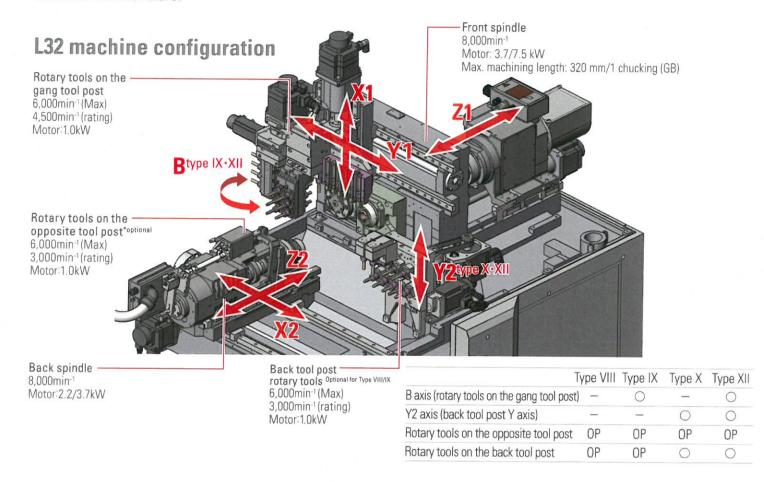
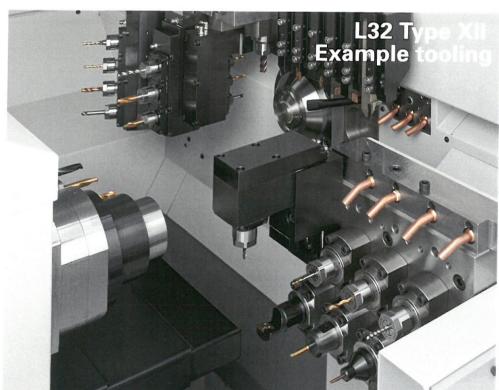
The new L32 - an 'icon' reinvented

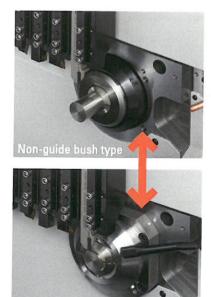
With a legacy as one of the best-selling Cincom machines, the next-generation L32 is launched with 4 models in modular design.

Ranging from a 5-axis machine with excellent cost performance to a high-end machine equipped with B axis and back tool post Y axis, you can select the machine according to the functions you require.

A wide range of modular tooling ensures that the new L32 is both versatile and flexible to meet your production demands into the future.







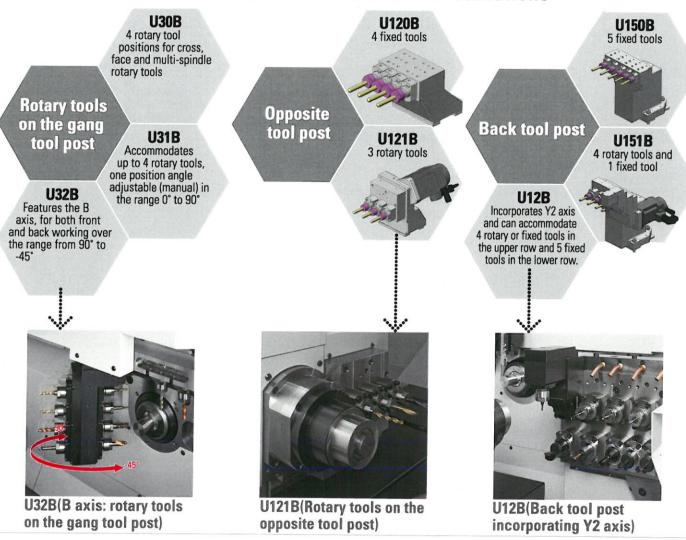
Switchable between guide bush mode or non-guide bush mode

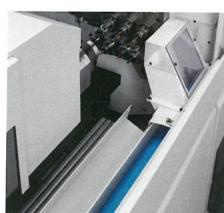
Can be switched by operator in about 30 mins

Stable, powerful, and highly productive with versatility of modular design

With the current shift in manufacturing industry, the requirement is for variable-lot machining of diverse workpiece shapes and sizes. In order to meet this requirement, Citizen has introduced modular design to the new L32 thus enabling our customers to optimize their manufacturing by selecting the functions to achieve the ideal machine configuration for their need.

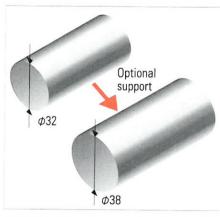
Function modules that can be combined without restrictions





Workpiece conveyor equipped as standard

Discharge of workpieces is to the left front of the machine.



 ϕ 32mm max. bar as standard; ϕ 38 mm as option

Supply of bar stock up to ϕ 38 mm is supported as an option. The machining length per chucking is 320 mm in both capacities. A wide range of workpieces can be machined.



Extra-wide cover for operator convenience

The operator door can be flipped up to provide access to the interior of the machining area through a very large opening, allowing comfortable and easy access for tool setting and other adjustments.

Machine Specification

tem	L32			
	Type VIII	Type IX	Type X	(L32-1M12)
	(L32-1M8)	(L32-1M9)	(L32-1M10)	(L32-11V112
Max. machining diameter (D)	ø32mm (ø38mm	OP)		
Aax. machining length (L)	GB:320mm/1chucking GBL:2.5D			
Aax, front drilling diameter	g12mm			
Aax. front tapping diameter	M12			
Spindle through-hole diameter	ø39mm			
Main spindle speed	Max.8,000min-			
Max. chuck diameter of the back spindle	ø32mm			
Max. protrusion length of the back spindle workpiece	80mm		65mm	
Max. protrusion length	150mm		140mm	
Max. protrusion length Max. drilling diameter for the back spindle	ø10mm			
Max. tapping diameter for the back spindle	M10			
	Max.8,000min-	1		
Back spindle speed				
Gang rotary tool	ø10mm			
Max. drilling diameter	M8			
Max. tapping diameter	Max.6,000min ⁻¹ (Rating:4,500min ⁻¹)			
Spindle speed				
Back tool post rotary tool *1	ø8mm			
Max. drilling diameter	M6			
Max. tapping diameter		1 (Rating:3,000mir	1-1)	
Spindle speed	Way.o,oodiiiii	, J		
Front rotary tool *2	ø8mm			
Max. drilling diameter	M6			
Max. tapping diameter		1 (Rating: 3,000mir	n ⁻¹)	
Spindle speed	19~30	26~36	24~44	30~40
Number of tools to be mounted max	6	6	6	6
Gang turning tool	4~6	7~11	5~13	7~11
Gang rotary tool	4~9	4~14	4~16	4~9
Front drilling tool	5~11	9~15	9~20	13~19
Back drilling tool	3-11	1 3 10		
Tool size	□16×130mm			
Gang turning tool	ø25.4mm			
Sleeve	923.4HIIII			
Chuck and bushing	FC001 NA/FC26	51-M:ø38 spec.)		
Main spindle collet chuck		51-M:ø38 spec.)		
Back spindle collet chuck		1-141.BOO apoo.1		
Rotary tool collet chuck	ER11, ER16			
Chuck for drill sleeves	ER11, ER16	81-M:ø38 spec.)		
Guide bushing	FG531-W (FG5	o (-IVI-BOO spec.)		
Rapid feed rate	00 (in			
All axes (except Y2)	32m/min		24m/min	
Y2 axis			1 Zanymin	
Motors				
Spindle drive	3.7/7.5kW			
Gang tool post rotary tool drive	1.0kW			
Back spindle drive	2.2/3.7kW			
Back tool post rotary tool drive *1	1.0kW			
Front rotary tool drive *2	1.0kW			
Coolant oil	0.4kW			
Lubricating oil	0.003kW			
Center height	1,050mm			
Rated power consumption	13.2KVA			
Full-load current	36A			
Main breaker canacity	60A			
Air pressure and air flow rate for pneumatic devices	0.5MPa, 64.	ZNL	1 0 00014	
Weight	2,850kg		2,900kg	
*1 Type VIII, Type IX back tool post rotary tool is optional				

ard accessories
spindle chucking unit
pindle chucking unit
otary tool driving unit
nt unit (with level detector)
ing oil supply unit (with level detector
ne relocation detector
ock

Cut-off tool breakage detector Workpiece separator Lighting Rotary guide bushing drive unit Main spindle coolant unit Back tool post rotary unit "Me XXII

Special accessories Rotary guide bushing unit Knock-out jig for through-hole workpiece Chip conveyor Medium-pressure coolant unit Coolant flow rate detector

Back rotary tool unit *type VIILIX Signal lamp 3-color signal tower Front rotary tool unit

CINCOM SYSTEM M70LPC-VU (Mitsubishi) 8.4 inch color LCD USB slot Program storage capacity : 40m (approx. 16KB)
Tool offset pairs : 40 Product counter indication (up to 8 digits)

Operating time display function
Machine operation information display
B axis control function

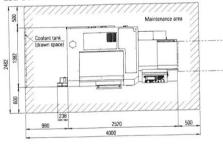
Back spindle chasing function

Synch tapping phasing function Interference check function Spindle speed change detector
Constant surface speed control function
Automatic power-off function Main spindle indexing at 1° intervals On-machine program check function Nose radius compensation

Special NC functions
Variable lead thread cutting
Arc threading function
Chamfering, corner R
Geometric function
Multiple repetitive cycle for tu Multiple repetitive cycle for turning Spindle synchronized function Spindle C-axis function
Milling interpolation
Back spindle 1°indexing function Back spindle C-axis function Canned cycle drilling

Tool offset pairs: 80
Back machining program skip function
Tool life management I
Tool life management II
Program storage capacity 600m (approx. 240KB)
External memory program driving
Submicron commands User macros Helical internolation function Slant helical interpolation function Hob function Polygon function Inch command Sub inch command Network I/O function

Rigid tapping function
High speed Rigid tapping function
Differential speed rotary tool function
Optional block skip (9 sets) L32 Standard machine



Environmental Information

Heldy goode	Power supply voltage	AC200V		
Basic Information Energy usage	Electrical power requirement (Max)	13.2kVA		
	Required pneumatic pressure	0.5MPa		
Environmental Power consumption Performance Information Air consumption	Standby power *1	rted to a CO2 value ** 6.3g/cycle		
	Power consumption with model workpiece *2*3			
	Power consumption value above converted to a CO2 value *4			
		45NL/min (max.182 NL/min., during air blow)		
		1.5cc/60min		
		78.5dB		
		Compliant		
		Covered in the instruction manual *5		
Environmental Issues Recycling Indication of the Historian Heritage Environmental management		We are ISO14001 accredited. We pursue "Green Procurement", whereby we make our purchases while prioritizing goods and services that show consideration for the environment.		
Ai L R Ei	r consumption ubricant consumption oise level nvironmental load reduction ecycling nvironmental management	Standby power *1 Power consumption with model workpiece *2*3 Power consumption value above converted to a CO2 value *4 r consumption Required air flow rate ubricant consumption At power ON poise level Value measured based on JIS nvironmental load reduction RoHS Directive / REACH regulations ecycling Indication of the material names of plastic parts		

CITIZEN

CITIZEN MACCHINE ITALIA s.r.l.

Società del Gruppo Citizen Machinery Co., Ltd Sede: Via Marconi, 47 • 24040 Comun Nuovo (BG) ITALY

TEL. + 39 035 877 738 • info@citizenmacchineitalia.it • www.citizenmacchineitalia.it

Cincom

L32

Sliding Headstock Type CNC Automatic Lathe

