



# LB2000EX III (MYW specs)

Turning Center with Sub-spindle

**Long-selling brand  
that is loved and evolving**

Released in 2007  
More than  
**19,000** units  
were sold in total  
in the series

**A highly rigid machine with  
advanced machining capabilities**

**A wide variety of models and options are available  
for diverse machining and automation needs**

**Achievement of high accuracy and high productivity  
with emissions reduction and energy saving**



- Structure: Uses highly rigid slide guideways.
- Feed axes: X-axis and Y-axis rapid traverse has been improved. 30 m/min for the X-axis, 15 m/min for the Y-axis
- Accuracy: C-axis indexing positioning accuracy has been improved. 20 seconds or less using the ISO230-2 measuring method
- Diverse variations: L, M, MY, W, MW, MYW specs
- Electrification-compatible: Automatic open/close door on the front (option), NC command for chuck clamp pressure (option)
- Thermo-Friendly Concept: The Okuma Intelligent Technology that enables machines to autonomously maintain high accuracy stability
- ECO suite plus: A system for an energy-saving society

**OPEN POSSIBILITIES**

**OKUMA**

# Everything from turning to milling with process integration and two-sided machining, all in one machine.

## The LB2000 EX III Turning Center with Sub-spindle (MYW specs)

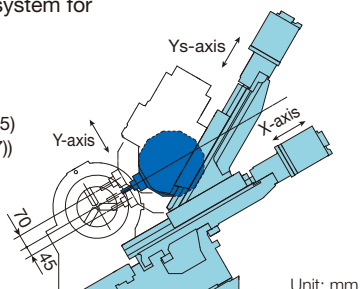
### Machine features

#### Y-axis functionality for more flexible milling

Highly accurate, wide-range Y-axis travel is achieved using the double slide system for both the X-axis and Ys-axis.

#### Y-axis travel

**MYW specs** **115 mm** (+70 to -45)  
(**4.53 in** (+2.76 to -1.77))

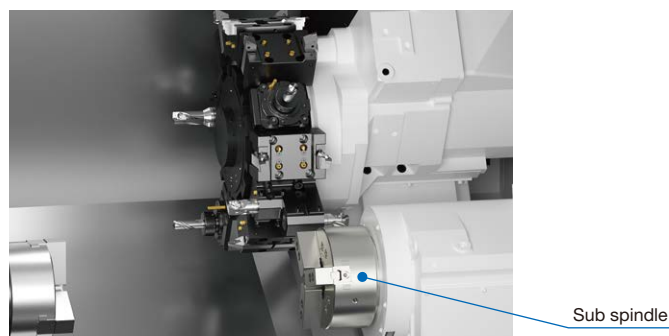


#### Y-axis rapid traverse

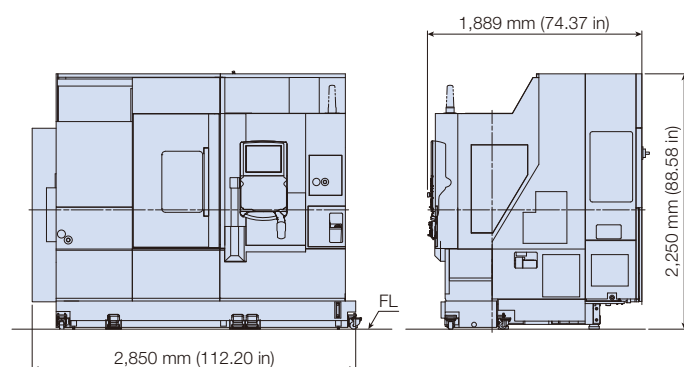
**15 m/min** (591 ipm)

#### Combines the processes of two lathes in a single machine using sub-spindles.

Workpieces can be automatically transferred between the main spindle and sub-spindle, enabling continuous machining of both sides of workpieces.



### Dimensional drawings



The specifications, illustrations, and descriptions in this brochure vary in different markets and are subject to change without notice.

### Machine specifications

			LB2000 EX III (MYW)
			W×450
Capacity	Swing over bed	mm (in)	ø580 (ø22.83)
	Swing over saddle	mm (in)	ø470 (ø18.5)
	Distance between nose	mm (in)	791 (31.14)
	Max turning dia	mm (in)	ø360 (14.17)
Travels	X-axis	mm (in)	260 (10.24)
	Z-axis	mm (in)	550 (21.65)
	Y-axis	mm (in)	115 (+70 to -45) (4.53 (+2.76 to -1.77))
	W-axis	mm (in)	595 (23.43)
	C-axis (minimum control angle)	deg	360 (0.001)
	Spindle	Speed	min <sup>-1</sup>
Nose			ø140 flat {JIS A2-6}
Bore dia		mm (in)	ø62 {ø80} (ø2.44 {ø3.15})
Sub spindle	Speed	min <sup>-1</sup>	50 to 6,000
	Nose		ø140 flat
	Bore dia	mm (in)	ø62 (ø2.44)
Turret	Type		Multitasking V12
	No. of tools		L / M: 12
	OD tool shank	mm (in)	□20 (0.79)
	ID tool shank dia	mm (in)	ø32 (1.26)
Milling tool	Spindle speed	min <sup>-1</sup>	45 to 6,000
Feed rates	Rapid traverse	m/min (ipm)	X: 30, Z: 30, Y: 15 (1,181, 1,181, 591)
	Rapid traverse (W)	m/min (ipm)	30 (1,181)
	Rapid traverse (C)	min <sup>-1</sup>	200
Motors	Main spindle	kW (hp)	11/7.5 (15/10) (20 min/cont) [15/11 (20/15) (20 min/cont)] {22/15 (30/20) (30 min/cont)}
	Sub-spindle	kW (hp)	11/7.5 (15/10) (20 min/cont)
	Milling tool spindle	kW (hp)	5.5/3.7 (7.5/5) (2 min/cont)
Machine size	Height	mm (in)	2,250 (88.58)
	Floor space W × D*	mm (in)	2,850×1,889 (112.20×74.37)
	Mass (w/ CNC)	kg (lb)	5,250 (11,550)
CNC			OSP-P500L

[ ]: High power spindle specs { } : Big-Bore spindle specs  
\* Standard spindle and side-discharge specs; includes type I tank.



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