

HALLERBS

CNC LATHES

**Ø200 to Ø560 swing, up to
1,600 mm between centres.**

Slant bed and box way, with driven tools, Y axis and sub-spindle where the part needs them. Spindle bores to Ø102 mm, bar capacity to Ø91 mm.



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Reading this range

Three bed types and a suffix system. Both matter more than the swing figure when you are choosing.

BED TYPES

- **CX — slant bed, linear rail.** Fast, accurate, chips fall clear. The default for bar work and medium-batch chuck work.
- **CB — box way.** Heavier, slower in rapid, better under interrupted cut and heavy roughing. Large-spindle option takes the bore to Ø102 mm.
- **GXE / CT — large swing and disc work.** Ø560 mm over the bed on the GXE560; the CT machines are set up for discs and short chuck parts.

SUFFIXES

- **M** — driven tools. Mill and drill on the turret, so a part with a flat or a cross-hole finishes in one setup.
- **Y** — Y axis. Off-centre features without a second operation.
- **S** — sub-spindle ready, for done-in-one from bar.
- **L / F** — extended bed. Same swing, longer part.

Ø102 mm

Largest spindle bore, CB370 with large-spindle option

Ø91 mm

Largest bar capacity, HL-CB370L

1,600 mm

Longest workpiece, HL-CX250F



The bore and the bar figure decide more jobs than the swing does.

If you are running bar, start with Ø46 / 52 / 75 / 91 mm and work back — the swing is rarely the constraint.

Slant bed

HL-CX150 ... CX250F — slant bed

Specification	Unit	HL-CX150	HL-CX200	HL-CX250	HL-CX250L	HL-CX250F
CAPACITY						
Max turning Ø	mm	200	280	480	480	480
Max workpiece length	mm	350	460	630	1100	1600
Spindle bore	mm	56	61	87	87	87
Max bar Ø	mm	46	52	75	75	75
Chuck	in	6"	8"	10"	10"	10"
SPINDLE						
Motor power	kW	7.5	11 / 15	15 / 18.5	15	15
Max speed	rpm	5,000	4,500	3,500	3,500	3,500
AXES						
X / Z travel	mm	190 / 380	200 / 480	280 / 650	280 / 1150	300 / 1650
Rapid X / Z	m/min	24 / 24	18 / 28	18 / 24	18 / 24	18 / 24
TURRET						
Tool stations		8 / 12	8 / 12	8 / 12	8 / 12	8 / 12

M suffix: driven tools. Same capacities as the base model.

HL-CX200S ... CX250SFMY — slant bed, driven tools and Y axis

Specification	Unit	CX200S	CX200SMY	CX250S	CX250SM	CX250SMY	CX250SLM	CX250SFM	CX250SFMY
CAPACITY									
Max turning Ø	mm	260	280	500	500	480	480	500	480
Max workpiece length	mm	400	400	520	520	530	1020	1500	1500
Spindle bore	mm	60	60	87	87	87	87	87	87
Max bar Ø	mm	52	52	75	75	75	75	75	75
Chuck	in	8"	8"	10"	10"	10"	10"	10"	10"
SPINDLE									
Motor power	kW	11 / 15	11 / 15	15 / 18.5	15 / 18.5	15 / 18.5	15 / 18.5	15 / 18.5	15 / 18.5
Max speed	rpm	4,500	4,500	3,500	3,500	3,500	3,000	3,500	3,500
AXES									
X / Z travel	mm	220 / 450	200 / 500	280 / 630	280 / 630	280 / 630	280 / 1100	280 / 1600	280 / 1600
Rapid X / Z	m/min	24 / 24	24 / 24	24 / 24	24 / 24	24 / 24	24 / 24	24 / 24	24 / 24
TURRET									
Tool stations		8 / 12	8 / 12	8 / 12	8 / 12	8 / 12	8 / 12	8 / 12	8 / 12

S: sub-spindle ready. M: driven tools. Y: Y axis. L / F: extended bed.

Box way

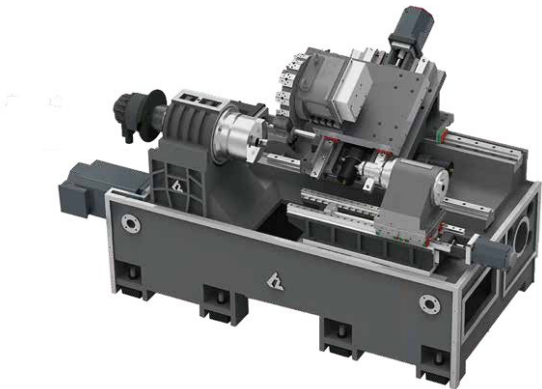
HL-CB270 / CB370 / CB5052 — box way

Specification	Unit	HL-CB270	HL-CB270L	HL-CB370	HL-CB370L	HL-CB5052
CAPACITY						
Max turning Ø	mm	300	300	450	450	280
Max workpiece length	mm	300	600	775	1275	750
Spindle bore	mm	67 / 79	67 / 79	90 / 102	90 / 102	61
Max bar Ø	mm	52	52	75	91	52
Chuck	in	8"	8"	10" / 12"	10" / 12"	8"
SPINDLE						
Motor power	kW	11	11	15 / 18.5	15 / 18.5	15 / 18.5
Max speed	rpm	3,500 / 4,000	3,500 / 4,000	3,200 / 3,000	3,200 / 3,000	3,500 / 4,000
AXES						
X / Z travel	mm	155+20 / 350	155+20 / 650	300 / 830	300 / 1330	270 / 610
Rapid X / Z	m/min	20 / 20	20 / 20	20 / 20	20 / 20	30 / 30
TURRET						
Tool stations		8 / 10 / 12	8 / 10 / 12	10 / 12	10 / 12	12

Large-spindle option gives the second bore figure. M: driven tools. L: extended bed.

HL-CB270M ... CB370LMY — box way, driven tools

Specification	Unit	CB270M	CB270LM	CB370M	CB370LM	CB270MY	CB370MY	CB370LMY
CAPACITY								
Max turning Ø	mm	250	250	400	400	250	400	400
Max workpiece length	mm	300	300	700	1200	300	700	1200
Spindle bore	mm	67 / 79	67 / 79	90 / 102	90 / 102	67 / 79	90 / 102	90 / 102
Max bar Ø	mm	52	52	75	75	52	75	75
Chuck	in	8"	8"	10" / 12"	10" / 12"	8"	10" / 12"	10" / 12"
SPINDLE								
Motor power	kW	11	11	15 / 18.5	15 / 18.5	11	15 / 18.5	15 / 18.5
Max speed	rpm	3,500 / 4,000	3,500 / 4,000	3,200 / 3,000	3,200 / 3,000	3,500 / 4,000	3,200 / 3,000	3,200 / 3,000
AXES								
X / Z travel	mm	155+20 / 350	155+20 / 350	300 / 830	300 / 830	155+20 / 350	300 / 830	300 / 830
Rapid X / Z	m/min	20 / 20	20 / 20	20 / 20	20 / 20	20 / 20	20 / 20	20 / 20
TURRET								
Tool stations		8 / 12	8 / 12	8 / 12	8 / 12	8 / 12	8 / 12	8 / 12



WHY A BOX WAY STILL WINS WORK

A linear rail is faster and cheaper to build. A box way has more contact area, so it damps better and takes an interrupted cut without complaining. On castings, forgings and anything with a scaly skin, that damping is the difference between a finish you can ship and one you re-machine.

The cost is rapid traverse: 20 m/min instead of 24, and more mass to move. That is the trade, and it is worth making only for the parts that need it.

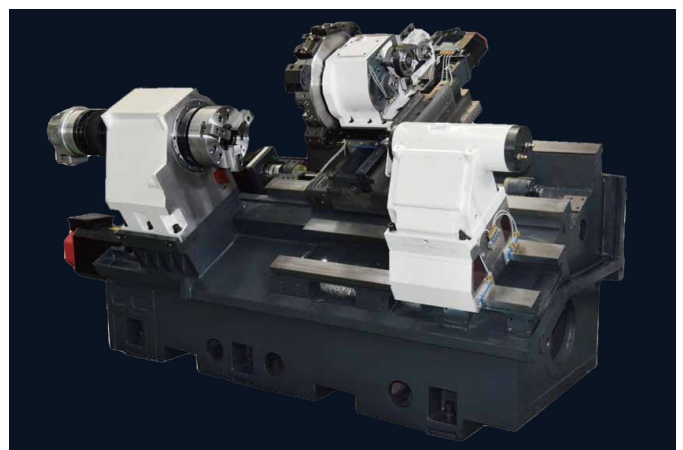
Large swing, disc and chuck work

HL-GXE560 / GXE600L / HL-1206 — large swing

Specification	Unit	HL-GXE560	HL-GXE600L	HL-1206
CAPACITY				
Max turning Ø	mm	560	420	450
Max workpiece length	mm	570	540	600
Spindle bore	mm	62	86	92
Max bar Ø	mm	52	75	75
Chuck	in	8"	10"	12"
SPINDLE				
Motor power	kW	11 / 15	15 / 18.5	15 / 18.5
Max speed	rpm	4,500	3,500	3,000
AXES				
X / Z travel	mm	190 / 610	230 / 590	225+35 / 600
Rapid X / Z	m/min	20 / 20	20 / 20	20 / 20
TURRET				
Tool stations		10	10	10 / 12

HL-CT51 / CT75 — disc and chuck work

Specification	Unit	HL-CT51	HL-CT75
CAPACITY			
Max turning Ø	mm	400 (disc)	400
Max workpiece length	mm	500	500
Spindle bore	mm	62	62
Max bar Ø	mm	50	70
Chuck	in	8" / 10"	10" / 12"
SPINDLE			
Motor power	kW	15	15
Max speed	rpm	4,500	3,200
AXES			
X / Z travel	mm	260 / 580	260 / 520
Rapid X / Z	m/min	30 / 30	30 / 30
TURRET			
Tool stations		8 / 12	8 / 12



Service and support

WITH THE MACHINE

- On-site installation, levelling and commissioning to verified accuracy
- Hands-on training for operators and programmers on the chosen control
- Genuine spare parts from the manufacturer
- Remote diagnostics and technical support

BEYOND THE MACHINE

- Chuck, collet and bar-feed selection for your part family
- Fixtures and tooling designed around your part
- Automated islands designed, built and commissioned

RECOGNITIONS

- CE certification
- National High-Tech Enterprise
- National Advanced Industrial Mother Machine Manufacturer
- Zhejiang Manufacturing "Pin" mark

BEFORE YOU COMMIT

Send a part drawing and we will turn that part on the actual machine, then ship you the part with its inspection report. You measure it on your own bench.

Customers are welcome to visit the plant and watch their machine run before it is shipped.

TO QUOTE YOU PROPERLY WE NEED

- Bar or chuck, and the diameter
- Whether the part needs driven tools, a Y axis or a sub-spindle
- Annual quantity and the cycle time you have to hit
- Which control your programmers already work on



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Specifications are for general information and may change without notice. Photographs may differ from the delivered configuration. The final specification is confirmed against your part drawing at quotation stage.