

# **NOMURADS**

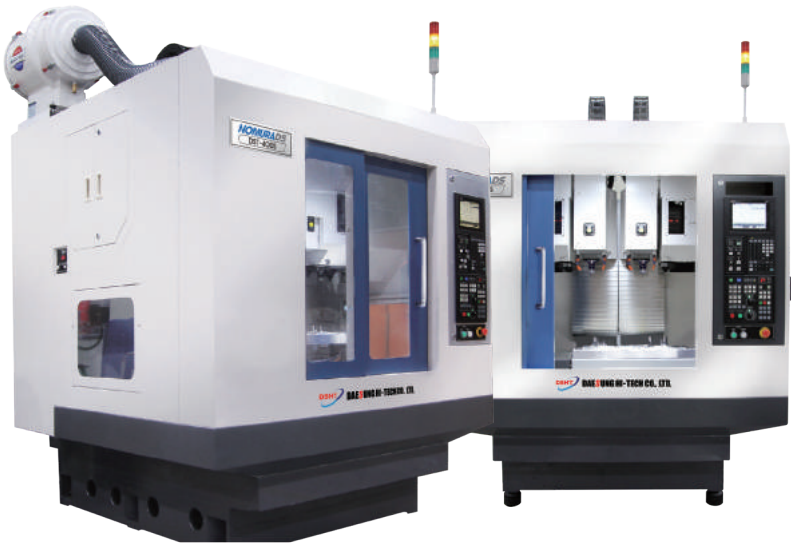
Compact Machining Center

## DST 40DS

## DST 42DS



# 2-HEADS TAPPING CENTER



## Two Heads Operation

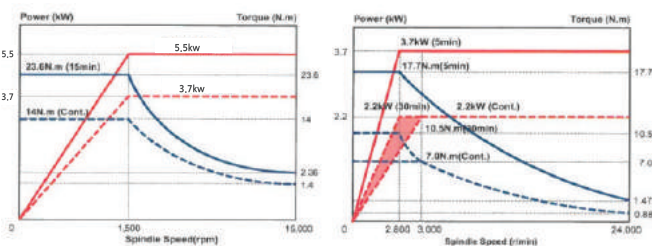
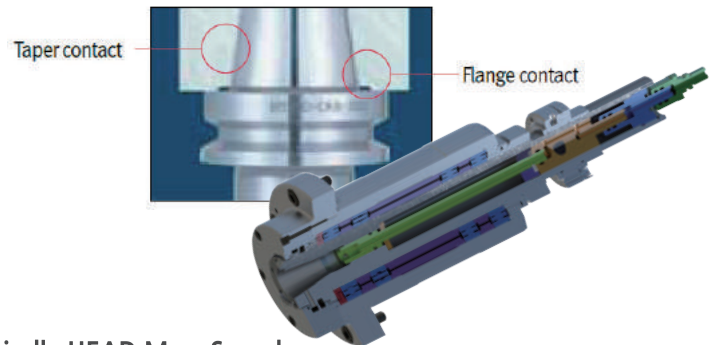
- ▶ Increased productivity and decreased cost
- ▶ Reduced time of Loading/Unloading
- ▶ Minimized area of installation
  - Reduced investment cost

# NOMURA DS Compact Machining Center DST 40DS | DST 42DS

## Main spindle

### 2 surface restraint type [BBT 30] –Taper & Flange Contact

Ceramic bearing and optimized pre-load setting in main spindle increases rigidity, speed and low heat emission to maintain stable accuracy in long time high speed machining  
High output main motor as standard maximizes productivity

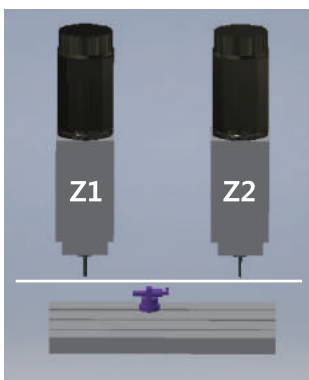


### Main Spindle HEAD Max. Speed

Standard : 15,000rpm

Option : 24,000rpm (No optional chiller required)

## 2-HEAD OFFSET



- Extra Z1, Z2 function
- Reduced tool setting time
  - Precise position correction by one-touch

## Controller (convenience)

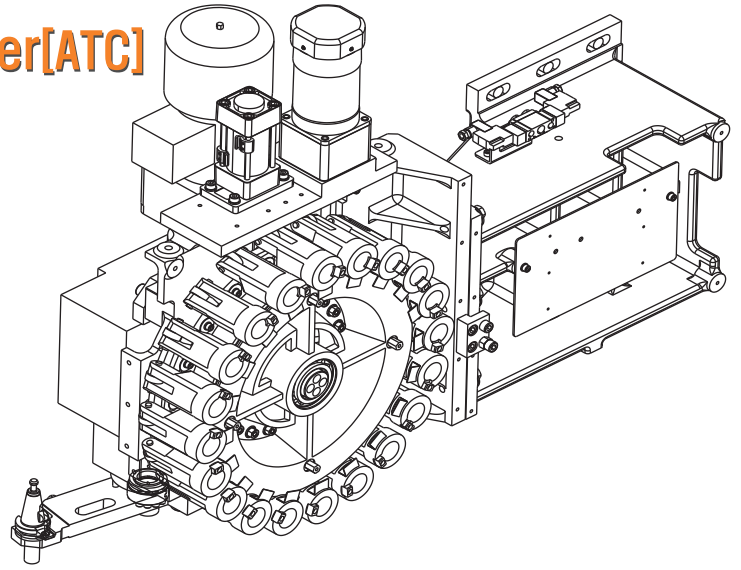


- The latest NC Mitsubishi M80
- Increased operation speed with high speed PLC engine
  - Reduced cycle time

## High-productivity Auto Tool Changer[ATC]

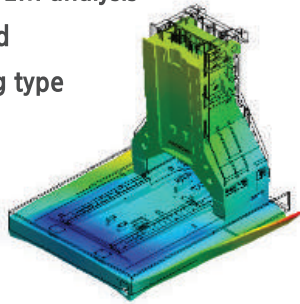
Twin Arm Magazine minimizes tool change time by using ATC

Number of tools	Tool change time(T-T /C-T-C)
20 / 24 Tool	1.1 sec. / 1.9 sec.



## High rigidity structure

- ▶ High rigidity structure design through FEM analysis
- ▶ Minimized vibration during cutting feed
- ▶ Optimized structure for column moving type



< Structure analysis -Stress >

### Ball Screw & LM Guide

- Precision Ball screw (X/Y/Z Axis) adopted
- Improved machining capacity and durability with high-rigid roller guide

### Travel distance and Max. Travel speed

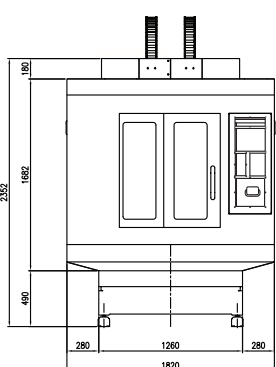
- X/Y/Z-AXIS - 540 / 400 / 400 (40DS)  
- 720 / 420 / 480 (42DS)
- Max Travel speed(X/Y/Z) - 60 M/min



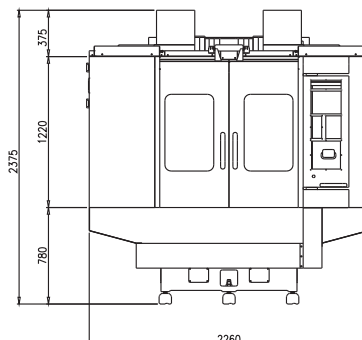
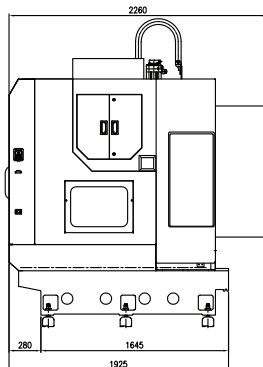
### Table Size

- 750 x 400 (40DS)
- 1040 x 420 (42DS)  
(Wide workspace)

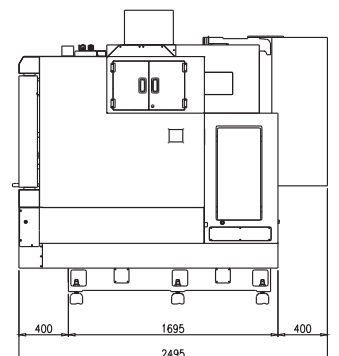
## Outside view of the machine



< DST 40DS >



< DST 42DS >



· Machine Specification

Item			DST-40DS	DST-42DS	Remark
Capacity	X-axis travel	mm	540	720	
	Y-axis travel	mm	400	420	
	Z-axis travel	mm	400	480	
Table	Work Area (Table Size)	mm	750 X 400	1,040 X 420	
	Work Height (Max.)	mm	250	300	
Spindle	Spindle Max. RPM	rpm	15,000/24,000 (Standard/Option)		
	Spindle output	kW	5.5/3.7		
	Spindle Taper	-	7/24 Taper (BBT 30)		
Feed rate	Rapid Feed Rate	m/mim	60 / 60 / 60		
ATC unit	Tool Selection Method	-	Twin Arm		
	Pull Stud Type	-	MAS403-BT30 / MAS P30T-1		
	Number of Tools	POT	20/24 (Standard/Option)		
	Tool Max. Dia	mm	Φ60		
	Tool Max. Length	mm	190		
	Tool Max. Weight	kg	3		
	Tool Selection	-	Random		
Electric / Utility	Power Supply	V	220V (50/60Hz)		
	Power Capacity	KVA	26		
	Air Pressure	Mpa	0.4 ~ 0.6		
Machine	M/C Size (W x L x H)	mm	1,820 X 2,260	2,260 X 2,495	
	M/C Weight	kg	4,200	5,500	
Controller	CNC	-	MITSUBISHI		

DST 40DS / 42DS	STANDARD		OPTION	
	* Max Speed 15,000 min-1		* Max Speed 24,000 min-1	
	* Signal Light ( LED operation lamp)		* Oil Skimmer	
	* Splash Guard		* Through Coolant System	
	* Coolant Tank & Chip Bucket		* Chip Conveyor (L/ R /Rear) Scraper & Hinge Type	
	* Flood / Bed Shower		* Hydraulic System	
	* Portable MPG		* Accessary (Coolant Gun, Air Gun, Transformer)	
	* Installation Parts and One Standard Work Tool		* Auto Door	
	* Auto Tool Length Measuring Gauge		* 4 axis rotary Table	

# DAESUNG HI-TECH CO., LTD.

**DAESUNG HI-TECH** 10, Techno-daero 2-gil, Hyeonpung-myeon, Dalseong-gun, Daegu 43020, Korea  
TEL.+82-53-608-3662 / FAX.+82-53-592-6577

**NOMURADS** 3-1-12, IMAI, OME-CITY, TOKYO198-0023, JAPAN  
TEL.+81-428-30-1313 / FAX.+81-428-30-1312

**DAESUNG HI-TECH VINA** TS9 Street, Tien Son Industrial Zone, Tuong Giang Commune, Tu Son Town, Bac Ninh Province  
TEL.+84-241-3734-4125~6 / FAX.+84-241-3734-4124

**HanzungNC** Xuling Village, Xinhua Street, Zhuanghe city, Dalian Liaoning Province, China( Xinhua Industrial Zone)  
TEL.+86-411-89812963 / FAX.+86-411-89812962

**German office** Ludwig-Erhard-Str. 30-34, 65760 Eschborn, Germany  
TEL.+49-6196-969-5946 / E-mail.info@nomurads.de

Specifications may be subject to change without prior notice (for the purpose of quality improvement and function)