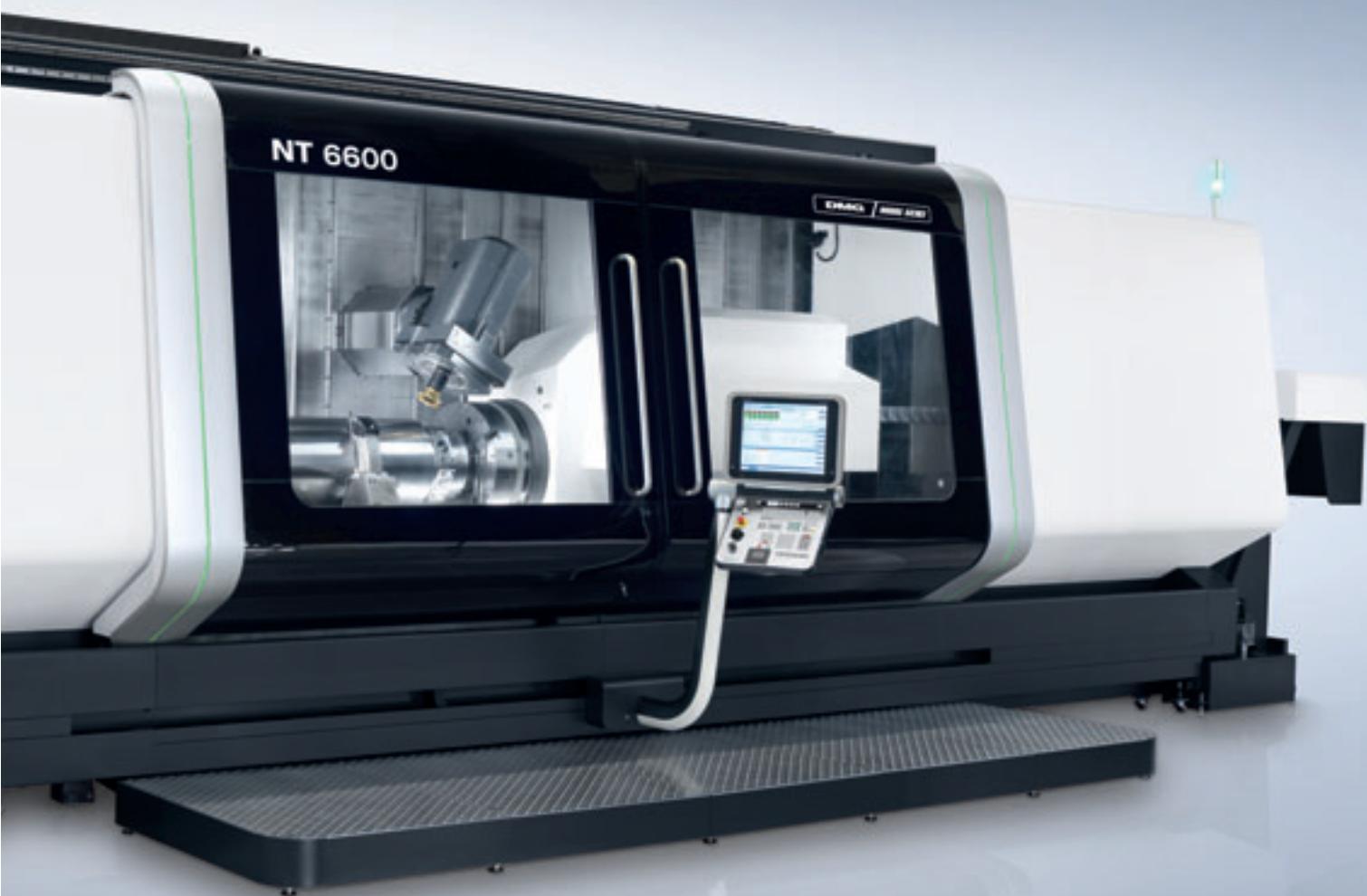




NT 6600

Highly-precise Turn/Mill Centre



www.dmgmori-seiki.com



Highly-precise Turn/Mill Centre with a large traverse range.



NT 6600



Turning length up to 6,000 mm
Turning diameter up to 1,070 mm
Work piece weight up to 7,000 kg
Spindle torque of 6,750 Nm

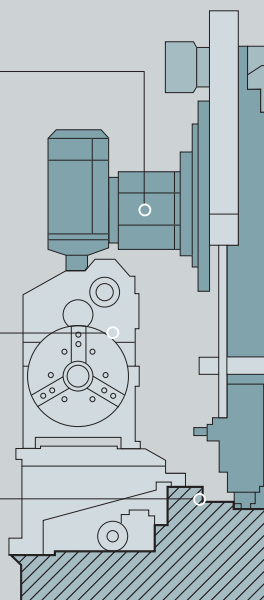
TOP-CLASS MILLING PERFORMANCE

The Box-in-Box design allows extreme rigidity and vibration-free operation. Two drive motors guarantee symmetric power transmission and the highest acceleration during high-speed machining.

TWIN-DRIVE OF THE X AND Z-AXIS

RIGID FLAT-BED CONSTRUCTION

No deformations occur due to the complete absorption of energy during machining.



The new NT 6600 is equipped with technical highlights from the turning and milling sectors, and combines high speed and precision for the effortless machining of long and large work pieces.

Highlights NT 6600

- o **Same power in strong main and counter spindles**
- o The application of **Direct Drive** or Torque Motors for the free indexing of the tool spindle allows fast and precise movements
- o **Large work area** due to the largest traverse path of the Y / Z- and X-axis in its class
- o **Control:** DMG ERGOline® Control with Siemens SINUMERIK Operate featuring ShopTurn 3G and a 19" screen

FEED RATE

X-axis 40 m/min

Y-axis 30 m/min

Z-axis 32 m/min

TRAVERSE PATHS IN Y

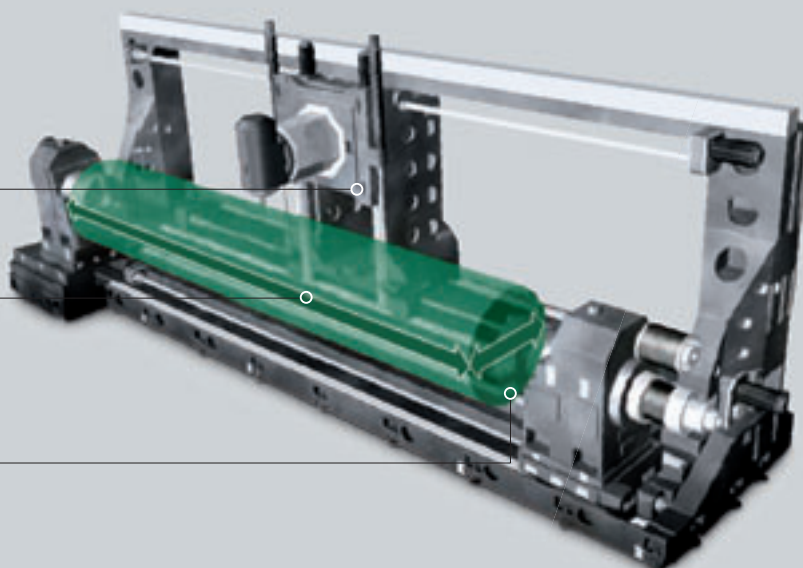
660 mm

MAX. TURNING LENGTH

4,000 or 6,000 mm

MAX. TURNING DIAMETER

1,070 mm





NT 6600

LARGE MACHINES:

A new dimension of machining.
Large turning parts up to 7,000 kg.

DMG ERGOline® Control: Siemens SINUMERIK Operate, ShopTurn 3G and 19" screen.

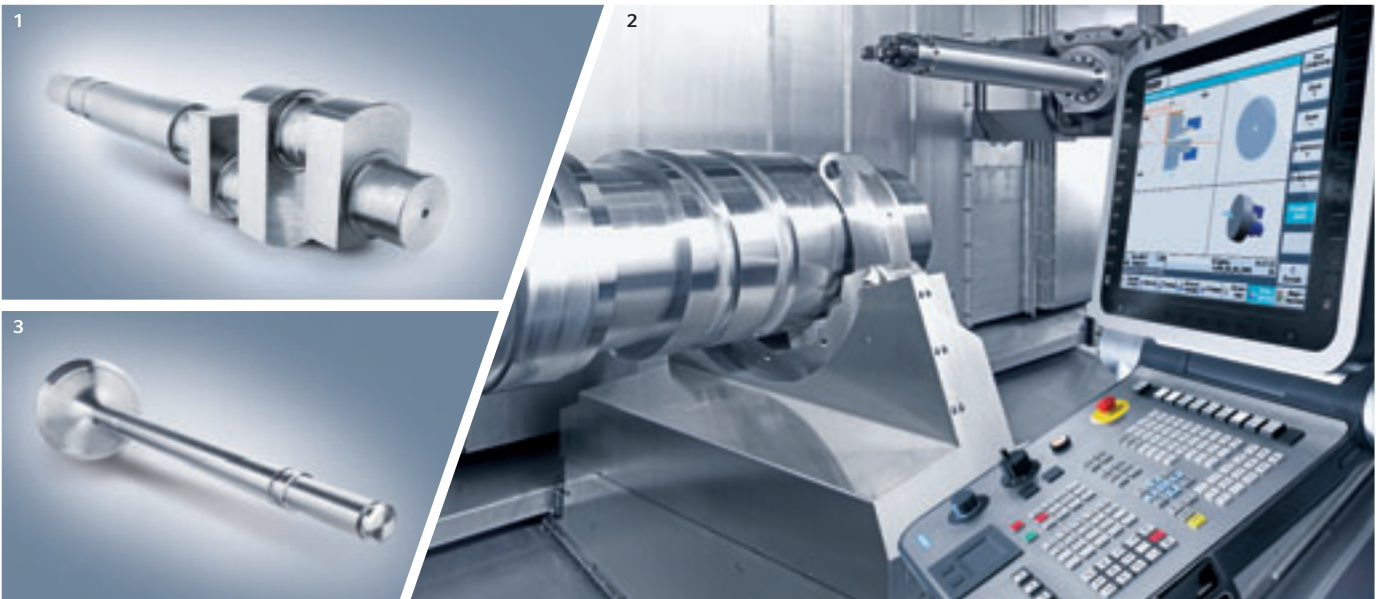
Optimum ease of use and more
information available at a glance.

- Direct programming
- 3D-graphics including real-time simulation
- New, clearly arranged screen design
- Signal-light diagnostics for all drives

Benefits

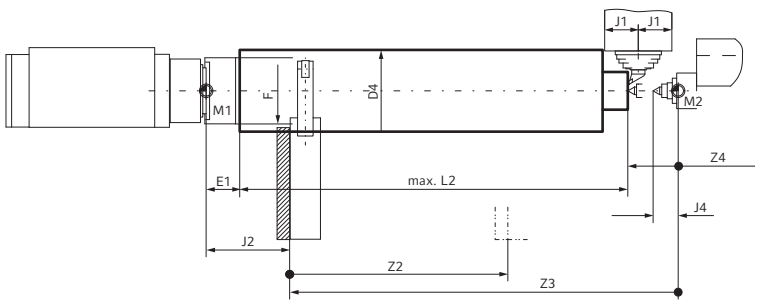
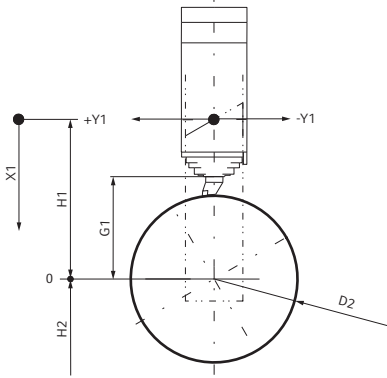
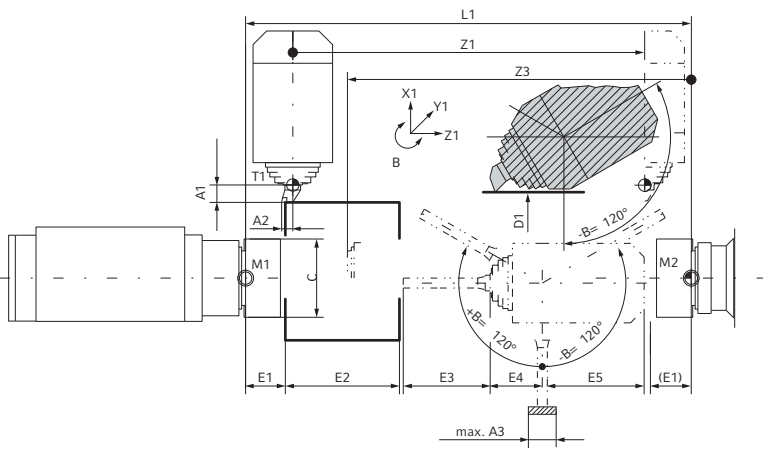
- Easiest visual programming
- User images for fast setup
- Ethernet interface for fast data exchange
- Secure setup also with visual support
- Simple troubleshooting through diagnostics details
- Preventative maintenance

1 Crank shaft for a large motor $\varnothing$ 350 mm $\times$ 1,800 mm 2 DMG ERGOline® ControlPanel with Siemens SINUMERIK Operate and ShopTurn 3G 3 Valve for a marine diesel engine $\varnothing$ 550 mm $\times$ 1,900 mm



Work areas

WORK AREA NT 6600 / 4000 / 6000



- T...Tool holder reference point
- M...Machine zero point

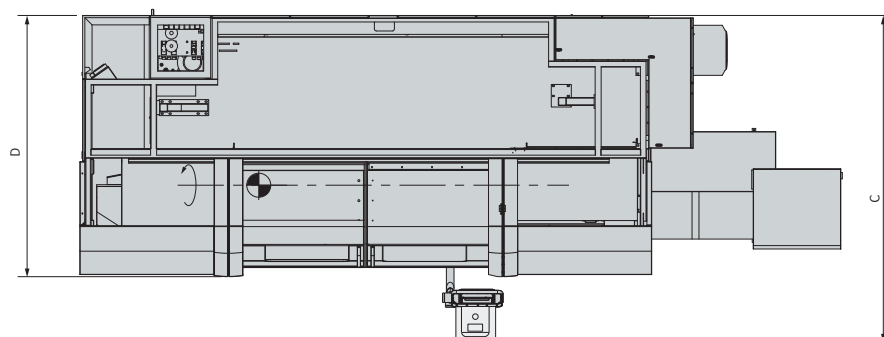
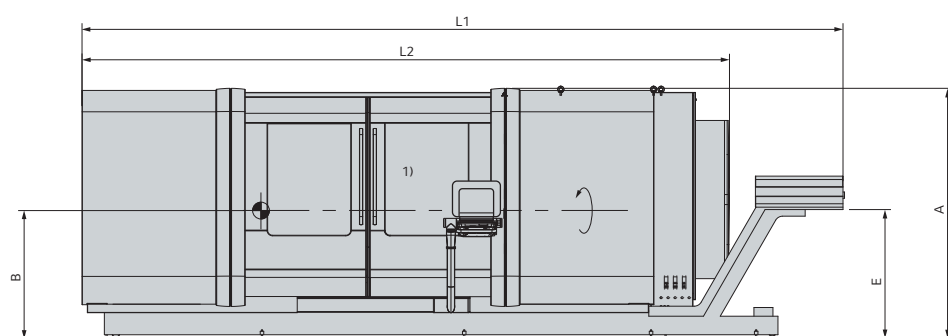
MACHINE	A1***	A2***	C	D1	D2	D4*	E1	E3	E4	E5	G1	H1
NT 6600 / 4000	90	65	630	1,070	1,070	460	200	600	255	475	745	1,000
NT 6600 / 6000	90	65	630	1,070	1,070	460	200	600	255	475	745	1,000

MACHINE	J1	J2	J4	L1	L2	X1	Y1	Z1	Z2	Z3	Z4**
NT 6600 / 4000	170	700	87.5	4,510	4,076	1,040	330	4,150	2,870°	3,500	150
NT 6600 / 6000	170	700	87.5	6,510	6,076	1,040	330	6,150	3,870°	4,870	150

* Steady rest clamping range, ** Hub tailstock spindle sleeve, *** HSK-A100, ° Two steady rests, °° Three steady rests

Work areas

WORK AREA NT 6600 / 4000 / 6000



MACHINE	A	B	C	D	E	L1	L2
NT 6600 / 4000	4,300*	1,250	4,970	4,250	1,230	11,780	10,265
NT 6600 / 6000	4,300*	1,250	4,970	4,250	1,230	13,780	12,265

¹⁾ NT 6600 / 6000 with three work area doors, * with a tool changer

Technical Data

MACHINE TYPE		NT 6600 / 4000	NT 6600 / 6000
Work area			
Swing diameter max.	mm	1,070	1,070
Turning diameter max.	mm	1,070	1,070
Travel in X	mm	1,040	1,040
Travel in Y	mm	±330 to ~280 (LBB Specification)	±330 to ~280 (LBB Specification)
Travel in Z	mm	4,150	6,150
Main spindle			
Spindle drilling	mm	275	275
Max. drive power (40 % DC)	kW	52	52
Max. torque (40 % DC)	Nm	6,750	6,750
Rotational speed range	rpm	1,000	1,000
Counter spindle*			
Max. drive power (40 % DC)	kW	52	52
Max. torque (40 % DC)	Nm	6,750	6,750
Rotational speed range	rpm	1,000	1,000
Turning-milling spindle			
Tool reception		HSK-100A / Capto C8	HSK-100A / Capto C8
Max. spindle speed	rpm	12,000	12,000
Max. drive power (40 % DC)	kW	34	34
Max. torque (40 % DC)	Nm	260	260
Swivel range (B)	Degree	±120	±120
Tool magazine, chain			
Tool number		50 (100, 140, 180)*	50 (100, 140, 180)*
Tool length	mm	600	600
Tool weight	kg	30	30
Tailstock			
Sleeve stroke	mm	150	150
Quill reception	MK	6	6
Machine weight	t	52 – 60	59 – 67

*Optional

Control

DMG ERGOline® Control with a 19" screen

Siemens SINUMERIK Operate with ShopTurn 3G

DMG EUROPE HOLDING GMBH:

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