



**Turning Center
Lynx 300**

Main Features

- Middle size turning center for light cutting
- Rigid roller type linear motion guide way
- OD tool size (25 mm), Boring bar size (40 mm)

Main Specifications

• Max. turning diameter	450 mm
• Max. work length	765 mm
• Spindle speed	3500 r/min
• Spindle motor power	15 / 11 kW
• Chuck size	255 mm
• No. of tool stations	12 st
• Travel distance [X/Z]	255 / 790 mm
• Rapid traverse [X/Z]	24 / 30 m/min
• NC system	DOOSAN FANUC i series (SIEMENS)

Related Industries

- Automotive parts
- Hydraulic parts
- General machinery parts

Note : [] are optional.



**Turning Center
PUMA 2600SY**

Main Features

- Multi-Tasking process from set-up to completion, with Y axis
- Turret with built in milling motor (BMT65) enables powerful machining
- More diverse product range than competitors (spindle motors & bed)
- New cover design & ease of maintenance

Main Specifications

• Max. turning diameter	376 mm
• Max. work length	760 mm
• Spindle speed	3500 r/min
• Spindle motor power	18.5 / 15 kW
• Chuck size	255 mm
• No. of tool stations	12 [opt. 24] st
• Travel distance [X/Y/Z]	260 / 102 / 830 mm
• Rapid traverse [X/Y/Z]	30 / 10 / 30 m/min
• NC system	DOOSAN FANUC i series (SIEMENS)

Related Industries

- Automotive parts
- Precision machinery parts
- Hydraulic / Pneumatic parts



**Turning Center
PUMA 480XLM**

Main Features

- Maximum capacity (Max. work length 3065 mm)
- Able to equip with Long Boring Bar
- Diverse Chucking System
- Automatic Steady Rest (servo motor type, optional)

Main Specifications

• Max. turning diameter	650 mm
• Max. work length	3065 mm
• Spindle speed	1500 r/min
• Spindle motor power	45 kW
• Chuck size	530 mm
• No. of tool stations	12 st
• Travel distance [X/Z]	362 / 3100 mm
• Rapid traverse [X/Z]	16 / 10 m/min
• NC system	FANUC 32i-A (SIEMENS)

Related Industries

- Oil & Gas industry
- General machinery parts
- General industrial equipment



**Turning Center
PUMA 240MSB**

Main Features

- Powerful, high-speed sub-spindle applied
- High rigid Box typed guideway

Main Specifications

• Max. turning diameter	300 mm
• Max. work length	513 mm
• Spindle speed	4500 r/min
• Spindle motor power	15 / 11 kW
• Chuck size	135 mm
• No. of tool stations	12 st
• Travel distance [X/Z/B]	205 / 580 / 580 mm
• Rapid traverse [X/Z/B]	24 / 30 / 30 m/min
• NC system	FANUC 18i-TB (SIEMENS)

Related Industries

- Automotive parts
- Precision machinery parts
- General machinery parts



**Turning Center
PUMA VT1100M**

Main Features

- High Torque Spindle : 6389 N·m
- Big Size Tool disk : BMT85P, 11 kW, 140 N·m
- C-Axis Rotary Scale : MP Scale (0.001 deg)
- High Accuracy 1-degree Index Spindle (M-code)

Main Specifications

• Max. turning diameter	1100 mm
• Max. work length	1000 mm
• Spindle speed	850 r/min
• Spindle motor power	45 / 55 / 60 kW
• Chuck size	800 mm
• No. of tool stations	12 st
• Travel distance [X/Z]	580 / 1000 mm
• Rapid traverse [X/Z]	20 / 20 m/min
• NC system	FANUC 21i-TB (SIEMENS)

Related Industries

- Aero space parts
- Railway vehicle wheel parts
- Oil & Gas industry
- Construction & industrial machinery parts



**Swiss Turn
PUMA ST20G**

Main Features

- High productivity for small workpiece
- High-speed realized through applying LM guide to all axis
- Improved productivity & multi-tasking by diverse milling tools.
- Fanuc 31i-A applied

Main Specifications

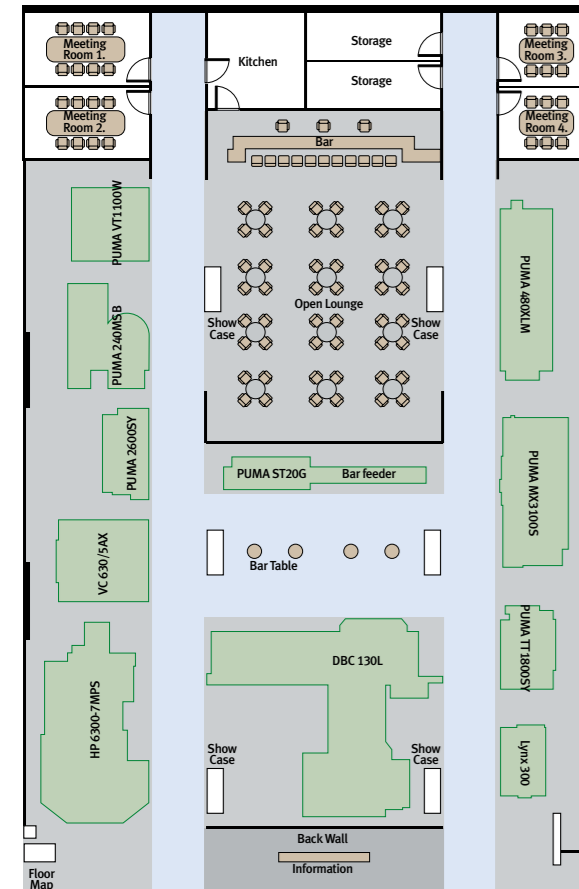
• Max. Machining Diameter	ø 20 x 210 mm
• Main / Sub Spindle Speed	10000 / 8000 r/min
• Main / Sub Spindle Motor	3.7 / 2.2 kW
• Tool storage capacity	25 ea (Max.31)
• Max drilling / tapping capacity	10 / M8
• Travel distance [X/Z]	90 / 210 mm
• Rapid traverse [X/Z]	32 m/min
• NC system	FANUC 31i-A

Related Industries

- Automotive parts
- Electrical and electronics
- Medical parts
- General machinery



There's a whole lot of Doosan Machine Tools at EMO2009



Turning Center
PUMA TT1800SY

Main Features

- Simultaneously machine 8 axes
- High-speed & high-productivity
- Diverse optional features for factory automation

Main Specifications

• Max. turning diameter	230 mm
• Max. work length (L/R)	120 / 230 mm
• Spindle speed	5000 r/min
• Spindle motor Power	22 / 18.5 kW
• Chuck size	210 mm
• No. of tool stations	12 st + 12 st
• Travel distance [X/Z]	165 / 700 mm
• Rapid traverse [X/Z]	20 / 40 m/min
• NC system	FANUC 18i-TB (SIEMENS)

Related Industries

- Automotive parts
- Hydraulic parts
- Precision machinery parts
- IT industry

Note : [] are optional.



Turning Center
PUMA MX3100S

Main Features

- Finish all machining process in a single setup (TC + MC)
- Simultaneous 5 axis machining for complex shaped parts (X, Y, Z, C, B)

Main Specifications

• Max. turning diameter	760 mm
• Max. work length	1540 mm
• Spindle speed	3000 r/min
• Spindle motor Power	30 / 25 kW
• Chuck size	255 mm
• No. of tool stations	40 [opt. 80] st
• Travel distance [X/Z]	630 / 1585 mm
• Rapid traverse [X/Z]	36 / 36 m/min
• NC system	FANUC 31i-A (SIEMENS)

Related Industries

- Aerospace parts
- Medical products (ex : artificial joints)
- Oil & Gas industry
- Environmental, defense industry



Vertical Machining Center
VC630/5AX

Main Features

- High-speed and precision 5 axis Machining center
- High-rigid roller type linear motion guide way
- Simultaneous 5 axis machining for complex shaped parts
- Super rigid units for titanium & hard material
- Maximized ATC magazine for high productivity [80 EA]

Main Specifications

• Stroke [X/Y/Z]	650 / 765 / 520 mm
• Stroke [A/C]	+30 ~ -120/360 deg
• Spindle speed	12000 r/min
• Spindle motor power	22 kW
• Table size	ø 630 mm
• Table allowable load	500 kg
• Tool storage capacity	40 [opt. 60, 80] ea
• Rapid traverse [X/Y/Z]	40 / 40 / 36 m/min
• NC system	HEIDENHAIN iTNC 530 {FANUC, SIEMENS}

Related Industries

- Aerospace parts
- Medical products
- Automotive parts



Horizontal Machining Center
HP 6300+7MPS

Main Features

- High-productivity (perfect solution for automotive industry)
- Column moving type
- High-speed spindle with rapid acceleration & deceleration
- Various solutions provide for small quantity batch production (Multi Pallet Station [MPS], Matrix Magazine)

Main Specifications

• Stroke (X/Y/Z)	1000 / 850 / 850 mm
• Spindle speed	10000 r/min (opt. 6000/12000 r/min)
• Spindle motor power	22 / 30 kW
• Rapid traverse (X/Y/Z)	48 / 48 / 48 m/min
• Max. workpiece size (dia x height)	ø 1000 x 1150 mm
• Pallet size	630 x 630 mm
• Tool change time	2.0 s (T-T-T)
• Pallet change time	12.0 s
• NC system	FANUC 31i-A (SIEMENS)

Related Industries

- Automotive parts processing line
- IT industry, aerospace and medical parts processing line
- Precision machinery parts line
- Construction machinery parts processing line



Horizontal Boring Mill
DBC 130L

Main Features

- Maximized workspace by extending axis
- Rotary encoder attached by applying double pinion method (standard feature)
- Improved machining precision by high-rigid & anti-deformation bed

Main Specifications

• Travel [X/Y/Z/W]	4000 / 2300 / 2000 / 700 mm
• Max. cutting feedrate [X/Y/Z]	4000 mm/min
• Spindle speed	2500 r/min [3000 r/min]
• Rapid traverse [X/Y/Z/W]	10 / 10 / 10 / 10 m/min
• Table load capacity	15000 kg
• No. of tool stations	[opt. 40 / 60 / 90 / 120]
• NC system	FANUC 31i-A (HEIDENHAIN)

Related Industries

- Shipbuilding industry (ex : engine components)
- Oil industry (ex : valve)
- General machinery parts
- Large welded structures

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Head Office :
Doosan Tower 23rd FL., 18-12, Euljiro-6Ga, Jung-Gu, Seoul, Korea 100-730
Tel : ++82-2-3398-8651 Fax : ++82-2-3398-8699

Doosan Infracore America Corp.:
8 York Avenue, West Caldwell, NJ 07006, U.S.A.
Tel : ++1-973-618-2500 Fax : ++1-973-618-2501

Doosan Infracore Germany GmbH :
Hans-Böckler-Strasse 29, D-40764 Langenfeld-Fuhrkamp, Germany.
Tel : ++49-2173-8509-10 Fax : ++49-2173-8509-60

Doosan Infracore Yantai Co., LTD :
13 Building, 140 Tianlin Road, Xuhui District, Shanghai, China (200233)
Tel : ++86-21-6440-3384 (808, 805) Fax : ++86-21-6440-3389