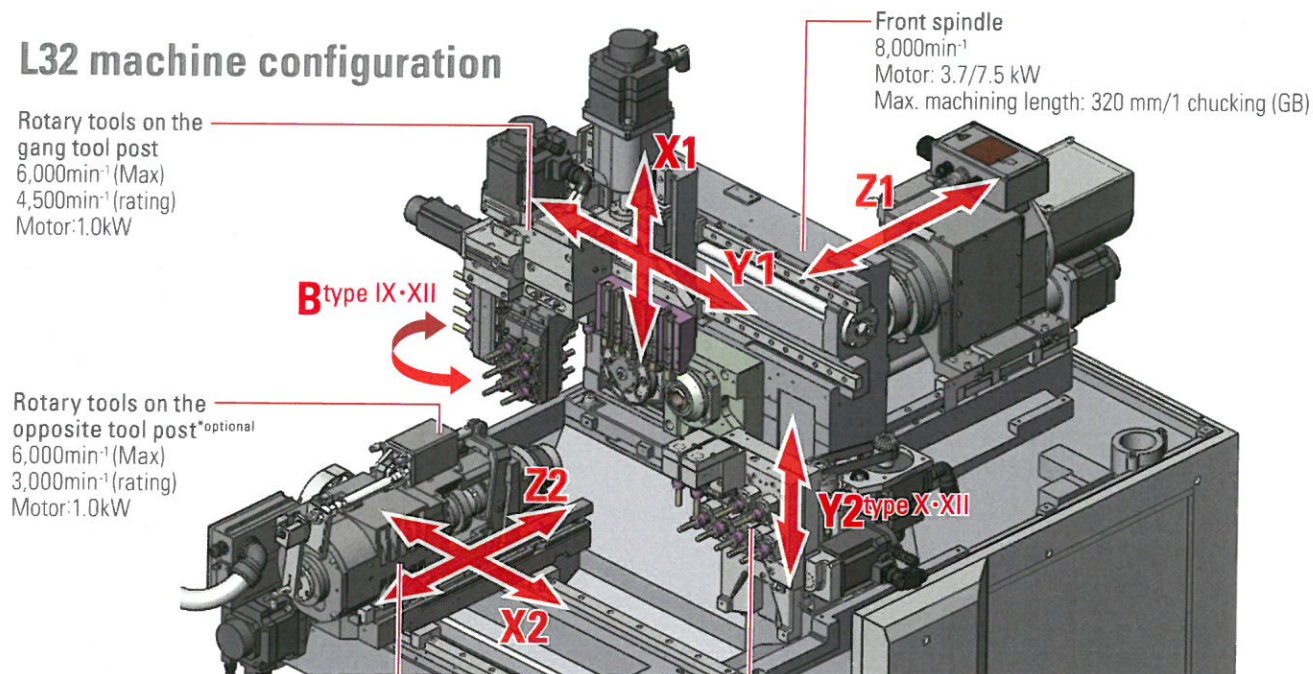


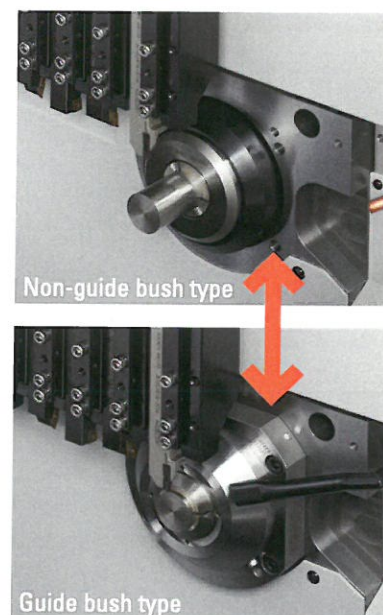
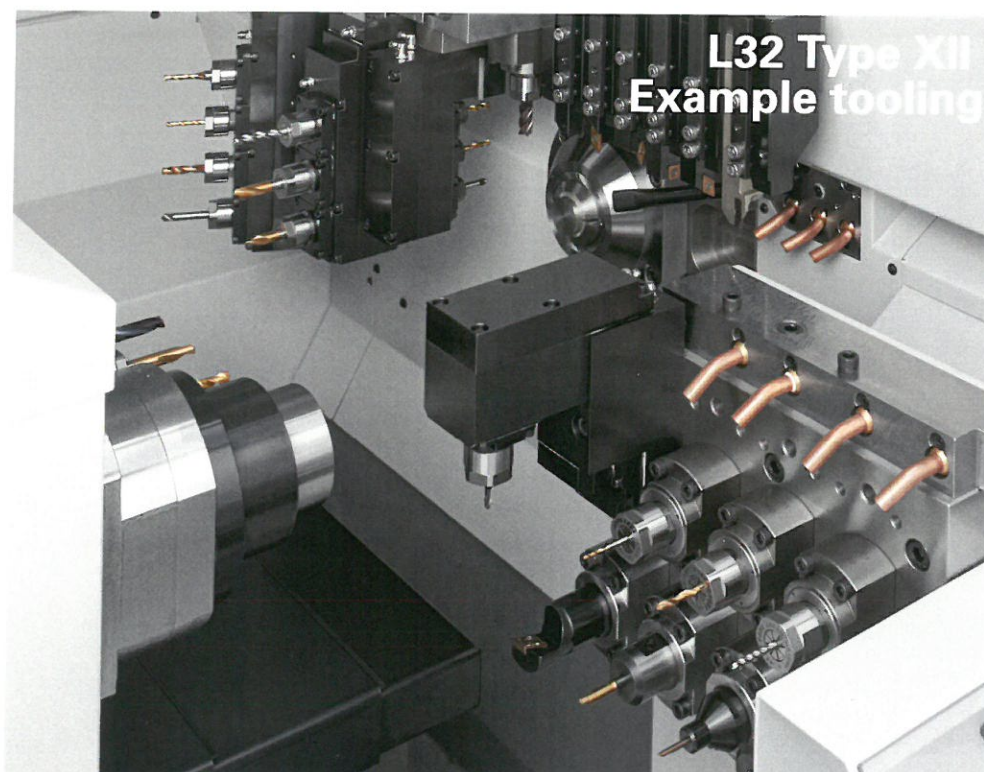
# The new L32 - an 'icon' reinvented

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.

## L32 machine configuration



	Type VIII	Type IX	Type X	Type XII
B axis (rotary tools on the gang tool post)	—	○	—	○
Y2 axis (back tool post Y axis)	—	—	○	○
Rotary tools on the opposite tool post	OP	OP	OP	OP
Rotary tools on the back tool post	OP	OP	○	○

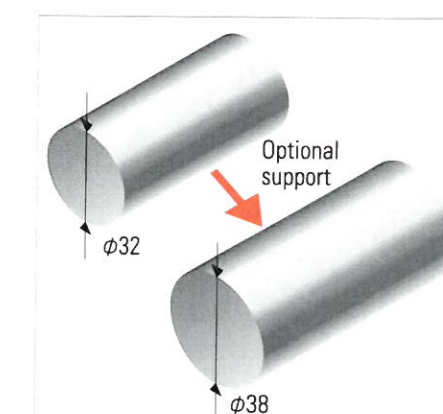
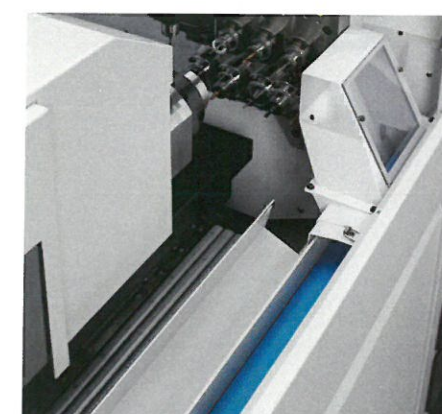
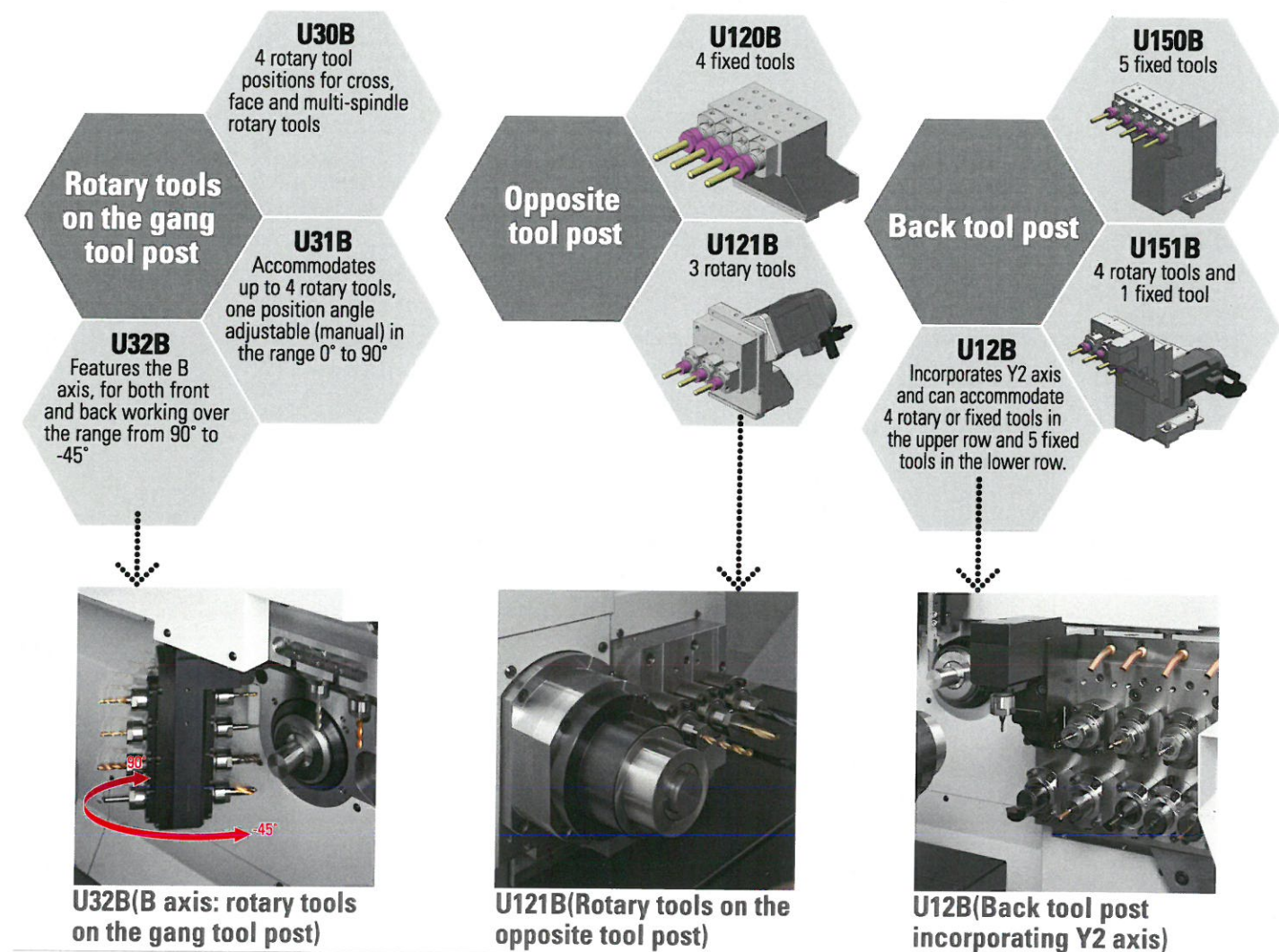


**Switchable between guide bush mode or non-guide bush mode**  
Can be switched by operator in about 30 mins.

## 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



**φ32mm max. bar as standard; φ38 mm as option**  
Supply of bar stock up to φ38 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.





Machine Specification

	L32			
	Type VII (L32-1M8)	Type IX (L32-1M9)	Type X (L32-1M10)	Type XII (L32-1M12)
Max. machining diameter (D)	ø32mm (ø38mm*)			
Max. machining length (L)	GB:320mm/1chucking GBL:2.5D			
Max. front drilling diameter	ø12mm			
Max. front tapping diameter	M12			
Spindle through-hole diameter	ø39mm			
Main spindle speed	Max.8,000min <sup>-1</sup>			
Max. chuck diameter of the back spindle	ø32mm			
Max. protrusion length of the back spindle workpiece	80mm		65mm	
Max. protrusion length	150mm		140mm	
Max. drilling diameter for the back spindle	ø10mm			
Max. tapping diameter for the back spindle	M10			
Back spindle speed	Max.8,000min <sup>-1</sup>			
Gang rotary tool	ø10mm			
Max. drilling diameter	M8			
Max. tapping diameter	Max.6,000min <sup>-1</sup> (Rating:4,500min <sup>-1</sup> )			
Spindle speed				
Back tool post rotary tool **1	ø8mm			
Max. drilling diameter	M6			
Max. tapping diameter	Max.6,000min <sup>-1</sup> (Rating:3,000min <sup>-1</sup> )			
Spindle speed				
Front rotary tool **2	ø8mm			
Max. drilling diameter	M6			
Max. tapping diameter	Max.6,000min <sup>-1</sup> (Rating:3,000min <sup>-1</sup> )			
Spindle speed				
Number of tools to be mounted max	19~30	26~36	24~44	30~40
Gang turning tool	6	6	6	6
Gang rotary tool	4~6	7~11	5~13	7~11
Front drilling tool	4~9	4~14	4~16	4~9
Back drilling tool	5~11	9~15	9~20	13~19
Tool size				
Gang turning tool	□16×130mm			
Sleeve	ø25.4mm			
Chuck and bushing				
Main spindle collet chuck	FC081-M (FC251-M:ø38 spec.)			
Back spindle collet chuck	FC081-M (FC251-M:ø38 spec.)			
Rotary tool collet chuck	ER11, ER16			
Chuck for drill sleeves	ER11, ER16			
Guide bushing	FG531-M (FG581-M:ø38 spec.)			
Rapid feed rate	32m/min			
All axes (except Y2)	—			
Y2 axis	24m/min			
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 capacity	60A			
Air pressure and air flow rate for pneumatic devices	0.5MPa, 64.2NL			
Weight	2,850kg		2,900kg	

\*1 Type VIII, Type IX back tool post rotary tool is optional  
\*2 Front rotary tool drive unit is optional

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\*2 Front rotry tool drive unit is optional

Environmental Information

Basic Information	Energy usage	Power supply voltage	AC200V
		Electrical power requirement (Max)	13.2kVA
Environmental Performance Information	Power consumption	Required pneumatic pressure	0.5MPa
		Standby power *1	0.320kW
		Power consumption with model workpiece **3	0.0133kWh/cycle
		Power consumption value above converted to a CO2 value **4	6.3g/cycle
	Air consumption	Required air flow rate	45NL/min (max.182 NL/min., during air blow)
		At power ON	1.5cc/60min
Approach to Environmental Issues	Noise level	Value measured based on JIS	78.5dB
		Compliant	
	Environmental load reduction	RoHS Directive / REACH regulations	Compliant
		Indication of the material names of plastic parts	Covered in the instruction manual *5
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.	

\*1 : This is the standby power in the idle stop mode (a function that turns servomotor excitation off when it is not necessary, for example during program editing).  
\*2 : This is the power consumption in program operation (when not cutting) for one of our standard test pieces, shown for the purpose of comparing the environmental performance with that of existing models.  
\*3 : The average cycle time is 55 sec with the standard test workpiece of our company .  
\*4 : This is the value converted in accordance with the CHUBU Electric Power CO2 emissions coefficient for 2009 as published by the Ministry of the Environment.  
\*5 : If polyvinyl chloride (PVC) and fluorine resin are not processed correctly they can generate harmful gases. When recycling these materials, commission a contractor that is capable of processing them appropriately.

CITIZEN

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Cincom

L32

Sliding Headstock Type CNC Automatic Lathe

