



- Turn-Milling Composite Machine Tools
- Sub-Spindle Turning Center
- High Quality CNC Lathe
- Automatic CNC Lathe



XINFA CNC LATHE

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FOCUS ON
HIGH QUALITY CNC LATHE

COMPANY PROFILES



20 years precipitation
 Japan's machine structure
 Reasonable configuration and accuracy
 Good production equipment
 Good testing equipment
 Good production environment

To ensure that the provision of competitive lathe, to meet the customer's maximum demand for metal turning. helping to Customers to create greater value.

20+ Expertise


 Land Area **20,000+**



Good production environment

Good Production And Testing Equipment



Spindle Dynamic Balance Instrument

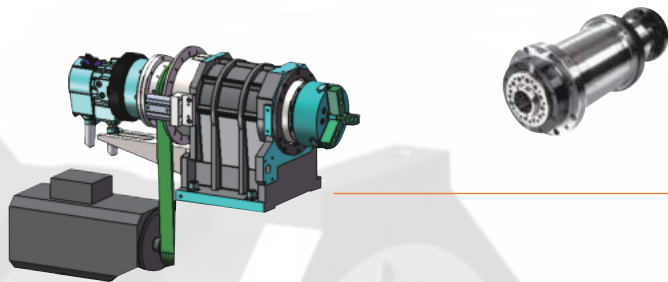


UK Renishaw Laser Interferometer

Precessing Part

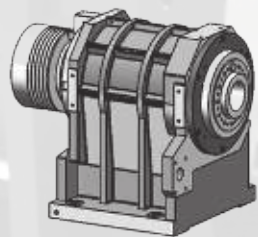


ADVANCED TURRET MACHINE TOOL STRUCTURE



Mechanical Spindle

Power is transmitted through w-belt, and the spindle structure design with high rigidity meets the requirements of axial and radial cutting loading.

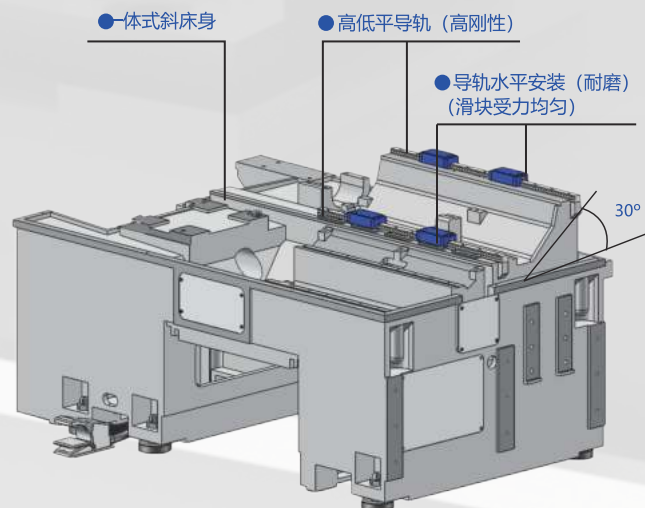
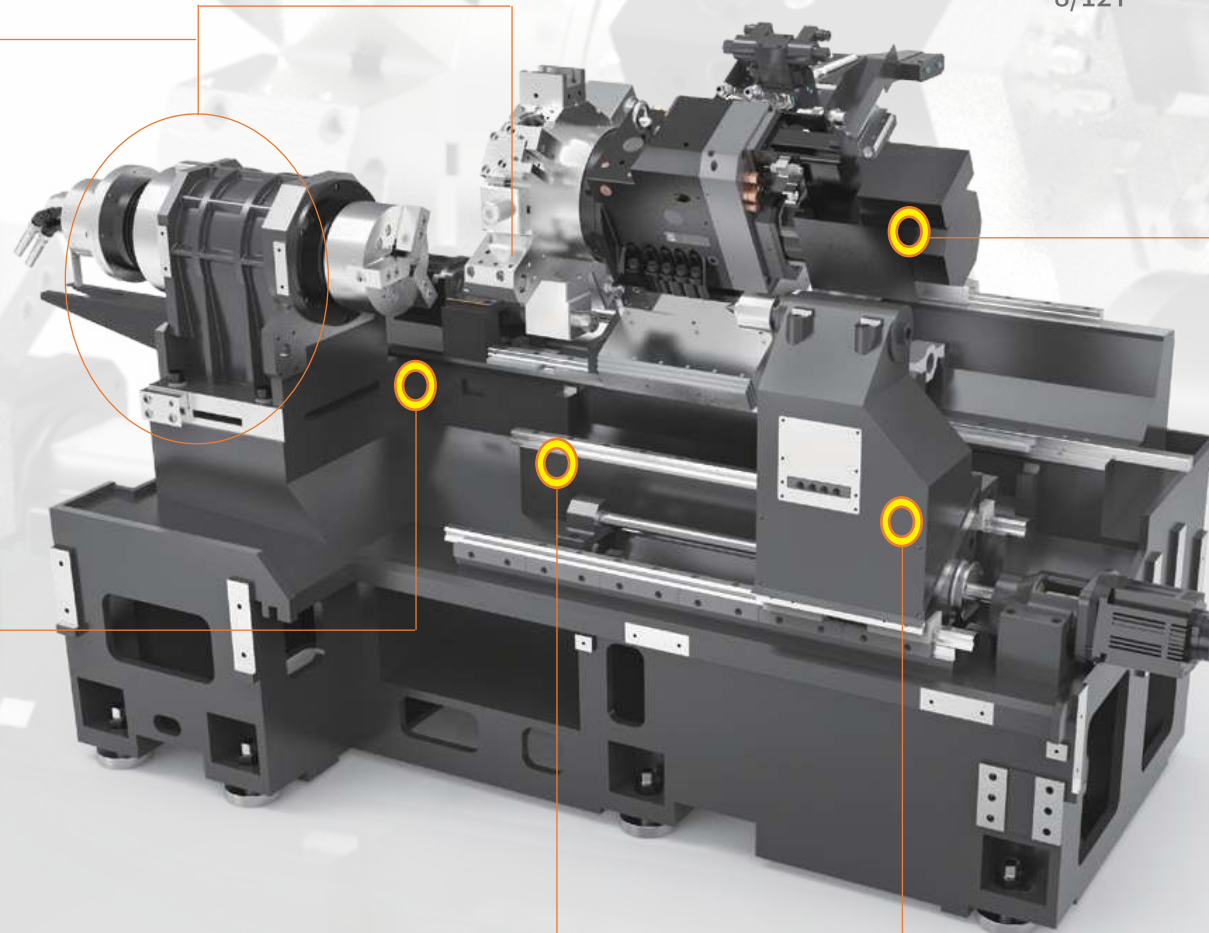


Option

Electro-Spindle

No belt drive, the motor has a built-in structure, compact structure, small vibration, high precision and smoother operation.

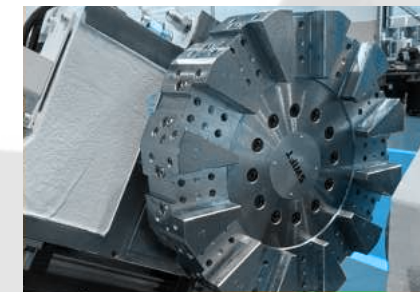
A2-5	MAX bar: $\phi 45$ mm	Power: 7.5/11Kw
A2-6	MAX bar: $\phi 51$ mm	Power: 11/15Kw
A2-8	MAX bar: $\phi 75$ mm	Power: 15/18Kw



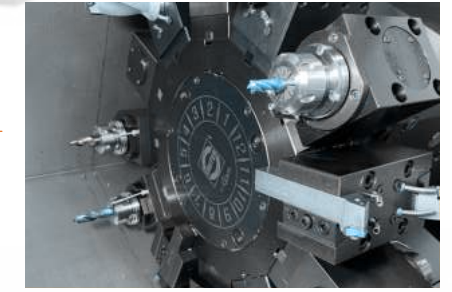
Icon bed

Features for High/Low Level Guide Rail Structure

- ① Horizontal installation for Z-direction guide rail with saddle weight and cutting force uniformly shared by four slide blocks, reducing wear for ball of slide blocks, extending service life of guide rail.
- ② High/Low level guide rail allows lathe bed to keep in a consistent status in the course of processing, assembling and using, ensuring precision of machine tool effectively.
- ③ Each machine tool reserves interface for truss automation, facilitating customers to install automation afterwards.



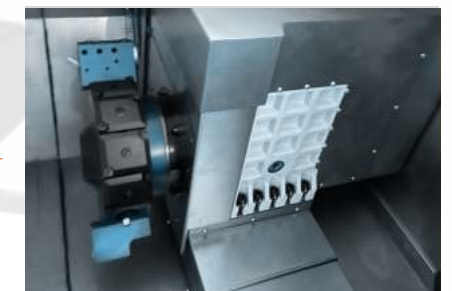
Servo turret
8/12T



Live turret 12T
BMT45/BMT55



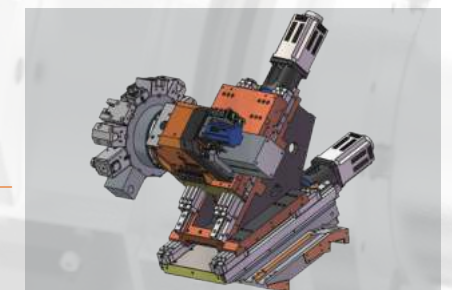
0° Driven toolholder



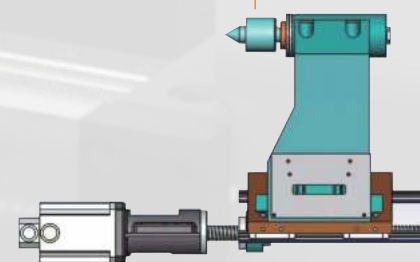
Live turret with Y Axis
BMT40 12T ± 35 mm



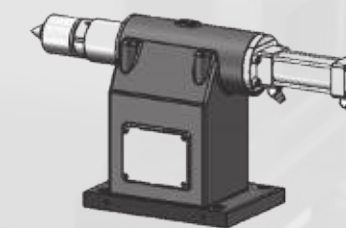
90° Driven toolholder



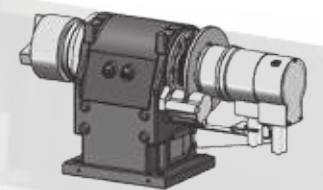
Live turret +Y Axis
BMT55 12T ± 50 mm



Servo Tailstock



Hydraulic Tailstock



Sub-Spindle

CNC LATHE SERIES
—Turret

GT45-300 / 45L-500
GT55-350 / 55L-630 / 55L-1000

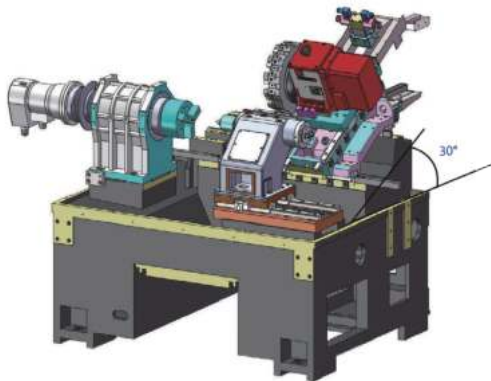


- High Cost Performance
- High Rigidity
- High Efficiency
- High Stability



GT45	SPINDLE	A2-5	MAX bar: $\phi 45$ mm	4000rpm	7.5kw
GT45L	OPTION	A2-6	MAX bar: $\phi 51$ mm	4000rpm	11kw
GT55	SPINDLE	A2-6	MAX bar: $\phi 51$ mm	4000rpm	11 kw
GT55L	OPTION	A2-8	MAX bar: $\phi 75$ mm	3500rpm	15kW

It also can be directly equipped with bar feeder and trussmanipulator to constitute automated production.

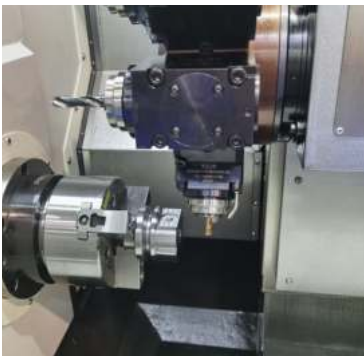


TECHNICAL PARAMETER

		GT45	GT45L	GT55	GT55L-630	GT55L-1000
Machining Rang	Maximum Rotating Diameter(mm)	$\Phi 450$	$\Phi 540$	$\Phi 550$	$\Phi 550$	$\Phi 550$
	Maximum Machining Diameter(mm)	$\Phi 300$	$\Phi 300$	$\Phi 380$	$\Phi 380$	$\Phi 380$
	Maximum Machining Length(mm)	300	480	320	600	950
Stroke	X-Axis Stroke(mm)	150+10	150+10	190+10	190+10	190+10
	Z-Axis Stroke(mm)	300	500	350	630	1000
	X-Axis Fast Displacement(m/min)	20	20	30	30	30
Precision	Z-Axis Fast Displacement(m/min)	24	24	30	30	30
	Positioning Accuracy(mm)	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005
	Repeated Positioning Accuracy(mm)	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003
Spindle	Spindle Bore(mm)	$\Phi 56$	$\Phi 56$	$\Phi 62$	$\Phi 62$	$\Phi 62$
	Maximum Diameter of Bar(mm)	$\Phi 45$	$\Phi 45$	$\Phi 51$	$\Phi 51$	$\Phi 51$
	Spindle Nose Specification	A2-5	A2-5	A2-6	A2-6	A2-6
	Maximum Revolving Speed of Spindle (rpm)	4000	4000	4000	4000	4000
	Chuck Specification	6"	6"	8"	8"	8"
Motor Power	Spindle (KW)(Continuous/30min)	7.5/11	7.5/11	11/15	11/15	11/15
	X-Axis(N.m)	8	8	11	11	11
	Z-Axis(N.m)	8	8	11	11	11
Turret	Turret Type	30°Servo	30°Servo	30°Servo	30°Servo	30°Servo
	Boring Tool Diameter(mm)	$\Phi 32$	$\Phi 32$	$\Phi 40$	$\Phi 40$	$\Phi 40$
Tailstock	Square Tool Diameter(mm)	$\square 25$	$\square 25$	$\square 25$	$\square 25$	$\square 25$
	Tailstock Type(OPTION)	Hydraulic	Servo/Hydraulic	Servo/Hydraulic	Servo/Hydraulic	Servo
	Tapered Hole Type	MT-4	MT-4	MT-4	MT-4	MT-4
Complete Machine	Overall Weight(Kg)	2800	3200	3600	4100	4700
	Length(mm)	2300	2480	2300	3000	3500
	Width(mm)(Water tank)	1650	1650	1800	1800	1900
	Height(mm)	1780	1780	1950	1950	1950

CNC TURN-MILLING
COMPOSITE MACHINE TOOL SERIES

GT45M-300 / 45LM-500
GT45LMY-500



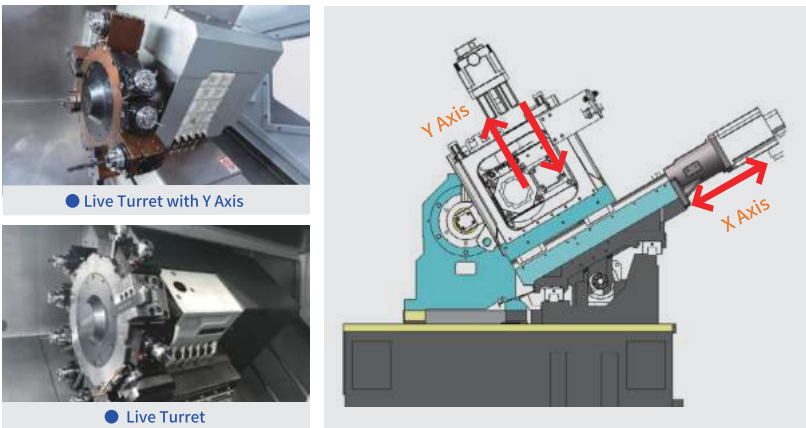


- High Cost Performance
- High Rigidity
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FEATURE

- Strong flexibility in processing, capable of one-time milling and turning, with low processing costs.
- It can be directly paired with bar feeders and truss robots to create an automated production line

GT45M	SPINDLE	A2-5	MAX bar: $\phi 45$ mm	4000rpm	7.5kw
GT45LM					
GT45LMY	OPTION	A2-6	MAX bar: $\phi 51$ mm	4000rpm	11kw



TECHNICAL PARAMETER

		GT45M-300 Live turret	GT45LM-500 Live turret	GT45LMY-500 Live turret with Y axis
Machining Rang	Maximum Rotating Diameter(mm)	$\Phi 450$	$\Phi 540$	$\Phi 540$
	Maximum Machining Diameter(mm)	$\Phi 280$	$\Phi 280$	$\Phi 260$
	Maximum Machining Length(mm)	195	370	320
Stroke	X-Axis Stroke(mm)	140+30	140+30	130+10
	Z-Axis Stroke(mm)	255	430	380
	Y-Axis Stroke(mm)	/	/	± 35
Precision	Positioning Accuracy(mm)	± 0.005	± 0.005	± 0.005
	Repeated Positioning Accuracy(mm)	± 0.003	± 0.003	± 0.003
Displacement Speed	X-Axis Fast Displacement(m/min)	20	20	20
	Z-Axis Fast Displacement(m/min)	24	24	24
	Y-Axis Fast Displacement(m/min)	/	/	24
Spindle	Spindle Bore(mm)	$\Phi 56$	$\Phi 56$	$\Phi 56$
	Maximum Diameter of Bar(mm)	$\Phi 45$	$\Phi 45$	$\Phi 45$
	Spindle Nose Specification	A2-5	A2-5	A2-5
	Maximum Revolving Speed of Spindle (rpm)	4000	4000	4000
	Chuck Specification	6"	6"	6"
Motor Power	Spindle (KW)(Continuous/30min)	7.5/11	7.5/11	7.5/11
	X-Axis(N.m)	8.34	8.34	8.34
	Z-Axis(N.m)	8.34	8.34	8.34
	Y-Axis(N.m)	/	/	8.34
Turret	Turret Type	30° Live turret	30° Live turret	30° Live turret with Y axis
	Boring Tool Diameter(mm)	$\Phi 25$	$\Phi 25$	$\Phi 25$
	Square Tool Diameter(mm)	$\square 20$	$\square 20$	$\square 20$
	Maximum Revolving Speed of electric tool (rpm)	4000	4000	4000
	Live tool motor(KW)	2.3	2.3	2.3
Tailstock	Tailstock Type(OPTION)	None	Servo/Hydraulic	Servo/Hydraulic
	Tapered Hole Type	MT-4	MT-4	MT-4
Complete Machine	Overall Weight(Kg)	3000	3400	3600
	Length(mm)	2300	2480	2480
	Width(mm)(Water tank)	1650	1650	1650
	Height(mm)	1780	1780	2050

CNC TURN-MILLING
COMPOSITE MACHINE TOOL SERIES

GT55LM-630
GT55LMY-630 / 55LMY-1000



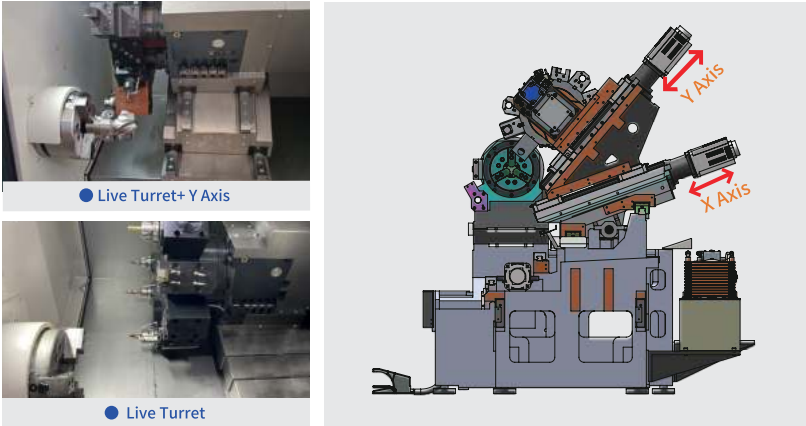


- High Cost Performance
- High Rigidity
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FEATURE

- Strong flexibility in processing, capable of one-time milling and turning, with low processing costs.
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GT55LM GT55LMY	SPINDLE	A2-6	MAX bar: $\phi 51$ mm	4000rpm	11kw
	OPTION	A2-8	MAX bar: $\phi 75$ mm	3500rpm	15kw



TECHNICAL PARAMETER

		GT55LM-630 Live turret	GT55LMY-630 Live turret + Y Axis	GT55LMY-1000 Live turret + Y Axis
Machining Rang	Maximum Rotating Diameter(mm)	$\Phi 550$	$\Phi 550$	$\Phi 550$
	Maximum Machining Diameter(mm)	$\Phi 380$	$\Phi 340$	$\Phi 340$
	Maximum Machining Length(mm)	485	415	790
Stroke	X-Axis Stroke(mm)	190+10	170+10	170+10
	Z-Axis Stroke(mm)	570	500	875
	Y-Axis Stroke(mm)	/	± 50	± 50
Precision	Positioning Accuracy(mm)	± 0.005	± 0.005	± 0.005
	Repeated Positioning Accuracy(mm)	± 0.003	± 0.003	± 0.003
Displacement Speed	X-Axis Fast Displacement(m/min)	30	30	30
	Z-Axis Fast Displacement(m/min)	30	30	30
	Y-Axis Fast Displacement(m/min)	/	12	12
Spindle	Spindle Bore(mm)	$\Phi 62$	$\Phi 62$	$\Phi 62$
	Maximum Diameter of Bar(mm)	$\Phi 51$	$\Phi 51$	$\Phi 51$
	Spindle Nose Specification	A2-6	A2-6	A2-6
	Maximum Revolving Speed of Spindle (rpm)	4000	4000	4000
	Chuck Specification	8"	8"	8"
Motor Power	Spindle (KW)(Continuous/30min)	11/15	11/15	11/15
	X-Axis(N.m)	11	11	11
	Z-Axis(N.m)	11	11	11
	Y-Axis(N.m)	/	11	11
Turret	Turret Type	30° Live turret	30° Live turret + Y axis	30° Live turret + Y axis
	Boring Tool Diameter(mm)	$\Phi 40$	$\Phi 40$	$\Phi 40$
	Square Tool Diameter(mm)	$\square 25$	$\square 25$	$\square 25$
	Maximum Revolving Speed of electric tool (rpm)	4000	4000	4000
	Live tool motor(KW)	3.1	3.1	3.1
Tailstock	Tailstock Type(OPTION)	Servo/Hydraulic	Servo/Hydraulic	Servo
	Tapered Hole Type	MT-4	MT-4	MT-4
Complete Machine	Overall Weight(Kg)	4300	4800	5800
	Lengh(mm)	3000	3000	3500
	Width(mm)(Water tank)	1800	1950	1950
	Height(mm)	1950	2150	2150

SUB-SPINDLE TURN-MILLING
COMPOSITE MACHINE TOOL SERIES

GT45LMS-500 / 55LMS-630
GT55LMSY-1000



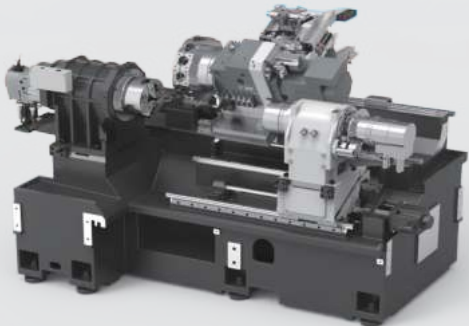


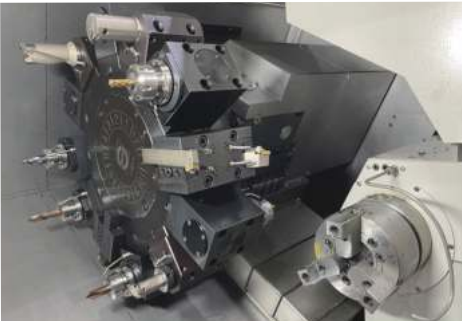
- High Cost Performance
- High Rigidity
- High Efficiency
- High Stability

FEATURE

- Strong flexibility in processing, capable of one-time milling and turning, with low processing costs.
- It can be directly paired with bar feeders and truss robots to create an automated production line

GT45LMS	SPINDLE	A2-5	MAX bar: φ45 mm	4000rpm	7.5kw
	OPTION	A2-6	MAX bar: φ51 mm	4000rpm	11kw
GT55LMS	SPINDLE	A2-6	MAX bar: φ51 mm	4000rpm	11 kw
GT55LMSY	OPTION	A2-8	MAX bar: φ75 mm	3500rpm	15kW





● Sub-Spindle + Live Turret



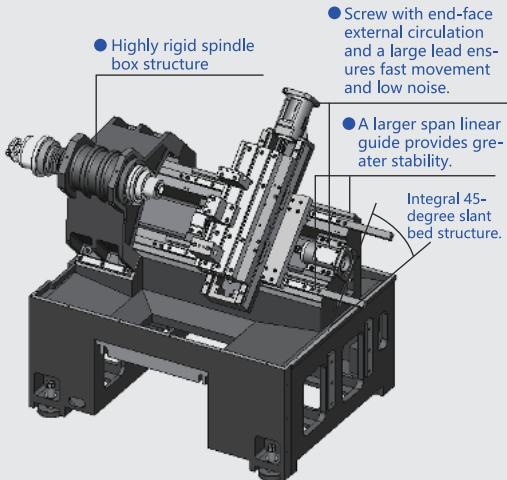
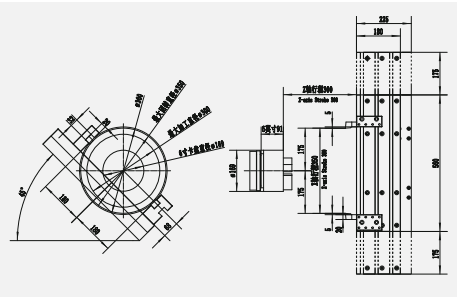
● Sub-Spindle + Live Turret+ Y Axis

TECHNICAL PARAMETER

		GT45LMS-500 Live turret +Sub-Spindle	GT55LMS-630 Live turret +Sub-Spindle	GT55LMSY-1000 Live turret+ Sub-Spindle+Y Axis
Machining Rang	Maximum Rotating Diameter(mm)	φ450	φ550	φ550
	Maximum Machining Diameter(mm)	φ300	φ360	φ360
	Maximum Machining Length(mm)	370	430	380
Stroke	X-Axis Stroke(mm)	125+20	180+30	180+30
	Z1-Axis Stroke(mm)	430	550	485
	Z2-Axis Stroke(mm)	400	540	540
	Y-Axis Stroke(mm)	/	/	± 50
Precision	Positioning Accuracy(mm)	±0.005	±0.005	±0.005
	Repeated Positioning Accuracy(mm)	±0.003	±0.003	±0.003
Displacement Speed	X-Axis Fast Displacement(m/min)	20	30	30
	Z-Axis Fast Displacement(m/min)	24	30	30
	Y-Axis Fast Displacement(m/min)	/	/	12
Main Spindle	Spindle Bore(mm)	φ56	φ62	φ62
	Maximum Diameter of Bar(mm)	φ45	φ51	φ51
	Spindle Nose Specification	A2-5	A2-6	A2-6
	Maximum Revolving Speed of Spindle (rpm)	4000	4000	4000
	Chuck Specification	6"	8"	8"
Sub-spindle	Spindle Bore(mm)	φ45	φ56	φ56
	Maximum Diameter of Bar(mm)	φ30	φ45	φ45
	Spindle Nose Specification	A2-4	A2-5	A2-5
	Maximum Revolving Speed of Spindle (rpm)	4500	4000	4000
	Chuck Specification	5"	6"	6"
Motor Power	Spindle (KW)(Continuous/30min)	7.5/11	11/15	11/15
	Sub-Spindle(Electrical)(KW)	5.5	7.5	7.5
	X-Axis(N.m)	8.34	11	11
	Z1-Axis(N.m)	8.34	11	11
	Z2-Axis(N.m)	8.34	11	/
	Y-Axis(N.m)	/	/	11
Turret	Turret Type	30° Live turret	30° Live turret	30° Live turret+ Y axis
	Boring Tool Diameter(mm)	φ25	φ40	φ40
	Square Tool Diameter(mm)	□20	□25	□25
	Maximum Revolving Speed of electric tool (rpm)	4000	4000	4000
	Live tool motor(KW)	2.3	3.1	3.1
Complete Machine	Overall Weight(Kg)	3800	4700	5800
	Lengh(mm)	2480	3000	3500
	Width(mm)	1650	1800	1950
	Height(mm)	1780	1950	2150

CNC LATHE SERIES
—GANG TOOL

GT40/ GT35



Feature of the slant bed structure:



- The use of a 45-degree integral slant bed structure, which facilitates workpiece loading and unloading as well as chip conveyor.
- The bed base, made of high-strength resin-bonded sand, is cast as one piece, enhancing the rigidity of the machine tool.
- Good lubrication structure design, resulting in an overall structure that is elegant and cost-effective.
- A volume-type lubricator ensures more precise and effective lubrication, reducing wear and tear.
- Provision of automation interfaces for easy integration with automated systems.



● Gang Tool + Turret



● Gang Tool + Turret+Power Head

AUTOMATIC CNC LATHE

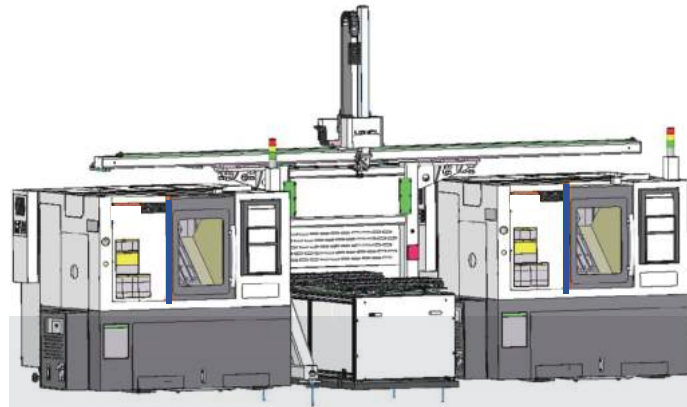
GT35-H



TECHNICAL PARAMETER

		GT40	GT35	GT30
Machining Rang	Maximum Rotating Diameter(mm)	Φ350	Φ350	Φ240
	Maximum Machining Diameter(mm)	Φ300	Φ280	Φ100
	Maximum Machining Length(mm)	280	240	240
Stroke	X-Axis Stroke(mm)	350	280	260
	Z-Axis Stroke(mm)	300	280	260
Precision	Positioning Accuracy(mm)	±0.005	±0.005	±0.005
	Repeated Positioning Accuracy(mm)	±0.003	±0.003	±0.003
Displacement Speed	X-Axis Fast Displacement(m/min)	20	20	20
	Z-Axis Fast Displacement(m/min))	24	24	24
Spindle	Spindle Bore(mm)	Φ56	Φ49	Φ40
	Maximum Diameter of Bar(mm)	Φ45	Φ35	Φ30
	Spindle Nose Specification	A2-5	A2-5	A2-4
	Maximum Revolving Speed of Spindle (rpm)	4000	4000	4000
Motor Power	Chuck Specification	6" Chuck / Collet	Collet	Collet
	Spindle (KW)(Continuous/30min)	5.5	3.7	2.2
	X-Axis(N.m)	6	6	4
Turret	Z-Axis(N.m)	6	6	4
	Turret Type	T-type Gang tool	T-type Gang tool	T-type Gang tool
	Boring Tool Diameter(mm)	Φ25	Φ25	Φ25
Tailstock	Square Tool Diameter(mm)	□20	□20	□20
	Tailstock Type	/	/	/
	Tapered Hole Type	/	/	/
Complete Machine	Overall Weight(Kg)	2000	1650	1200
	Lengh(mm)	2050	1950	1480
	Width(mm)(Water tank)	1450	1380	1200
	Height(mm)	1680	1680	1650

ATUOMATIC PRODUCT LINE



Automation Solutions

- Compact design delivery system provide unmanned production capacity with maximum work piece weight up to 3Kg or 5Kg.
- We are prepared to design customized according to customer product.



Features

- Automatic truss delivery system with 3 jaws clamping grapper and rotating cylinder.
- Optimized housing simplified equipment maintenance.
- Linear robot system with high speed& high precision gear & rack structure.
- Work piece measuring system & tool measuring system.(option)

Automatic truss delivery system optional for all GT series machine models
Developed automatic truss delivery system based on GT series, is specially designed for GT models.
We provide one-stop service of complete integrated system including turning center and automation system. Therefore, this helps maintain and operate the whole system easier.
Up to 3 or 5 Kg work piece loading capacity, faster, simpler to operator and more flexible.

ABUNDANT OPTIONS



Auto tool setter



Chip conveyor



Oil Skimmer



Steady Rest



Bar Feeder



Oil mist extractor



Built-in measuring Unit



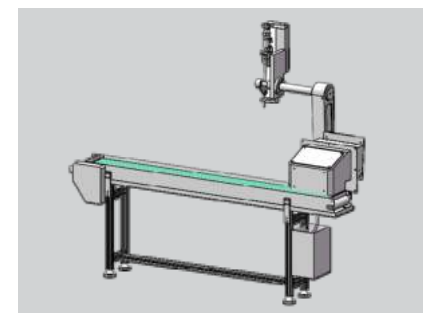
Conditioner for electrical cabinet



Transformer



Chuck air blow



Part catcher



The through-tool coolant



STROKE-RELATED DRAWING

