

| DUAL-SPINDLE GANG TOOL LATHE • DONE-IN-ONE TURNING

GT-DS2X

DUAL SPINDLE

TWIN SPINDLES. FRONT & BACK IN ONE CYCLE.

High-efficiency, twin-spindle CNC turning with independent sliding headstocks. Purpose-built to eliminate secondary operations on parts up to 2" (52 mm) diameter — powered by the advanced 10-axis, dual-channel GSK 988TD CNC control.



1516 E. Edinger Ave. B, Santa Ana, CA 92705
Phone: (949) 359-3434 | www.cncnew.com

10-Axis

GSK 988TD CONTROL

2.0in

BAR CAPACITY

±.0001in

REPEATABILITY

PRECISION & PERFORMANCE

ENGINEERED FOR DONE-IN-ONE SPEED.

SIMULTANEOUS MACHINING

Twin independently programmable gang tool slides paired with programmable Z-axis sliding headstocks allow simultaneous OD/ID cutting and back-working on both spindles.

45° SLANT BED CASTING

A single-piece heavy cast-iron base with a 14" rail span dampens vibration during aggressive cuts — extreme rigidity and thermal stability.

TWIN 10 HP SPINDLES

Opposed A2-5 integral spindles run up to 4,500 RPM with hydraulic collet closers and full C-axis orientation down to 0.001° indexing.

GSK 988TD CONTROL

Dual-channel control supporting up to 10 axes and 4 spindles, built on an ARM+DSP dual-core architecture with high-speed GSK-Link bus communication.



CNC NEW
GANG TOOL LATHES · SINCE 1991

TRUSTED SUPPORT

FROM CNC NEW, INC.

Southern California—assembled machine tool experts.

- ✓ **30+ Years of Expertise.** The industry's leading specialist in high-production gang tool lathes and turning centers.
- ✓ **Maximized Uptime.** Rapid-ship replacement parts and factory engineering support keep your machines running.
- ✓ **Lifetime Local Support.** Direct sales, applications, service, and repairs backed by our Southern California headquarters.

We build, service, and support these machines for the long haul.

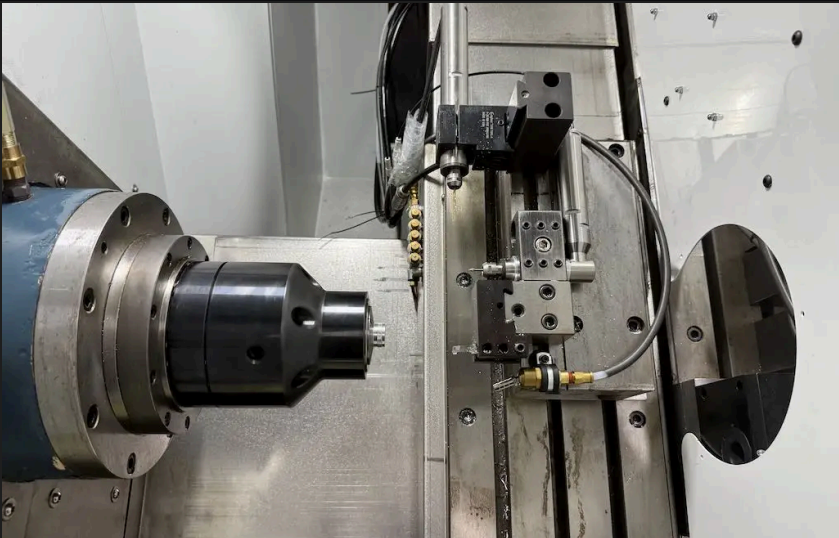
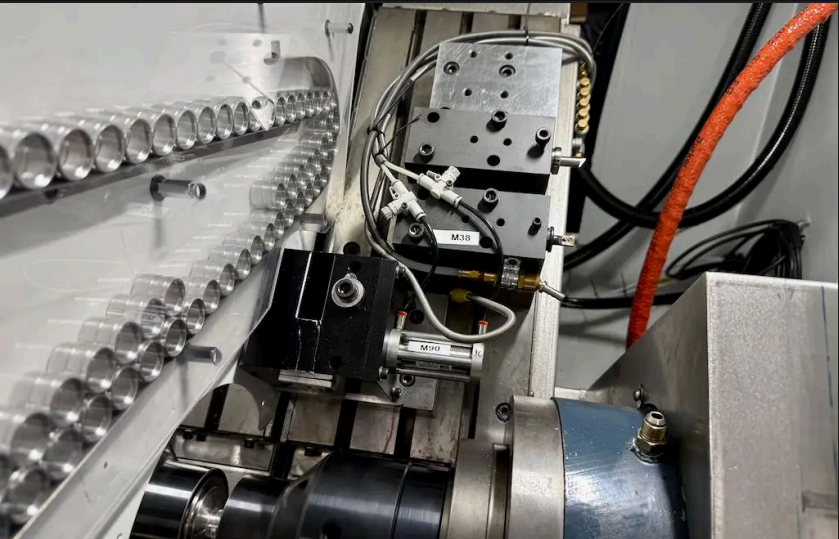
► QUICK SPECIFICATIONS AT A GLANCE

10-AXIS DUAL SPINDLE.

Done-in-One Turning: The GT-DS2X turns, bores, mills, and threads both sides of parts up to 2" diameter in one continuous cycle — anchored by a single-piece 45° slant casting that delivers ±0.0001" repeatability.

CNC Control	GSK 988TD · 10-Axis Dual-Channel
Bar Capacity	2" (52 mm) · A2-5 Nose
Spindle Drive	Twin 10 HP · C-Axis
Spindle Speed	4,500 RPM
Rapid Traverse	945 in/min · 24 m/min
Footprint	106" × 65" × 74"

GT-DS2X GALLERY



▶ DONE-IN-ONE DUAL-SPINDLE TURNING

GT-DS2X FRONT & BACK.

The part is machined on the front side in the first spindle, handed off, and finished on the back side in the second spindle — a part that would normally need two setups or a second machine comes off complete in one cycle.



GT-DS2X

PRODUCTION ADVANTAGES

- Front & back finished in one cycle
- Simultaneous OD/ID cutting & back-working
- Optional axial, radial & Y-axis live tooling
- Lights-out ready with bar feeders & robots

GT-DS2X

TWIN SPINDLE SPECS

Spindle Nose	A2-5 · Both Spindles
Bar Capacity	2 in · 52 mm
Max. Spindle Speed	4,500 RPM
Spindle Motor	10 HP · 7.5 kW

► FULL SPECIFICATIONS

GT-DS2X SPECIFICATIONS.

SPECIFICATION	STANDARD / S.A.E.	METRIC
CAPACITIES		
Max. Turning Over Carriage	7 in	180 mm
Max. Swing Over Bed	19.6 in	500 mm
Max. Turning Length Between Spindles	29.5 in	750 mm
Bed Tilting Angle	45°	45°
DUAL SPINDLES		
Spindle Nose	A2-5	A2-5
Spindle Chuck	6 in	154.4 mm
Spindle Bore	2.2 in	56 mm
Bar Capacity	2 in	52 mm
Max. Spindle Speed	4,500 RPM	4,500 RPM
Collet Closer	Hydraulic Actuator	
Spindle Type	Integral, 10 HP	7.5 kW
TRAVELS & FEED RATES		
X1 / X2 Travel	20.4 in	520 mm
Z1 / Z2 Travel	15.7 in	400 mm
Rapid Traverse X & Z	945 in/min	24 m/min
Max. Axis Feed Rate	400 in/min	10.15 m/min

SPECIFICATION	STANDARD / S.A.E.	METRIC
BASE & STRUCTURE		
Integral Casting	One-Piece	45° Slant
Rail Span	14 in	362 mm
PRECISION		
Positional Repeatability	±0.0001 in	±0.00254 mm
Positional Accuracy	±0.0001 in	±0.00254 mm
Positional Resolution	±0.00005 in	±0.00127 mm
Spindle Runout	0.00005 in	0.00127 mm
C-Axis Indexing	0.001° Increment	360,000 Positions
COOLANT & POWER		
Coolant Capacity	26 gallons	100 Liters
Power Required	20 kVA · 208–240 VAC 3-Phase	
MACHINE DIMENSIONS		
Machine Height	74 in	1,890 mm
Sheet Metal Length	106 in	2,700 mm
Sheet Metal Width	65 in	1,670 mm
Machine Weight	7,500 lbs	3,400 kgs

► VERSATILITY & AUTOMATION

CONFIGURE FOR HANDS-FREE PRODUCTION.

AUTOMATION-READY

TURNKEY AUTOMATION CELLS

Quote the GT-DS2X with a vibratory bowl feeder, robotic arm loader, or bar feed system. Both sides are finished in the machine, so automating the load runs complete parts lights-out.

CNC NEW 320 12-FT BAR FEEDER

Pair the 2" bar capacity with our dedicated 12-foot bar feed system for high-volume, continuous production and maximum lights-out capability.

CHIP CONVEYORS & PART CATCHERS

Side- or rear-mount chip conveyors prevent thermal buildup during 24/7 runs, while part catchers protect delicate finished components.

WORKHOLDING & TOOLING

- **Collet & Chuck:** A2-5 noses on both spindles, 6" chuck, hydraulic collet closer.
- **Dual Gang Slides:** One per spindle — front and back operations tooled separately.
- **Live Tooling:** Servo-driven axial, radial, or Y-axis modules.

GSK 988TD CONTROL HIGHLIGHTS

- **Control:** Up to 10 axes and 4 spindles, dual-channel.
- **Architecture:** ARM+DSP dual-core with high-speed GSK-Link bus.
- **Programming:** Industry-standard G-code · custom Fusion 360 post-processors.

I ADVANCED MACHINING

DRIVEN TOOL MODULARITY.

Optional servo-driven axial, radial, and Y-axis modules plus gear-hobbing attachments. With 0.001° C-axis indexing, the GT-DS2X mills, drills, bores, broaches, hobs, and taps in the same cycle as the turning work.

► THE RESULT

Cut cycle times by eliminating secondary operations — complete parts off one machine, in one continuous cycle.

► WARRANTY & SUPPORT

IRON-CLAD WARRANTY & SUPPORT.

Your production doesn't stop, and neither do we. Every GT-DS2X is backed by our comprehensive warranty and supported directly from our Santa Ana, California headquarters — no overseas time zones, no outsourced call centers.

- **1-Year Mechanical Warranty:** Coverage on all mechanical components — both spindles, sliding headstocks, gang slides, ball screws, and linear rails.
- **2-Year Electrical Warranty:** Industry-leading protection on all drives, motors, cables, and controls.
- **Extended Warranty Available:** Custom extended warranties upon request.
- **OEM Control Warranty:** Global coverage directly from GSK on the 988TD control.
- **Direct U.S.-Based Support:** Speak directly to the engineers who build, integrate, and program these machines.
- **Massive On-Site Inventory:** Spare parts, precision ball screws, and electronics ready for immediate dispatch.
- **Remote Diagnostics:** Techs troubleshoot, optimize cycle times, and resolve programming issues remotely.

"Purchasing a machine from an importer often means you are on your own after the sale. We have over 30 years of PLC development and CNC integration experience under one roof. We build them. We warrant them. We support them for life."



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