

| SPECIFICATION

SPECIFICATION	Unit: mm						
DHT Bed width	510						
DHT-860-105		SPINDLE					
Swing over bed	860	Bore Ø105 4"					Motor α15 (15 kw)
Center Height	430	Nose A2-11					
Swing over cross slide	500	Speed 23~1300 rpm					
X-Axis Travel	430	◎The X-axis stroke changes with the turret specifications.					
X-axis Ball Screw	C3 Ø25 P5	Feed : Rapid 5000 / Cutting 3000 mm/min Motor α12 (3kw)					
DHT-860-152		SPINDLE					
Swing over bed	860	Bore ø152 6"					Motor α18 (18.5 kw)
Center Height	430	Nose A2-11					
Swing over cross slide	500	Speed 16 - 810 rpm					
X-Axis Travel	430	◎The X-axis stroke changes with the turret specifications.					
X-axis Ball Screw	C3 Ø25 P5	Feed : Rapid 5000 / Cutting 3000 mm/min Motor α12 (3kw)					
DHT-1120-152		SPINDLE					
Swing over bed	1120	Bore ø152 6"					Motor α22 ( 22 kw)
Center Height	560	Nose A2-11					
Swing over cross slide	760	Speed 6 - 500 rpm					
X-Axis Travel	560	◎The X-axis stroke changes with the turret specifications.					
X-axis Ball Screw	C3 Ø25 P5	Feed : Rapid 5000 / Cutting 3000 mm/min Motor α12 (3kw)					
Bed	1M	1.5M	2M	3M	4M	5M	6M
Distance between centers	1000	1500	2000	3000	4000	5000	6000
Length of Bed	3300	3800	4300	5300	6300	7300	8300
Z-Axis Travel ( Straight bed )	1000	1500	2000	3000	4000	5000	6000
◎The Z-axis stroke changes with the specifications of the turret, chuck or tailstock.							
Z-axis Ball Screw 1~4 M	C3 Ø50 P10	Feed : Rapid 5000 / Cutting 3000 mm/min Motor α22 (4kw)					
Z-axis Ball Screw 5~6 M	C3 Ø63 P10	Feed : Rapid 5000 / Cutting 3000 mm/min Motor α30 (7kw)					
Turret							
Manual H4-185	Tool shank size : OD 25 x 25 / ID Ø40						
OP HydraulicTurret	H4-250 V8	V12	H4-250VDI				
OP Power Turret	VDI 30	VDI 40	BMT45	BMT55			
Cutting performance	Spiral drill Ø14 / Keyway Ø16 / Thread M10*1.5 / M24*1						Material: Steel St 60
Tailstock							
Quill Size	Ø115 Taper MT6						
Manual Quill Travel	300		OP: Motorized / Hydraulic type				
Body Movement	By saddle		OP: motorized - by rack				
Body Lock Type	Manual		OP: Hydraulic type				
Machine Size	1M	1.5M	2M	3M	4M	5M	6M
Length 1~ 6 M	5105	5605	6105	7105	8105	9105	10105
Width 1~ 6 M	2735						
1~ 6 M Height 1~ 6 M	2270						
Measurement	1M	1.5M	2M	3M	4M	5M	6M
DHT- 860 N.W. Kg (approx)	9000	9400	9800	10600	11400	12200	13000
DHT- 860 G.W. Kg (approx)	9300	9750	10200	11100	12000	12900	13800
DHT-1120 N.W. Kg (approx)	9400	9800	10200	11000	11800	12600	13400
DHT-1120 G.W. Kg (approx)	9700	10150	10600	11500	12400	13300	14200
Machine Color	Base: RAL-7024 dark gray				Others: RAL-7035 light gray		

\*We reserve the right to modify and improve our products without notice.

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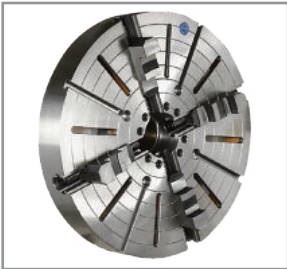
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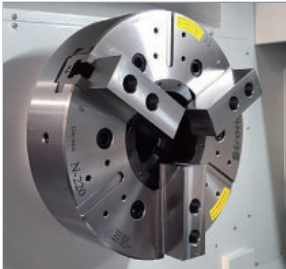
| OPTIONAL ACCESSORIES



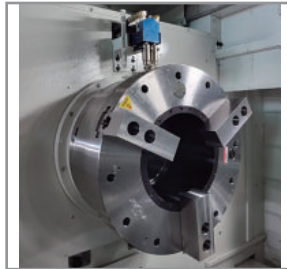
OP 1-①  
3-aw scroll chuck




OP 1-②  
4-jaw independent chuck



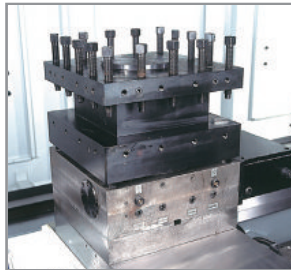
OP 1-③  
Hydraulic 3-jaw through-hole power chuck




OP 1-④  
3-jaw air chuck



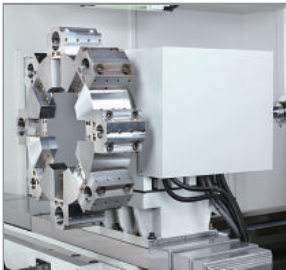
OP 5  
Steady rest



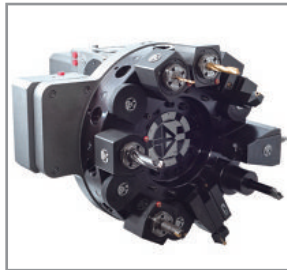
OP 2-①  
Hydraulic turret H4



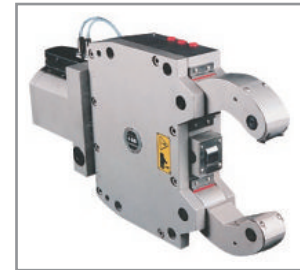
OP 2-②  
Hydraulic turret H4-VDI



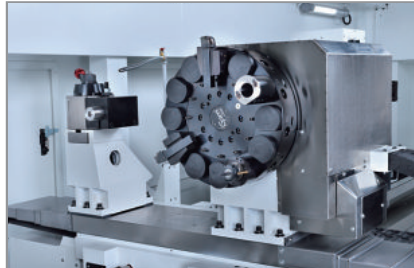
OP 2-③ ④  
Hydraulic turret V8,V12




OP 2-5  
Powerful live turret



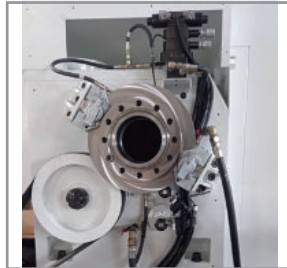
OP 6  
Hydraulic steady rest




OP 7  
Double turret



OP 8  
Double chuck



OP 10  
C-axis function & spindle hydraulic brake



OP 12-①  
Tailstock with self-rotary quill

STANDARD ACCESSORIES:	OPTIONAL ACCESSORIES:	
(without chuck and turret)		
1.Controller: FANUC	1.Chuck	3.Transformer
2.Spindle 4-steps speed auto. Change	① 3-aw scroll chuck	4.Follow rest
3.XZ-axes auto. lubrication system	② 4-jaw independent chuck	5.Steady rest ø15", ø20"
4.XZ-axes with Turcite-B	③ Face plate with 4-jaw	6.Hydraulic steady rest
5.XZ-axes C3 ball screw	④ Hydraulic 3-jaw through-hole power chuck	7.Double turret
6.Rear Chain type Chip conveyor	⑤ Hydraulic 3-jaw none through hole power chuck	8.Double chuck
7.Manual Tailstock	⑥ 3-jaw air chuck	9.Linear scale
8.Steady rest 11.5"	2.Turret:	10.C-axis function & spindle hydraulic brake
9.Coolant system	① Hydraulic turret H4	11.Boring attachment
10.Full enclosed splash guard	② Hydraulic turret H4-VDI	12.Tailstock
11.Spindle oil cooler	③ Hydraulic turret V8 / VDI disk	① with self-rotary quill
12.Air conditioner (for electric cabinet)	④ Hydraulic turret V12 / VDI disk	② hydraulic on quill
13.Dead center	⑤ Powerful live turret (must match with C-axis)	③ base motorized
14.Tools & tool box & level pads		④ base hydraulic lock bolt
15.Operational manual		



# HEAVY DUTY CNC LATHE

## DHT-860, 1120 series



Efficiency

Precision

Quality




Photo Shown: DHT-1120X4000



<http://www.topdenver.com>





# DENVER

## DHT series 860, 1120 X

### 1000, 1500, 2000, 3000, 4000, 5000, 6000

## SPINDLE BORE: 4", 6"

### BED WIDTH: 510mm / 20"

Option: 3 jaw scroll chuck

Option: Powerful live turret

Option: Hydraulic quill

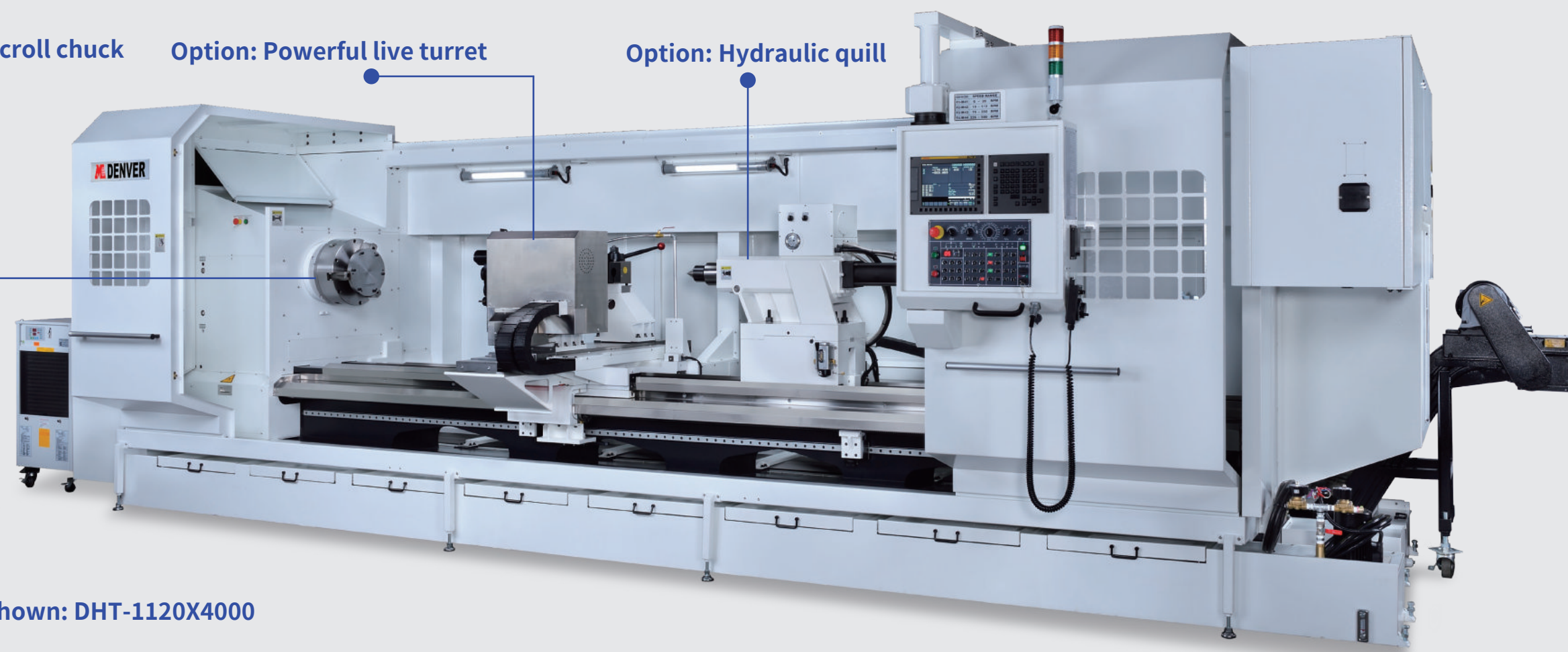


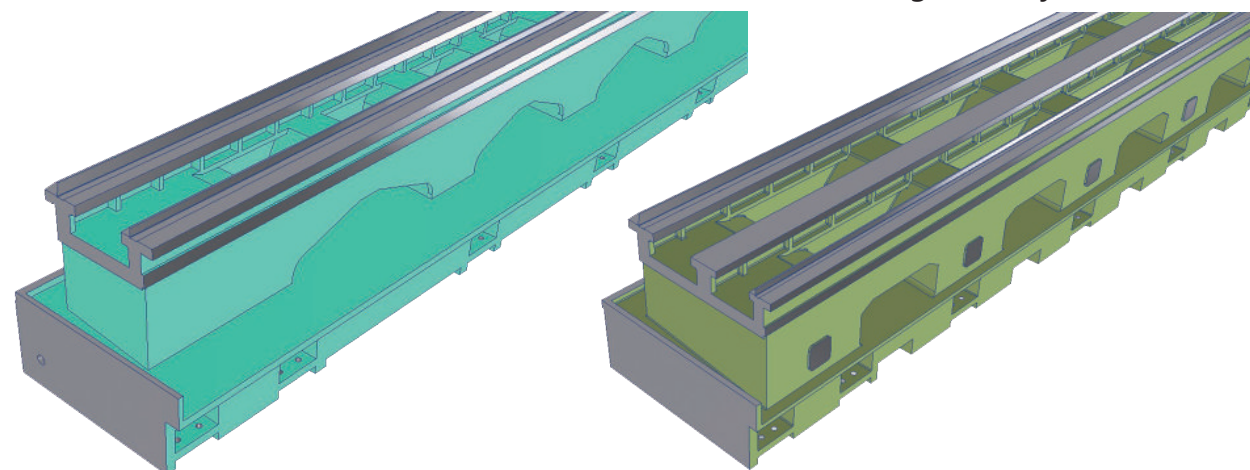
Photo shown: DHT-1120X4000

- This is a heavy duty precision CNC lathe that has the function of output full horse power during low & high speed, available for big, special parts and mold work pieces.

#### FEATURES :

- The slide way and ball screw can be lubricated automatically by central lubrication system. Oil flow and lubrication frequency can be set as desired. An alarm occurs in case of lack of oil.
- The coolant system delivers high pressure coolant to flush chips and extend tool service life.
- Mechanical and electrical are designed all in one.
- FC-30 steel are used for main structures like base, spindle, saddle and tailstock, which are annealed and have no deformation.

▼ Photo shown Option : Bed with three guide ways.



#### ▲ BASE :

- The structure of bed is adopted high toughness Meehanite cast iron; stabilize properly parallel precision. Bed ways are induction hardened and ground.
- One -piece casting base for processing capacity to be more stable.

#### HEADSTOCK -Spindle 4-step speed auto change



◀ Photo shown headstock with spindle bore 152mm(6").

- The spindle bore diameter 4" or 6 " are supported by precision heavy duty bearings at three points.
- Equipped with hydraulic cylinder for automatic speed change, with four-speed gears speed change, each speed can be output at full horsepower, and can achieve high-precision and heavy-duty cutting.
- Gear and shaft are made of super alloy material with NSK bearings to offer durable cutting and low production noise.
- Sealed oil bath lubrication system with enforced oil supply by mechanical pump to achieve better lubrication effects.

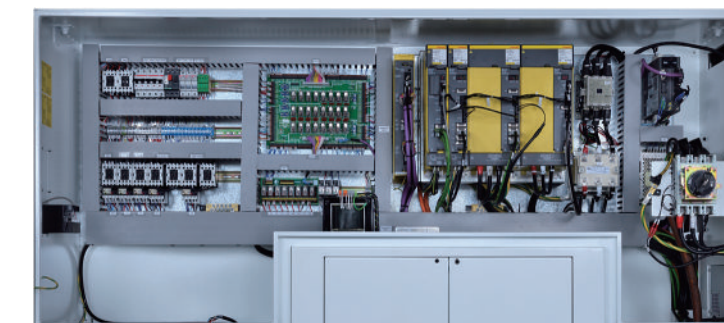
#### Tailstock



◀ Photo shown Option : Tailstock with hydraulic quill.

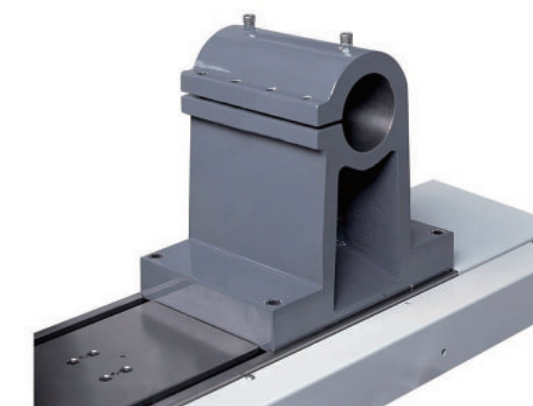
- Tailstock extended quill match up with H4 turret or V8 hydraulic turret can do cutting of long workpiece.
- Depend on the requirement of client, tailstock quill can be changed to optional hydraulic quill and tailstock base with hydraulic lock bolt.
- Standard with saddle-tailstock device makes the tailstock body move smoothly and the operation is labor saving.
- Optional function of tailstock base moving motorized is available.

#### High quality control components



- The control circuit in the electrical cabinet consists of high-quality electronic components, featuring maximum stability of control performance and long service.
- The electrical cabinet is equipped with a heat exchanger to ensure constant temperature.

◀ Photo shown Option : Boring attachment



- Special customized boring attachment and boring bar can be installed on the cross slide, and the diameter and depth of the boring hole can be controlled by programming.
- Special customized bushings can be produced for different processing requirement to install different sizes of boring bars.
- According to customer needs, it can be equipped with a cooling system with coolant through center.