
Lynx 2100G	6	170	330	6000	18.5/15/11/11
Lynx 2600	10	380	610	3500	18.5/15
Lynx 2600M	10	460	658	3500	18.5/15
Lynx 2600Y	10	380	610	3500	18.5/15
Lynx 2600SY	10	380	610	3500	18.5/15
Lynx 210A / B	6 / 8	280	280 / 300	6000 / 5000	15/15/11
Lynx 220A / LA	6	320	322 / 542	6000	15/15/11
Lynx 220B / LB	8	320	305 / 525	5000	15/15/11
Lynx 220C / LC	8	320	305 / 525	4000	15/15/11
Lynx 220YA / YC	6/8	300 {236}	300	6000/4500	15/15/11
Lynx 300	10	450	765	3500	15/15/11
Lynx 300M	10	370	712	3500	15/15/11
		L : Long bed	M : Milling	S : Sub spindle * S3 25%/15min/Cont.	

PUMA 2100 / 2600 / 3100

High Performance Horizontal Turning Center



Machine	Chuck (inch)	Max. Turning Dia (mm)	Max. Turning Length (mm)	Spindle Speed (r/min)	Motor* (kW)
PUMA 2100 [L]	8	481	545 [785]	4500	18.5/15
PUMA 2100M / MS [LM / LMS]	8	406	520 [760]	4500	18.5/15
PUMA 2100Y II / LY II	8	406	520 / 760	5000	22/11**
PUMA 2100SY II / LSY II	8	406	520 / 760	5000	22/11**
PUMA 2600 [L]	10	481	790 [1310]	3500	22/18.5
PUMA 2600M / MS [LM / LMS]	10	376	760 [1280]	3500	22/18.5
PUMA 2600B / SB [LB]	12	481	755 [1275]	2800	22/18.5
PUMA 2600MB / MSB [LMB]	12	376	725 [1245***]	2800	22/18.5
PUMA 2600Y II / LY II	10	376	760 / 1280	4000	22/15
PUMA 2600SY II / LSY II	10	376	760 / 1280	4000	22/15
PUMA 2600YB II / SYB II [LYB II / LSYB II]	12	376	725 [1245]	2800	22/18.5
PUMA 3100 / L	12	525	790 / 1310	2800	22/18.5
PUMA 3100XL / UL	12	525	2150 / 3150	2800	22/18.5
PUMA 3100M / Y [LM / LY]	12	420	765 / 1285	2800	22/18.5
PUMA 3100SY / LSY	12	420	765 / 1285	2800 {3000}	26/18.5 {30/25}
PUMA 3100XLM / XY [ULM / ULY]	12	420	2125 / 3125	2800	22/18.5
L : Long bed XL : Xtra long bed UL : Ultra long bed M : Milling S : Sub spindle Y : Y-axis milling * 30min/Cont. ** S3 15%/Cont.					

Overview

Product Full Line-up
Full Line-up of Products

Chinese Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
- Boring Machine

Korean Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
- Boring Machine

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System

Turning Center

PUMA GT2100 / 2600 / 3100

8, 10, 12 inch Global Standard Turning Center



Machine	Chuck (inch)	Max. Turning Dia (mm)	Max. Turning Length (mm)	Spindle Speed (r/min)	Motor* (kW)
PUMA GT2100	8	390	562	4500	18.5/15/15
PUMA GT2100M	8	300	513	4500	18.5/15/15
PUMA GT2100B / MB	10	390 / 300	550 / 501	3500	18.5/15/15
PUMA GT2600 / L	10	460	658 / 1078	3500	26/22/18.5**
PUMA GT2600M / LM	10	410	610 / 1030	3500	26/22/18.5**
PUMA GT2600XLA/XLMA	10	460 / 410	1603 / 1555	3500	26/22/18.5**
PUMA GT2600XLB/XLMB	12	460 / 410	1573 / 1525	2500	26/22/18.5**
PUMA GT3100A / LA	10	481	790 / 1310	3500	35/26/22****
PUMA GT3100MA / LMA	10	376	760 / 1280	3500	22/18.5*****
PUMA GT3100 / L	12	481	755 / 1275	2800	35/26/22***
PUMA GT3100M / LM	12	376	725 / 1245	2800	22/18.5**
* 15min/Cont. ** 30min/Cont. *** S3 25%/30min/Cont. **** S3 25%/S3 60% / Cont. ***** S3 60% / Cont.					

PUMA 4100

Medium to Large Turning Center with 2-axis to
Milling Machining Capability



Machine	Chuck (inch)	Max. Turning Dia (mm)	Max. Turning Length (mm)	Spindle Speed (r/min)	Motor* (kW)
PUMA 4100A / LA / XLA	12	550	1074 / 2124 / 3152	3000	35/26/22**
PUMA 4100B / LB / XLB	15	550	1042 / 2092 / 3120	2000	35/26/22**
PUMA 4100C / LC / XLC	21	550	1002 / 2052 / 3080	1500	37/30
PUMA 4100MA / LMA / XLMA	12	550	1010 / 2060 / 3100	3000	30/22
PUMA 4100MB / LMB / XLMB	15	550	978 / 2028 / 3068	2000	30/22
PUMA 4100MC / LMC / XLMC	21	550	938 / 1988 / 3028	1500	37/30
L : Long bed M : Milling * 30min/Cont. ** S3 25%/30min/Cont.					

PUMA 5100

Medium to Large Turning Center with 2-axis to Y-axis
Machining Capability



Machine	Chuck (inch)	Max. Turning Dia (mm)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA 5100A / LA / XLA	15	650	1032 / 2082 / 3082	2000	37/30
PUMA 5100B / LB / XLB	21	650	992 / 2042 / 3042	1500	45/37
PUMA 5100C / LC / XLC	-	650	992 / 2042 / 3042	1000	45/37
PUMA 5100MA / LMA / XLMA	15	650	992 / 2042 / 3068	2000	37/30
PUMA 5100MB / LMB / XLMB	21	650	952 / 2042 / 3028	1500	45/37
PUMA 5100LYA / XLYA	15	550	2050 / 3070	2000	37/30
PUMA 5100LYB / XLYB	21	550	2020 / 3040	1500	45/37
PUMA 5100LYC	-	550	2020	1000	45/37
L : Long bed M : Milling Y : Y-axis milling * 30min/Cont.					

Turning Center

Large Horizontal Turning Center / Horizontal Multi turret Turning Center / Aluminum Wheel Turns
Twin Spindle Turning Center / Twin Spindle Turning Center with Gantry Loader

PUMA 600 II / 700 II / 800 II

Large Horizontal Turning Center with 2-axis to Y-axis
Machining Capability



Machine	Chuck (inch)	Max. Turning Dia. (mm)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA 600II / MII	18	900	1600	1800	55/45/37
PUMA 600L II/ LM II	18	900	3200	1800	55/45/37
PUMA 600XL II/ XLM II	18	900	5050	1800	55/45/37
PUMA 700 II/ MII	24	900	1600	1500	55/45/37
PUMA 700L II/ LM II	24	900	3200	1500	55/45/37
PUMA 700XL II/ XLM II	24	900	5050	1500	55/45/37
PUMA 800 II/ MII	32	900	1600	750	55/45/37
PUMA 800B II/ LB II	-	900	1600 / 3200	500	55/45/37 **
PUMA 800L II/ LM II	32	900	3200	750	55/45/37
PUMA 800XL II/ XLM II	32	900	5050	750	55/45/37
PUMA 600LY II/ XLY II	18	750	3250 / 5050	1800	55/45/37
PUMA 700LY II/ XLY II	24	750	3250 / 5050	1500	55/45/37
PUMA 800LY II/ XLY II	32	750	3250 / 5050	750	55/45/37
L : Long bed XL: Xtra long bed M : Milling Y: Y-axis milling * 30min/Cont. ** Big bore					

PUMA 1000

Large-sized Big bore Heavy Duty Turning Center with upto
560mm spindle bore



Machine	Chuck (inch)	Max. Turning Dia. (mm)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA 1000A	32	1000	2040	500	75/60
PUMA 1000B	40	1000	2040	300	75/60
PUMA 1000MA	32	1000	2040	500	75/60
PUMA 1000MB	40	1000	2040	300	75/60
* 30 min./Cont.					

PUMA TT1300 / 1800 / 2100 / 2500/ PUMA TL2000 / 2500

Horizontal Multi turret Turning Center



Machine	Chuck (inch)	Max.Tur ning Dia (mm)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA TT1300SY/SYY	5	175	120	6000	11/7.5/5.5 ¹⁾
PUMA TT1300SYB/SYYB	(Left)6/(Right)5	175	120	6000	15/11/7.5 ¹⁾
PUMA TT1800MS/SY	8	230	230	5000	22/18.5
PUMA TT2100SYY	8	230	230	5000	25/18.5/15 ¹⁾
PUMA TT2100SYYB	(Left)10/(Right)8	230	230	3500	22/18.5 ²⁾
PUMA TT2500MS/SY	10	U : 390, L : 300	350	3500	26/22
PUMA TL2000 / L	8	U : 370, L : 240	600 / 1000	5000	22/18.5/15**
PUMA TL2000M / LM	8	U : 350, L : 240	600 / 1000	5000	22/18.5/15**
PUMA TL2500/L/XL	10	U : 370, L : 240	600/1000/1250	4000	26/22
PUMA TL2500M/LM/XLM	10	U : 350, L : 240	600/1000/1250	4000	26/22
M : Milling S : Sub spindle Y: Y-axis milling U : on upper turret L : on lower turret * 30min/Cont ** 10min/30min/Cont. 1) S3 25%/S3 60%/Cont. 2) S3 60%/Cont.					

Overview

Product Full Line-up

Full Line-up of Products

Chinese Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
- Boring Machine

Korean Products

- Turning Center
- Machining Center
- Double Column
- Machining Center
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iDOO CONTROL
Optimal Technology

- Global Support
- Network
- Overseas Supplies
- System

Turning Center

PUMA AW560 II / 660 II / 560-MF II

High Precision、High Performance Aluminum Wheel Turns



Machine	Wheel Size (inch)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA AW560 II	20	550	2500	37/30
PUMA AW660 II	24	650	2000	37/30
PUMA AW560-MF II	20	550	2500	30/25
* 30min/Cont.				

PUMA VAW7500 / 800

High Precision、High Productivity Vertical Aluminum Wheel Turns



Machine	Wheel Size (inch)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA VAW7500	27.5	720	2000	55/45**
PUMA VAW800	28	711	2000	55/45**
* S3 25%/Cont. ** S3 40% 30min/Cont.				

PUMA TW2100/2100-GL/2600/2600-GL

High Productivity Twin Spindle Horizontal Turning Center



Machine	Chuck (inch)	Max. Turning Dia. (mm)	Max. Turning Length (mm)	Spindle speed (r/min)	Motor* (kW)
PUMA TW2100 / M	8 {6}	240	128	4500 {6000}	15/11
PUMA TW2600 / M	10{8,12}	360	170	3500	18.5/15**
PUMA TW2600B / MB	12	Ø360	170	3500	22/18.5
PUMA TS2100 / M	8 {6}	240	128	4500 {6000}	15/11
PUMA TS2600 / M	10{8,12}	360	170	3500	18.5/15**
{ } : Option M : Milling * 30min/Cont. ** 15min/Cont.					

Twin Spindle Turning Center with Gantry Loader



Machine	Max. Handling dia.(mm)	Max. Work Weight (kg)	Std. Loading Time(s)
PUMA TW2100-GL / M-GL	Ø130 x 65 {Ø180 x 80}	3	5.7
PUMA TW2600-GL / M-GL	Ø200 x 90 {Ø320 x 35}	6	7.9
PUMA TW2600B-GL / MB-GL	Ø225	6	7.9
PUMA TS2100-GL / M-GL	Ø240 x 128	3	5.7
PUMA TS2600-GL / M-GL	Ø200 x 90 {Ø320 x 35}	6	7.9
{ } : Option			

Turning Center

Multi-Tasking Turning center / Vertical Turning Center /
Large Vertical Turning Center with RAM Head Spindle / Swiss Type Turning Center

PUMA MX1600 / 2100 / 2600 SMX
2100 / 2600 / 3100 / 5100

Multi-Tasking Turning center



Machine	Chuck (inch)	Max.Ma chining Dia (mm)	Max.Mac hining Length (mm)	Spindle Speed Main / Milling (r/min)	Motor Main / Sub / Milling (kW)
PUMA MX1600	6	330	900	6000 / 12000	15 / - / 9
PUMA MX1600/735	6	330	700	6000 / 12000	15 / - / 9
PUMA MX1600S	6	330	900	6000 / 12000	15 / 15 / 9
PUMA MX1600S/735	6	330	700	6000 / 12000	15 / 15 / 9
PUMA MX1600T	6	330	900	6000 / 12000	15 / - / 9
PUMA MX1600T/735	6	330	700	6000 / 12000	15 / - / 9
PUMA MX1600ST	6	330	900	6000 / 12000	15 / 15 / 9
PUMA MX1600ST/735	6	330	700	6000 / 12000	15 / 15 / 9
PUMA MX2100 / L	8	540	1020 / 1520	5000 / 12000	22 / - / 18.5
PUMA MX2100S / LS	8	540	1020 / 1520	5000 / 12000	22 / 22 / 18.5
PUMA MX2100T / LT	8	540	1020 / 1520	5000 / 12000	22 / - / 18.5
PUMAMX2100ST / LST	8	540	1020 / 1520	5000 / 12000	22 / 22 / 18.5
PUMA MX2600T	10	760	1540	4000 / 12000	26 / - / 22
PUMA MX2600ST	10	760	1540	4000 / 12000	26 / 26 / 22
SMX 2100	8	600	1040	5000	22 / - / 22
SMX 2100S /ST	8	600	1040	5000	22 / 22 / 22
SMX 2100B	10	600	1040	4000	22 / - / 22
SMX 2100SB/STB	10	600	1040	4000	22 / 22 / 22
SMX 2600	10	660	1540	4000 / 12000	30 / - / 26
SMX 2600S/ST	10	660	1540	4000 / 12000	30 / 30 / 26
SMX 3100	12	660	1540	3000 / 12000	30 / - / 26
SMX 3100L	12	660	2540	3000 / 12000	30 / - / 26
SMX 3100S/ST	12	660	1540	3000* / 12000	30 / 30 / 26
SMX 3100LS	12	660	2540	3000* / 12000	30 / 30 / 26
SMX 5100L/XL	15	830	3050/4070	2400 / 10000	37/30/25**
SMX 5100LB/XLB	21	830	3050/4070	1500 / 10000	37/30/25**
SMX 5100LS	15	830	3050	2400 / 10000	37 / 30/25**
SMX 5100LSB	21	830	3050	1500 / 10000	37/30/25**
L : Long bed S : Sub spindle T : Turret * Sub spindle : 4000 r/min **2.5min / 30min / Cont.					

PUMA V400 / V400P, PV8300/9300

High Productivity Vertical Turning Center



Machine	Chuck (inch)	Max. Turning Dia. (mm)	Max. Turning Heigh (mm)	Spindle Speed (r/min)	Motor* (kW)
PUMA V400	12	496	461	3000	22/18.5
PUMA V400-2SP	12	496	461	3000	22/18.5 + 22/18.5
PUMA V400M	12	420	400	3000	22/18.5
PUMA V400P	12	496	461	3000	22/18.5
PUMA V8300	15	830	750	2000	37/30 **
PUMA V8300-2SP	15	830	750	2000	37/30 +37/30 **
PUMA V8300M	15	830	750	2000	37/30*
PUMA V8300M-2SP	15	830	750	2000	37/30+ 37/30*
PV 9300 / 2SP	24	930	801	1800	45/37
PV 9300M / M-2SP	24	930	801	1800	45/37
M : Milling 2SP :Twin spindle * 30min/Cont. **S6 40% / Cont.					

XG 600 / 800

Grinding machine for quartz,ceramic materials



Machine	Chuck (inch)	Max. Turning Dia. (mm)	Spindle Speed (r/min)	Motor* (kW)
XG 600	12	600	500{2500}*	18.5 / 15 / 11
XG 800	12	800	500{2500}	14.1 / 6.3
{ } : Option *S3 15% / S3 40% / Cont.				

Overview

Product Full Line-up

Full Line-up of Products

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IDOO CONTROL
Optimal Technology

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Turning Center

PUMA VT 900 / 1100

High Performance Vertical Turning Center



Machine	Chuck (inch)	Max. Turning Dia. (mm)	Max. Turning Height (mm)	Spindle Speed (r/min)	Motor* (kW)
PUMA VT450	12	450	427	2500	22/18.5
PUMA VT450-2SP	12	450	427	2500	22/18.5 + 22/18.5
PUMA VT450M	12	450	373	2500	22/18.5
PUMA VT450M-2SP	12	450	373	2500	22/18.5 + 22/18.5
PUMA VT900	24	900	801	1800	45/37
PUMA VT900-2SP	24	900	801	1800	45/37 + 45/37
PUMA VT900M	24	900	809	1800	45/37
PUMA VT900M-2SP	24	900	809	1800	45/37 + 45/37
PUMA VT1100	32	1100	960	850	60/55/45**
PUMA VT1100M	32	1100	960	850	60/55/45**

M : Milling 2SP : Twin spindle
* 30min/Cont. ** 10min/30min/Cont.

PUMA VTR1012F / 1216F / 1216 / 1620 / 2025

Large Vertical Turning Center with RAM Head Spindle



Machine	Max. Turning Dia. (mm)	Max. Turning Height (mm)	Spindle Speed (r/min)	Motor* (kW)
PUMA VTR1012F	1250	750	600	45/37*
PUMA VTR1012FC	1250	750	600	45/37*
PUMA VTR1216F	1600	950	400	45/37*
PUMA VTR1216FC	1600	855	400	45/37*
PUMA VTR1216FM	1600	950	400	45/37*
PUMA VTR1216 / M	1600	1250	400	45/37*
PUMA VTR1620/M	2000	1800	300	45/37*
PUMA VTR2025 / M	2500	1900	200	75/60**

M : Milling * S3 60%/Cont. ** 30min/Cont.

PUMA ST10GS II / 20GS II / 26GS II / 32GS II / 35GS II / 38GS II

A Highly Rigid Swiss type Turning Center, Excellent for Continuous Precision Machining



Machine	Max. Machining Dia.(mm)	Tool Storage (ea)	MainSpindle Motor* [Built-in] (kW)	Sub Spindle Motor** [Built- in]*** (kW)
PUMA ST10GS II	10	22	3.7/2.2	1.1/0.55
PUMA ST20GS II	20	25	3.7/2.2	3.7/2.2
PUMA ST26GS II	26	22 {27}	5.5/2.2	3.7/2.2
PUMA ST32GS II	32	24	7.5/5.5	3.7/2.2
PUMA ST35GS II	35	22	7.5/5.5	3.7/2.2
PUMA ST38GS II	38	22	7.5/5.5	3.7/2.2

{ } : Option
* 30min/Cont. ** 15min/Cont. ***Belt type motor applied in the sub spindle of PUMA ST10GS model

Machining Center

Tapping Center / Global Standard Vertical Machining Center / Heavy Duty Vertical Machining Center / Twin Table Vertical Machining Center / 2 spindle Vertical Machining Center

T 4000

High-Speed, High-Productivity Tapping Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor * (kW)
T 4000	520 / 400 / 350	650 x 400	12000 {18000}	21	1 3 / 3.7 {2.2 / 1.1}
T 4000L	700 / 400 / 350	850 x 400	12000 {18000}	21	1 3 / 3.7 {2.2 / 1.1}
T 4000HP	520 / 400 / 350	650 x 400	12000	21	36 / 7.5
T 4000HS	520 / 500 / 350	650 x 400	24000	21	5.5 / 3.7
T 4000LHS	700 / 400 / 350	850 x 400	24000	21 {20/24}	11/2.2

{ } : Option * 30min/Cont.

DEM 4000

Compact Vertical Machining Centers



c	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor* (kW)
DEM 4000	550 / 400 / 450	650 x 400	8000	20	75/5.5

{ } : Option

DNM 4000/4500/5700/6700/650P
DNM 500/50 II , 650/50 II
DNM 750/50 II , 750L/50 II

Global Standard Vertical Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor* (kW)
DNM4000	520 / 400 / 480	650 x 400	12000	20	18.5(10min) / 11(Cont.)
SVM4100	770 / 410 / 510	920 x 410	12000	30	18.5/5.5
DNM4500	800 / 450 / 510	1000 x 450	8000 {12000,15000}	30 {40}	18.5/11
DNM4500L	910/450/510	1050 x 450	8000 {12000,15000}	30	18.5/11
DNM5700	1050 / 570 / 510	1300 x 570	8000 {12000,15000}	30 {40}	18.5/11
DNM5700L	1300 / 570 / 510	1500 x 570	8000 {12000,15000}	30	18.5/11
DNM6700	1300 / 670 / 625	1500 x 670	8000 {12000,15000}	30 {40}	18.5/15
DNM6700L	1500 / 670 / 625	1600 x 670	8000 {12000,15000}	30 {40}	18.5/15
DNM6700XL	2100 / 670 / 625	2200 x 670	8000 {12000,8000}	30(40,60)	18.5/15
DNM4500S	800 / 450 / 510	1000 x 450	15000	30 {40}	18.5/11
DNM5700S	1050 / 570 / 510	1300 x 570	15000	30 {40}	18.5/11
DNM650P II	1400 / 670 / 625	1500 x 680	8000 {12000}	30 {40}	18.5/15***
DNM750 II	1630 / 762 / 650	1630 x 760	8000 {12000}	30 {40,60}	18.5/15***
DNM750L II	2160 / 762 / 650	2160 x 760	8000 {12000}	30 {40,60}	18.5/15***
DNM750/50 II	1630 / 762 / 650	1630 x 760	8000 {10000}	24 {30}	18.5/7.5****
DNM 750L/50 II	2160 / 762 / 650	2160 x 760	8000 {10000}	24 {30}	18.5/7.5****
DNM 500/50 II	1020/540/510	1200x540	8000 {10000}	24	22/11
DNM 650/50 II	1270/670/625	1300 x 670	8000 {10000}	24 {30}	22/11

{ } : Option * S3 15%/Cont. ** 15min/Cont. *** S3 60%/Cont. **** 5min/Cont.

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Korean Products

- Turning Center
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iDOO CONTROL
Optimal Technology

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Machining Center

Mynx5400 II / 6500 II / 7500 II / 9500

Heavy Duty Vertical Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor *(kW)
Mynx 5400 II	1020 / 550 / 530	1200 x 540	8000 {12000}	30 {40}	15/11
Mynx 5400/50 II	1020 / 550 / 530	1200 x 540	6000 {8000}	24	15/15/11**
Mynx 6500 II	1270 / 670 / 625	1400 x 670	8000 {12000}	30 {40}	15/11
Mynx 6500/50 II	1270 / 670 / 625	1400 x 670	6000 {8000}	24 {40}	15/15/11**
Mynx 7500 II	1525 / 770 / 625	1600 x 750	8000 {12000}	30 {40}	22/15***
Mynx 7500/50 II	1525 / 770 / 625	1600 x 750	6000 {8000}	24 {40}	18.5/15
Mynx 9500	2500 / 950 / 800	2500 x 950	6000 {10000}	30 {40}	30/18.5****
{ } : Option * 30min/Cont. ** 15min/30min/Cont. *** 15min/Cont. **** S3 25%/Cont.					

BVM 5700

High Speed, High Precision Premium Vertical Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor * (kW)
BVM 5700	1050 / 570 / 460	1300 x 570	15000	30 {40}	37/15
{ } : Option					

VC 4000D-2SP, XC4000DA-2SP, DMP 500/2SP, 750/50-2SP

High Productivity 2 spindle Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor * (kW)
VC 4000D-2SP	630 / 400 / 360 / 10	2-800 x 535	12000	2 x 24	13
XC 4000DA-2SP	630 / 400+190 / 360	2-790 x 300	12000	2 x 24	15
DMP 500-2SP	1040 / 520 / 600 / 20	1200 x 520	12000 {8000}	2x24 {2x30, 2x40}	18.5/11
DMP 570/50-2SP	600 / 570+142 / 625 / -	1500 x 570	8000	2 x 24	15/11
* S3 15%/Cont.					

Machining Center

5 Axis Vertical Machining Center / Multi Purpose Vertical Machining Center / Heavy Duty Horizontal Machining Center /
Ultra-high-Speed, High-Precision Vertical Machining Center Equipped with Linear Motors

5 axis

5 Axis Vertical Machining Center



Machine	X / Y / Z Travel(m m)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor*(kW)
DVF4000i	620 / 440 / 430	D400 {500}	12000 {15000}	30 {40,60}	18.5
DVF 5000	625 / 450 / 400	Ø500	12000 {18000}	30 {40,60,90, 120}	18.5/11
DVF6500	750 / 785 / 600	Ø650	12000 {18000}	40 {60,90,120}	FANUC: 22/18.5 ⁰ HEIDENHAIN: 30/24 ²
DVF8000	1000 / 900 / 685	Ø800	12000 {18000}	40 {60, 90,120}	FANUC: 22/18.5 ⁰ HEIDENHAIN/SIEMENS : 30/24 ²
DVF8000T	1000 / 900 / 685	Ø800	18000	40 {60, 90,120}	FANUC: 22/18.5 ⁰ HEIDENHAIN/SIEMENS : 30/24 ²
DNM200/5AX	400 / 435 / 500	Ø200	12000	30 {40}	18.5/11
DNM350/5AX	600 / 655 / 500	Ø350	12000 {20000}	30 {40,60}	18.5/11
VC630/5AX	650 / 765 / 520	Ø630	12000 {20000}	40 {60,81,101, 121}	FANUC: 22/18.5** HEIDENHAIN: 23.5/18*** SIEMENS: 30/24***
FM200/5AXlinear	200 / 340 / 300	Ø200	42000	24	12.6****
FM350/5AXlinear	400 / 600 / 350	Ø350	42000	40	12.6****
{ }: Option * 10min/Cont. **S3 25% /Cont. ***S6 40%/Cont. **** Cont. 1) S3 25% /Cont. 2) S6 40%/Cont.					

VC 3600 / 430 / 510, VC 3600/30

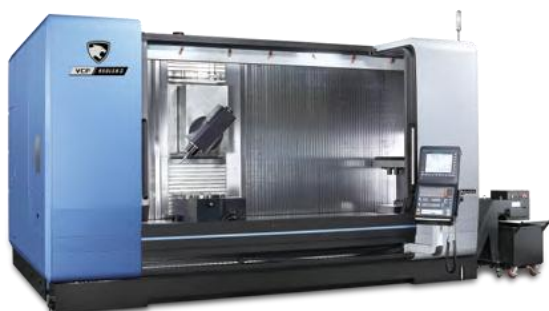
High productivity machining center equipped with dual pallet



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor* (kW)
VC 3600	520 / 360 / 465	2-650 x 375	12000	20	18.5/5.5
VC3600/30	520 / 360 / 350	2-650 x 375	12000 {18000}	14 {21/24}	13/3.7
VC 430	560 / 430 / 570	2-712 x 477	10000 {12000}	30 {40}	18.5/15
VC 510	762 / 516 / 570	2-860 x 570	10000 {6000, 12000}	30 {40}	18.5/15
{ }: Option * 30min/Cont. **S3 15%					

VCF 5500 / VCF 850 II / VCF 1100LSR

Multi Purpose Vertical Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage(ea)	Motor *(kW)
VCF 5500L	2200 / 550 / 510	2400x580	12000	30 {40/60}	18.5/11
VCF 5500UL	5000 / 550 / 570	5600 x 550	12000	35	18.5/11
VCF 5500SL	6200 / 550 / 570	6600 x 580	12000	35	18.5/11
VCF 850 / SR II	2000 / 850 / 800	2500 x 870	12000 {18000}	30 {60}	HEIDENHAIN : 32/24* FANUC: 22/18.5**
VCF 850L / LSR II	3000 / 850 / 800	3500 x 870	12000 {18000}	30 {60}	HEIDENHAIN : 32/24* FANUC: 22/18.5**
{ }: Option *S6 40%/Cont. ** 30min/Cont.					

Overview

Machining Center

Product Full Line-up

Full Line-up of Products

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IDOO CONTROL
Optimal Technology

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VM5400 / 6500 (#40)

High Performance Vertical Machining Center for
Die & Mold Machining



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor * (kW)
VM 5400	1020 / 540 / 530	1200 x 540	12000	30 {40}	15.6/15.6
VM 6500	1270 / 670 / 625	1400 x 670	12000	30 {40}	15.6/15.6
					{ } : Option * 30min/Cont.

VM560 / 750 / 84 / 960 / 1260 (#50)

High-Speed, High-Precision Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor* (kW)
VM 560	1050 / 650 / 560	1600 x 560	12000	30	22/18.5
VM 750	1500 / 750 / 800	1600 x 800	6000 {8000, 12000}	30 {40}	18.5/15
VM 750L	1800 / 750 / 800	1900 x 800	6000 {8000, 12000}	30 {40}	18.5/15
VM 84	2000 / 840 / 800	2200 x 810	6000	30	22/18.5
VM 960	2000 / 960 / 800	2400 x 950	6000 {8000, 12000}	30 {40}	18.5/15
VM 960L	2400 / 960 / 800	2600 x 950	6000 {8000, 12000}	30 {40}	18.5/15
VM 1260	2500 / 1260 / 900	2800 x 1260	6000 {8000, 12000}	40	22/18.5
					{ } : Option * 30min/Cont. ** * 15min/Cont.

MD 6700

New Generation Die&Mold Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle speed (r/min)	Tool Storage (ea)	Motor * (kW)
MD 6700	1300 / 670 / 670	1500 x 670	12000 {8000}	24 {30}	30
					{ } : Option

Machining Center

DVM 500 II / 650 II

High Precision Die & Mold Vertical Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
DVM 500 II	1020 / 540 / 510	1200 x 540	20000	30 {40}	22/11
DVM 650 II	1270 / 670 / 625	1300 x 670	20000	30 {40}	22/11
{ } : Option * S3 15%,10min/Cont.					

NX 5500 II / MP 6500

High-Precision, High-Speed Vertical Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
NX 5500 II	900 / 550 / 500	1000 x 550	20000 {30000, 40000}	30	22/11
MP 6500	1050 / 650 / 550	1200 x 650	20000	30	22/11
{ } : Option * 10min 15%/Cont.					

VX 6500C/G

High-Precision Special Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
VX6500C	1050 / 650 / 550	1200 x 650	12000{20000}	30	18.5/11*
VX6500G	1050 / 650 / 550	1200 x 650	12000 {20000/30000/40000}	30	18.5/11*
{ } : Option * S3 15%/Cont.					

Machining Center

Compact Horizontal Machining Center / High Speed High Performance Horizontal Machining Center / Ultra-high-Precision Horizontal Machining Center

HC 400 II / 500 II

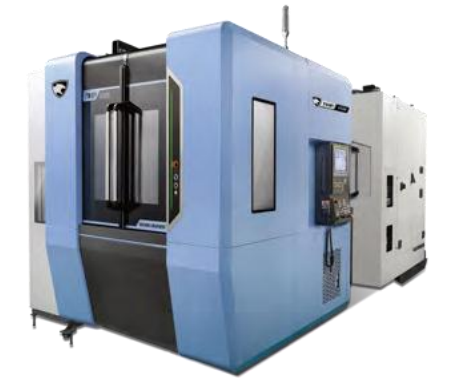
Compact Horizontal Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
HC 400 II	600 / 560 / 565	400 x 400	8000 {12000}	40 {60, 80, 120, 170, 262}	18.5/11
HC 500 II	850 / 700 / 750	500 x 500	8000 {12000}	40 {60, 80, 120, 170, 262}	18.5/11
{ } : Option * 15min/Cont.					

NHP 4000 / 5000 / 5500 / 6300 / 8000

High-Speed, High-Productivity Horizontal Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
NHP 4000	560 / 640 / 660	400 x 400	15000 {15000, 20000}	40 {60, 80, 120, 171, 275}	30/18.5 {37/22, 37/18.5}
NHP 5000/s	730 / 730 / 880	500 x 500	15000 {15000, 20000}	40 {60, 80, 120, 171, 275}	30/18.5 {37/22, 37/18.5}
NHP 5500/s	800 / 750 / 850	500 x 500	10000 {6000, 15000}	40 {60, 90, 120, 150, 196, 256, 316, 376}	45/25
NHP 5500 ^{2nd}	800 / 750 / 900	500 x 500	10000 {10000, 15000}	40 {60, 90, 120, 150, 196, 256, 316, 376}	37/30/26 {45/37/ 30/26, 37/30}
NHP 6300	1050 / 900 / 1000	630 x 630	10000 {6000, 15000}	40 {60, 90, 120, 150, 196, 256, 316, 376}	45/25
NHP 8000	1400 / 1200 / 1370	800 x 800	10000 {6000, 15000}	40 {60, 90, 120, 150, 196, 256, 316, 376}	45/25
{ } : Option * S3 25%/Cont.					

NHM 5000 / 6300 / 8000

Heavy duty Capability Horizontal Machining Center



Machine	X / Y / Z Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
NHM 5000	800 / 700 / 850	500 x 500	6000 {8000}	60 { 90, 120, 150, 196, 256, 316, 376 }	25/15
NHM 6300	1050 / 850 / 1000	630 x 630	6000 {8000}	60 { 90, 120, 150, 196, 256, 316, 376 }	35/22**
NHM 8000	1400 / 1050 / 1200	800 x 800	6000 {8000}	60 { 90, 120, 150, 196, 256, 316, 376 }	35/22**
{ } : Option * S3 25%/Cont. ** S3 10%/Cont.					

Machining Center

HM 1000 / 1250

Large Horizontal Machining Center



Machine	X / Y / Z / W Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
HM 1000	2100 / 1250 / 1250 / -	1000 x 1000	6000 {8000}	60 {90, 120, 196, 256}	26/22
HM 1250	2100 / 1500 / 1500 / -	1250 x 1250	6000 {8000}	60 {90/120/196, 256,316(MATRIX)}	26/22
HM 1250W	2100 / 1400 / 1400 / 300	1250 x 1250	3000	60 {90/120/196, 256,316(MATRIX)}	45/37
					{ } : Option * 30min/Cont.

DHP 8000 / ST

5 axis Horizontal Machining Center



Machine	X / Y / Z / W Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
DHP 8000 / ST	1450 / 1200 / 1500	800 x 800	6000 {15000, 30000}	60 {90, 120, 150, 196 ~ 376}	35/22
					{ } : Option

HFP 1540

5 axis Horizontal Machining Center



Machine	X / Y / Z / W Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor * (kW)
HFP 1540	4200 / 1600 / 550	4000 x 1500	30000	60	75
					{ } : Option

Overview

Double Column Machining Center

Product Full Line-up

High Speed, Large Double Column Machining Center

Chinese Products

Turning Center

Machining Center

Double Column

Machining Center

Boring Machine

Korean Products

Turning Center

Machining Center

Double Column

Machining Center

Boring Machine

iDOO CONTROL
Optimal Technology

Global Support

Network

Overseas Supplies

System



Machine	X / Y / Z Travel (mm)	B / C Swivel Angle (deg)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor *(kW)
BM 1530 / M	3000 / 1550 / 800	-	3000 x 1350	8000 / 12000	40 { 60 }	30/25
BM 2035 / M	3500 / 2050 / 800	-	3500 x 1850	8000 / 12000	40 { 60 }	30/25
BM 2035U	3500 / 2050 / 800	± 11.0 / ± 2.2	3500 x 1600	15000	60	45.9/34
BM 2740 / M	4000 / 2700 / 800	-	4000 x 2500	10000 / 12000	40 { 60 }	30/25
BM 2740P	4000 / 2700 / 500	-	4000 x 2500	12000	30 { 40 }	22/ 18.5 { 29.5 / 24.8 }
BM 2740U	4000 / 2500 / 800	± 11.0 / ± 2.2	4000 x 2500	15000 { 30000 }	60	45.9/ 34 { 90 / 78.3 }
BM 3540 P	4000 / 3500 / 500	-	4000x2500	12000	30 { 40 }	22/ 18.5 { 29.5 / 24.8 }
{ } : Option * 30min/Cont. ** Cont.						

DBM / DCM II series

Customized Double Column Machining Center



Machine	X/Y/Z(U)/W(U) Travel (mm)	B / CSwivel Angle (deg)	Table Size (mm)	Spindle Speed (r/min)	Effective width between column(mm)	Motor*(kW)
DBM1525s	2800/1350/750/-	-	2800 x 1250	12000	1550	25**
DBM 2030 (U)	3250 / 2500 / 800	(±110 / ±220)	1500 x 3000	6000 {8000} (15000{30000})	2000	55/37** (34)**
DBM 2040 (U)	4250 / 2500 / 1100(800) /-	(±110 / ±220)	1500 x 4000	6000 {8000} (15000{30000})	2000	55/37** (34)**
DBM 2540 (U)	4250 / 3000 / 1100(800) / -	(±110 / ±220)	2000 x 4000	6000 {8000} (15000{30000})	2500	55/37** (34)**
DBM 2550 (U)	5250 / 3000 / 1100(800) / -	(±110 / ±220)	2000 x 5000	6000 {8000} (15000{30000})	2500	55/37** (34)**
DBM 3050 (U)	5250 / 3500 / 800	(±110 / ±220)	2500 x 5000	6000 {8000} (15000{30000})	3000	55/37** (34)**
DBM3060	6250 / 3500 / 1100{800}	-	2500x6000	6000{8000}	3000	55/37**
DBM 3080	8250 / 3500 / 1100	-	2500 x 8000	6000 {8000}	3000	55/37**
DCM2740F II (U)	4250 / 3200 / 700(1000)/ 1100	(±110 / ±220)	2200 x 4100	6000 {4000, 12000} (15000{30000})	2700	25/22 (34)**
DCM2750F II (U)	5250 / 3200 / 700(1000) / 1100	(±110 / ±220)	2200 x 5100	6000 {4000, 12000} (15000{30000})	2700	25/22 (34)**
DCM2760F II (U)	6250 / 3200 / 700(1000) / 1100	(±110 / ±220)	2200 x 6100	6000 {4000, 12000} (15000{30000})	2700	25/22 (34)**
DCM2780F II (U)	8250 / 3200 / 700(1000) / 1100	(±110 / ±220)	2200 x 8100	6000 {4000, 12000} (15000{30000})	2700	25/22 (34)**
DCM3250F II (U)	5250 / 3700 / 700(1000) / 1100	(±110 / ±220)	2700 x 5100	6000 {4000, 12000} (15000{30000})	3200	25/22 (34)**
DCM3260F II (U)	6250 / 3700 / 700(1000) / 1100	(±110 / ±220)	2700 x 6100	6000 {4000, 12000} (15000{30000})	3200	25/22 (34)**
DCM3280F II (U)	8250 / 3700 / 700(1000) / 1100	(±110 / ±220)	2700 x 8100	6000 {4000, 12000} (15000{30000})	3200	25/22 (34)**
DCM3780F II (U)	8250 / 4200 / 1000 / 1100(1400)	(±110 / ±220)	3200 x 8100	6000 {4000, 12000} (15000{30000})	3700	25/22 (34)**
DCM37100F II (U)	10250 / 4200 / 1000 / 1100(1400)	(±110 / ±220)	3200 x 10100	6000 {4000, 12000} (15000{30000})	3700	25/22 (34)**
DCM4280F II (U)	8250 / 5000 / 1000 / 1100(1400)	(±110 / ±220)	3500 x 8100	6000 {4000, 12000} (15000{30000})	4200	25/22 (34)**
DCM 3150H	5250 / 3700 / 800 / 1200	-	2599 x 5000	6000 {4000,12000}	3200	37**
				{}:Option	* 30min/Cont.	**S3 25%/Cont.

Horizontal Boring Mills / Duplex Spindle Horizontal Boring Machine

Horizontal Boring Machine / Duplex Spindle Horizontal Boring Machine

DBC 110 / 130 / 160 / 250

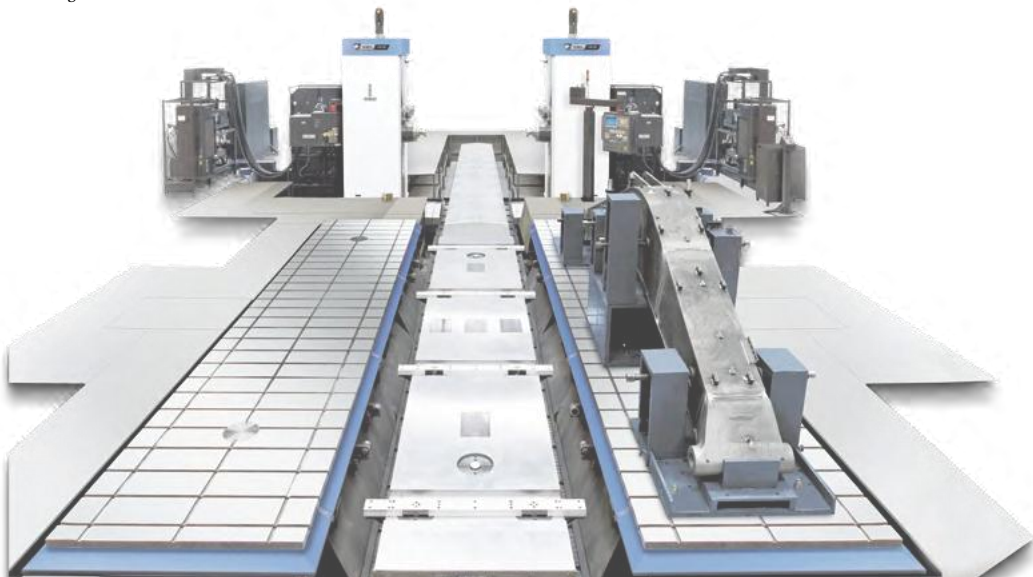
Horizontal Boring Machine



Machine	X / Y / Z / W Travel (mm)	Table Size (mm)	Spindle Speed (r/min)	Tool Storage (ea)	Motor*(kW)
DBC110S	2000 / 1500 / 1200 / 500	1400 x 1600	3000	40 {60, 90}	26/22
DBC130S	2000 / 1500 / 1200 / 600	1400 x 1600	3000	40 {60 / 90}	26/22
DBC130SL	2500 / 2000 / 1500 / 600	1400 x 1800	2500	40 {60 / 90}	37/30
DBC110 II	2500 / 2000 / 1500 / 550	1400 x 1800	4000	40 {60, 90}	26/22
DBC130 II	3000 / 2000 / 1600 / 700	1600 x 1800	2500	40 {60, 90}	26/22
DBC130L II	4000 / 2500 / 2000 / 700	1600 x 1800	2500	40 {60, 90}	26/22
DBC160	4000 / 2500 / 1600 / 800	2000 x 2200	2000	{40, 60, 90}	45/37
DBC250 II	3000 / 2000 / 1600 / 500	1600 x 1800	6000	40 {60, 90}	30/22
DBC250L II	4000 / 2500 / 2000 / 500	1600 x 1800	6000	40 {60, 90}	30/22
{ } : Option * 30 min/Cont.					

DBD series

Duplex Spindle Horizontal Boring Machine



Machine	X / Y / Z / W Travel (mm)	Table Size (mm)	Spindle Speed(r/min)	Tool Storage (ea)	Motor*(kW)
DBD1270	7000 / 1500 / 1000 / -	1250 x 7000	3000	{40,60}	26/22
DBD1580	8000 / 2000 / 450 / 500	1500 x 8000	2500	{40,60}	26/22
{ } : Option * 30 min/Cont.					

Overview

Product Full Line-up
Full Line-up of Products

Chinese Products

Turning Center
Machining Center
Double Column
Machining Center
Boring Machine

Korean Products

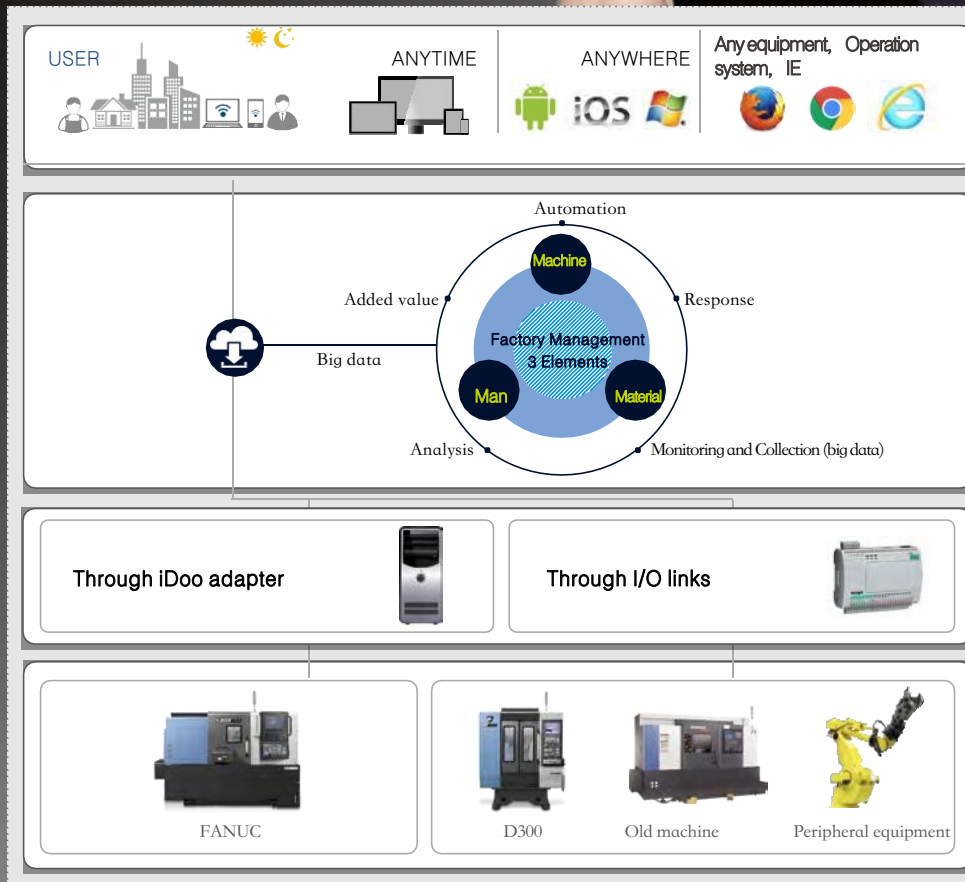
Turning Center
Machining Center
Double Column
Machining Center
Boring Machine

iDOO CONTROL
Optimal Technology

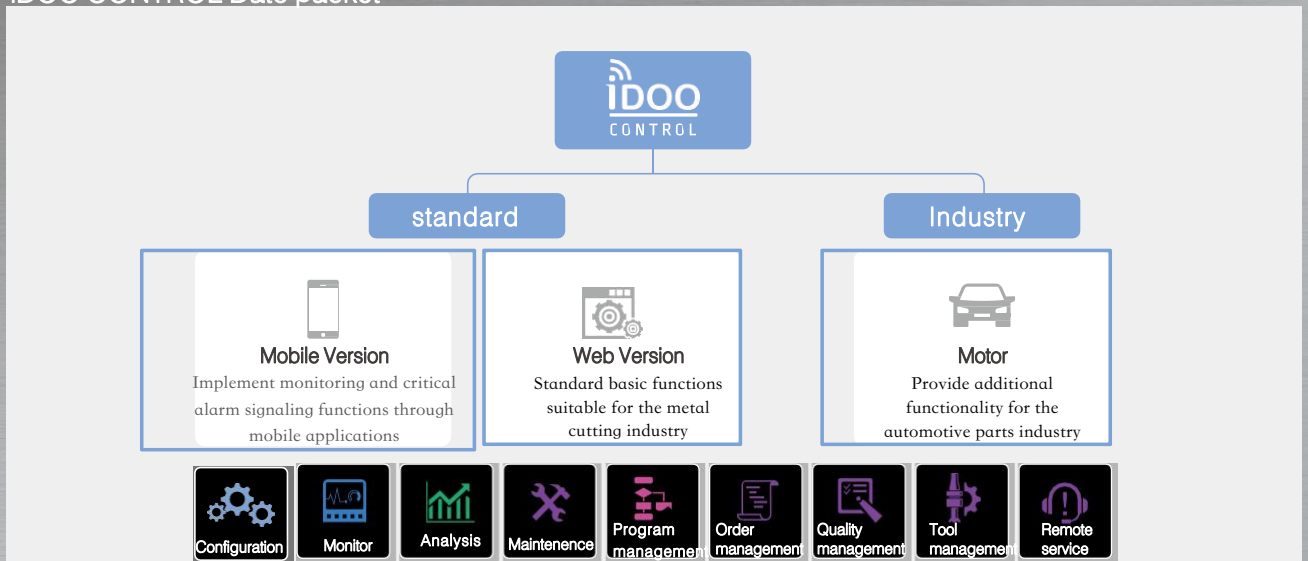
Global Support
Network
Overseas Supplies
System

iDOO CONTROL

DN Solutions Intelligent Factory Solution
Connect everything within the factory to
users



iDOO CONTROL Date packet



Run Time (h)	Used rate(%)	Offset D			Offset H		
		LMT	Init	Current	LMT	Init	Current
2098.0	0		0	0		3	3
2099.4	0		0	0		1	3
2099.4	0		0	0		2	7
2099.6	0		0	0		3	3
2099.0	0		0	0		3	3
2099.0	0		0	0		10	6
2097.7	0		0	0		1	2
2097.7	0		0	0		4	5

Opti



High speed Spindle Technology

Maximum speed and acceleration/
deceleration speed reduce unnecessary
standby (waiting) time.



Smart Monitoring Technology

DN Solutions develops and provides various features designed to enhance its machine tool performance and operational convenience in addition to the features inherent in the CNC system.



High rigidity Guideway Technology

This technology has improved the performance of maximum speed and acceleration/deceleration speed, thereby minimized unnecessary standby time.



Easy Operation Technology

Build your own Smart Factory with a I doo control that offers monitoring data collection from various machine tools, ERP connection & data accumulation, and data analysis & solution provision by AI algorithm etc.



Thermal Stability Technology

Our advanced modeling technology can provide step-by-step thermal displacement optimization from the initial product design stage to the final release of the finished product.



Eco-Friendly Technology

DN Solutions deliver eco-friendly value and energy savings in addition to the machine's own performance.

Overview

Product Full Line-up

Full Line-up of Products

Chinese Products

Turning Center

Machining Center

Double Column

Machining Center

Boring Machine

Korean Products

Turning Center

Machining Center

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Machining Center

Boring Machine

IDOO CONTROL
Optimal Technology

Global Support

Network

Overseas Supplies

System

Responding to Customers Anytime, Anywhere

DN Solutions' Global Network, Responding to Customer's Needs nearby, Anytime, Anywhere

DN Solutions 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.



Global Sales and Service Support Network

Corporations	Dealer Networks	Technical Centers Technical Center: Sales Support, Service Support, Parts Support	Service Post	Factories
4	155	51	200	3

Overseas Supplied System

DN Solutions Products Working In Industries World Wide

Machining systems | Flexible Manufacturing Cells | Flexible Manufacturing System | Flexible Transfer Line

UNITED STATES

Alco Controls
Allied Signal
Allied Signal Engines
Ambel Precision
Manufacturing Co.
American Sleeve Bearing
Anchor Hocking
ATMSpecialties
B.F. Goodrich Aerospace
Baldor Electric
Baldor Electric Co.
Bath Iron Works
Bendix Benz
Bimba Manufacturing
Bosche
Browning Bosche
Brunswick
Buck Chuck
Camco
Carrier
Caterpillar
Chicago Roll
Clark Equipment
Colts Manufacturing
Combustion Engineering
Cooper Industries

Cooper Power Tools
Cushman
Dana
Dana Spicer
Darmark Corp.
Dayton Progress
Dresser
E.G. & G.
Eaton
Elgin Sweeper
Emerson Electric
Fastenal Inc.
Federal Mogal
Federal Signal
Ford
France
Compressor
Products
General Dynamics
General Motors
George Fisher Foundries
Gildea
Grimes Engineering
Hexatron Engineering
Hydraw Flow
I.B.M.
In-Sink-EratorInvar
Manufacturing
ITT Engineered
Valves

Jacobs Vehicle
Jake Brake
Kellogg Crankshaft
Kelsey-Hayes
Kuhn Industries
Kurk Manufacturing
TCN Vehicles Division S.r.l.
TEKNO S.r.l.
VIAR Meccanica S.r.l.
Lift-Tech International , Inc.
Marathon Electric
Company Mason & Hanger
Mennies
Milwaukee Electric
Modern Tooling
Outboard Marine
Corp. Parker-Hannifin
PGI International
Sikorsky
Spicer Heavy Axle
Stace Allen Chucks
TDM Corp.
Technical Machine Service
Triad Machine
Trompler Co.
TRW
Twin Disk
Union Special Corp.

United Technologies
US Axle, Inc.
Valentek Olivette
Van Corp.
Velan Engineering
W.D. Lee & Co.
WABCO Locomotive
Products
Watts Industries
Westinghouse Electric
White Rodgers
Zurn Industries

GERMANY

Benz Sohne
Deutsche Metallwerke
Duspohl
Erco Leuchten
Fischer Mess-und
Regeltechnik
Flender AG
Gestra AG
Heraeu
s Intra
R & H Alurad Group
Regeltechnik Kornwestheim
Ronald Group

ITALY

A.D.R. S.r.l.
Atomat S.p.A.
Baruffaldi S.p.A.
Brembo S.p.A. Divisione
Dischi
Contarini Leopoldo S.r.l.
Dott. Ing. Mario Cozzani
S.r.l. Franzoni Ruggero
Fucine Rostagno S.p.A.
Manfredini Doviglio & C.
S.n.c.
Meccanica Melegari S.r.l.
Mekanotech S.n.c. di
Perissinotto
O/Cava Meccanica
S.p.A.
O.M.L. di Antonioli T.
& C.S.a.s.
O.M.G. S.p.A. di Messieri & C.
Roero Meccanica S.r.l.
SFARMEC S.r.l.
TCN Vehicles Division S.r.l.
TEKNO S.r.l.
VIAR Meccanica S.r.l.

U. K

Anson
Automatic
Components
Bombardier
British Aerospace
Depuy
Firth Rixon
FMCTechnologies
GKN
Hewland Engineering
Howdens
Kawasaki Heavy Industries
Nikken
Pear Engineering
Renishaw
Rolls Royce Aerospace
Rolls Royce
RT Quaiife
Sandvik Medical
Slomaw Engineering
Smith and Nephew
Thales Defence
Trelleborg

INDIA

Ace Designers Ltd
Amtek Auto Limited
Apex Auto Limited
BRAKES India Ltd
CRIPumps Pvt. Ltd
Cummins India Ltd
GNA Enterprises Limited
International Auto
Limited KIRLOSKAR
Brothers Ltd KIRLOSKAR
Ebara Pumps Ltd
KIRLOSKAR Oil Engines
Ltd KIRLOSKAR
Pneumatic Co. Ltd
Ramkrishna Forgings
Limited
Rico Auto Industries
Ltd TATAmotors
Wheels India Ltd

MALAYSIA

Hicom Engineering
OMS Oilfield Services
Sapura Machining
SMEA

Takako Vietnam
TRW

SINGAPORE

ASM Front-End
Manufacturing

INDONESIA

PT. Inti Ganda
Perdanan Group

JAPAN

Komats
u Nissan
SNK

THAILAND

Delphi
Honda Automobile
TRW

BRAZIL

Volkswagen

HUNGARY

Rabbe

SWEDEN

Volvo

IRAN

Mega motors
Saipa Malleable

MEXICO

Delphi

CHINA

FAW Group
Flender
JAC Group
KF Valve
KNORR
SAIC
Sany Group
Shaanxi Fast
Group WEICHAI
Power XCMG
Group

PAKISTAN

KSB Pumps
Rastgar Engineering

UAE

Ados Engineering Industries
FTV Proclad
Hoerbiger Service ME
Weatherford

SAUDI ARABIA

Saudi Mechanical Industries

OMAN

Cameron Services
Middle East
United Engineering Services

Korea Head Office

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* For more details, please contact Doosan Machine Tools.

* The specifications and information above-mentioned may be changed without prior notice.