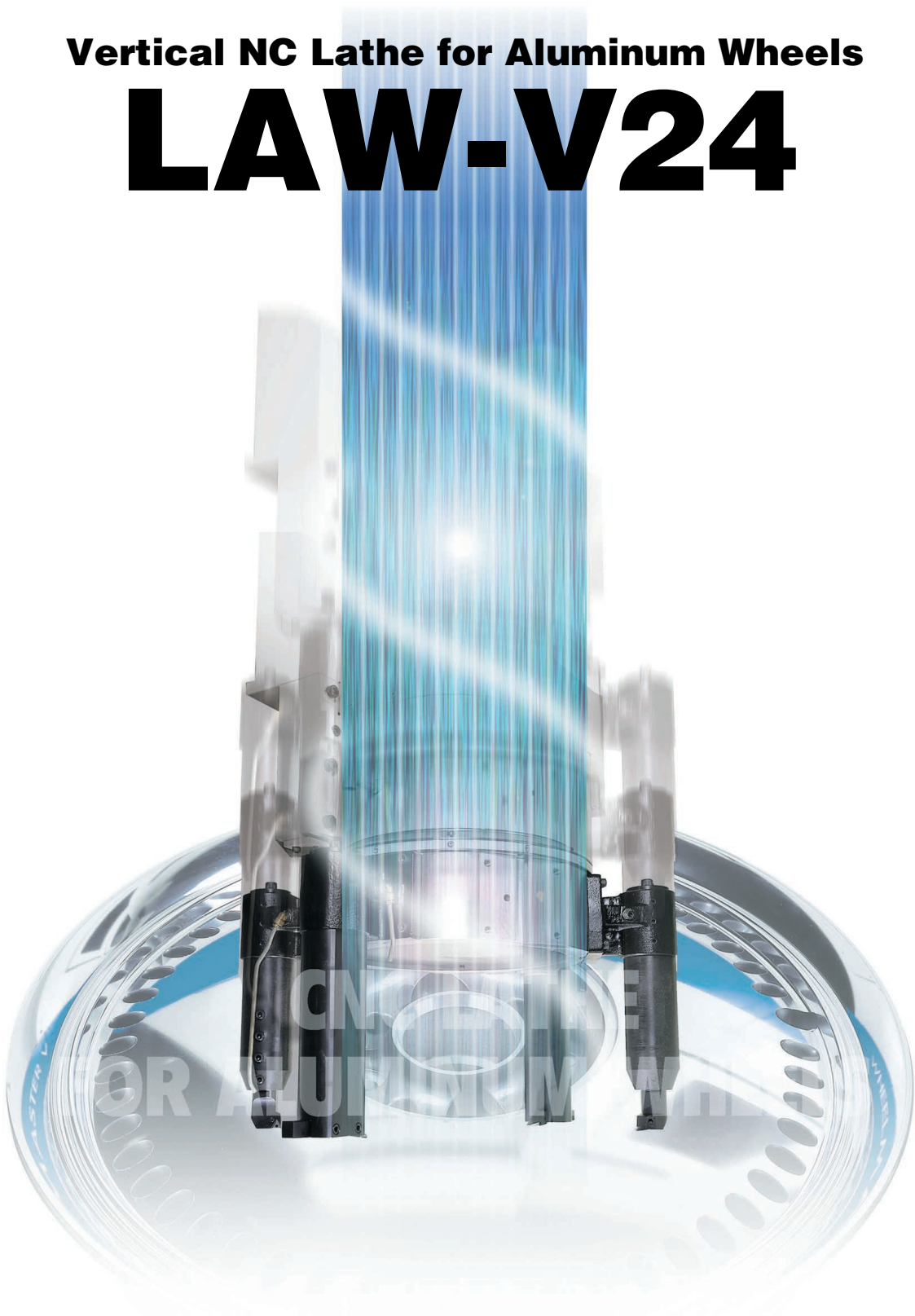


Vertical NC Lathe for Aluminum Wheels

LAW-V24



LAW-V24

Latest machine idea; for machining large 24.5-inch wheels

Can machine 15 to 24.5-inch aluminum wheels

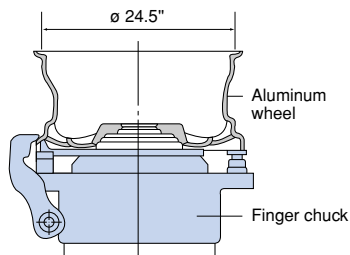


High rigidity/High precision

- Highly rigid structure with box-type base and stable box-type column
- Thermally balanced base structure and pre-tensioned ball screws

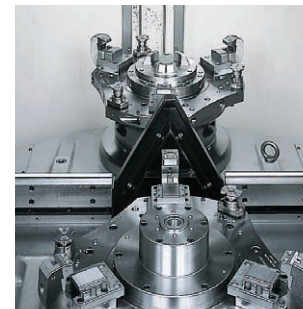
Steadfast chucking

- Stable chucking with workpiece firmly butted to the reference surface by its own weight
- The automated handling unit retracts immediately after loading the workpiece on the chuck. No more waiting for the chuck to clamp the workpiece.



Auto chuck changer (optional)

- Handles 24" x 10J wheels, and allows more flexible production line layouts

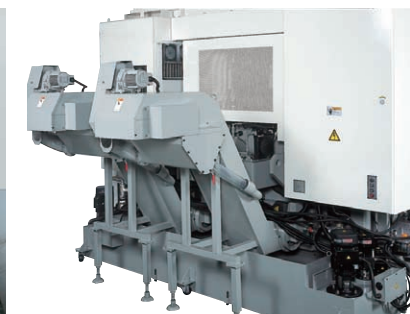


- Front-drive chuck with built-in cylinder
- Fixed to spindle by curvic coupling and pull stud
- AAC time
 - 6 sec. (17")
 - 8.5 sec. (20")



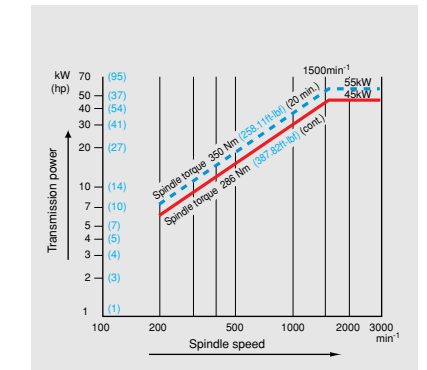
100% chip disposal

- Chip-flow-type base structure leaves no chips
- Extra-large capacity coolant system
 - Tank: 800 l (211.36 gal)
 - Coolant pump: 0.75 kW (1 hp) x 2
 - Coolant pump for cleaning chuck and inside machine: 2.2 kW (3 hp) x 2



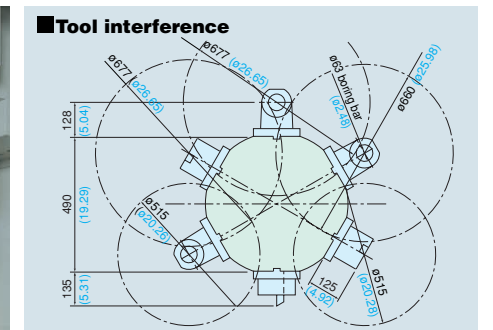
Fast spindle, quick slides

- Spindle speed
 - 3000 min⁻¹ integral motor/spindle
- Rapid traverse X-Z: 24 m/min (945 ipm)

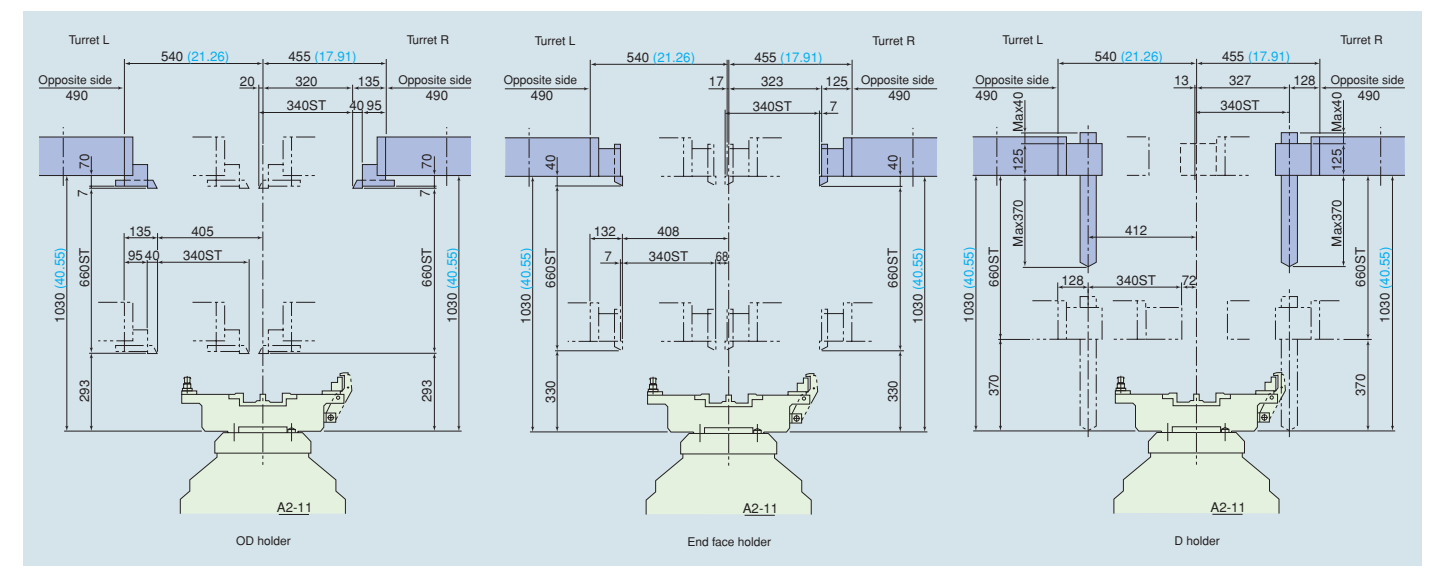


Left/right V6 Turrets

- V6 turret with no tool interference
- Large-diameter coupling gives you highly accurate indexing and a powerful hydraulic clamp



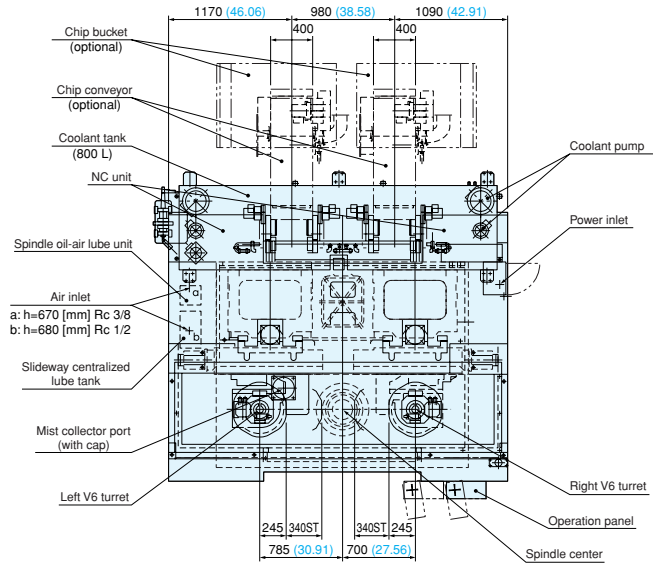
Working ranges



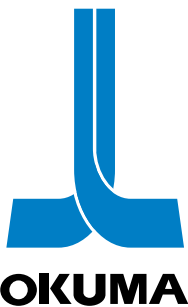
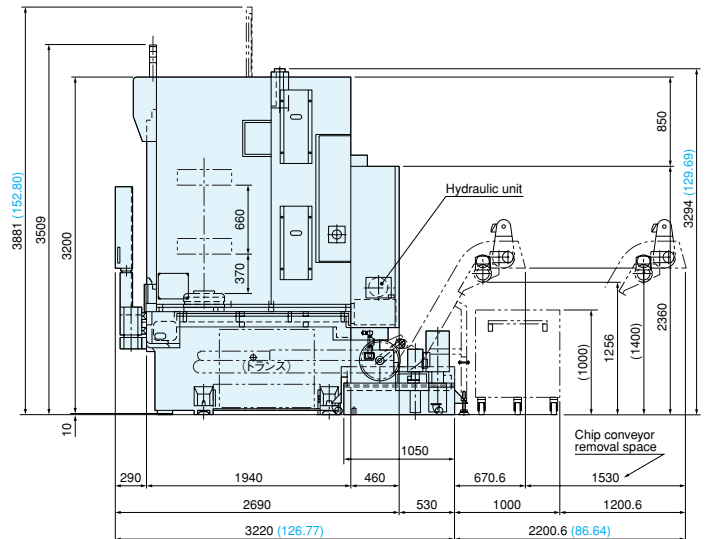
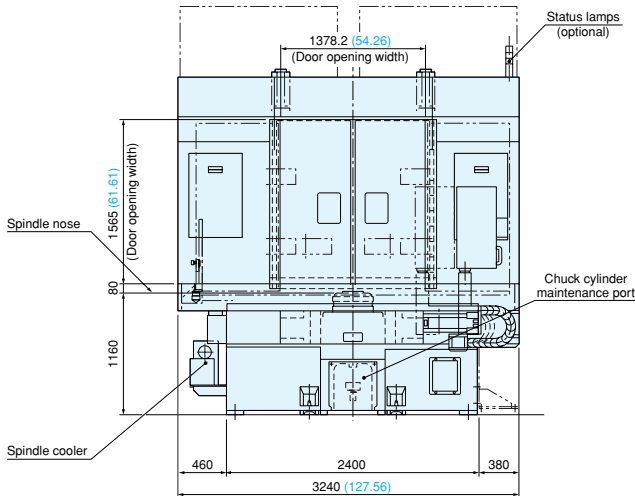
Machine specifications

Capacity	Swing over bed	mm (in.)	ø800 (ø31.50)
	Max. machining diameter	mm (in.)	ø660 (ø25.98)
	Max. work length	mm (in.)	660 (25.98)
Travel	X-axis (R-L)	mm (in.)	340 (13.39)
	Z-axis (R-L)	mm (in.)	660 (25.98)
Spindle	Speed	min ⁻¹	200~3,000
	No. of speed steps		Infinite (1)
	Nose		JIS A2-11
	Bore	mm (in.)	ø90 (ø3.54)
	Front bearing dia	mm (in.)	ø150 (ø5.91)
Turret	Type		V6+V6
	No. of tools	Boring bar dia.	6+6
	Byte shank size	mm (in.)	25 x 32 (0.98 x 1.26)
	Boring bar dia	mm (in.)	ø63 (ø2.48)
Rapid traverse (R·L)		m/min (ipm)	X,Z:24 (945)
Motor	Spindle	kW (hp)	VAC built-in 55/45 (75/61) (20 min./ cont.)
	Coolant	kW (hp)	0.75 (1) x 2 (Turret) 2.2 (3) x 2 (inside machine, chuck cleaning)
Machine dimension	Height	mm (in.)	3,881 (152.80)
	Floor space	mmxmm (in.)x(in.)	3,240x3,220 (127.56 x 126.77)
	Mass	kg (lb)	13,000 (28,600)
CNC controller			OSP-P200L

Installation Drawing



Dimensional Drawing



OKUMA Corporation, OGUCHI-CHO, NIWA-GUN, AICHI 480-0193, JAPAN • TEL (0587) 95-7825 • FAX (0587) 95-6074

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

Consult your local Okuma representative for specific end-user requirements.

When using Okuma products, always read the safety precautions mentioned in the instruction manual and attached to the product.

This product is subject to Japanese government regulations under the Foreign Exchange and Foreign Trade Control Act with regard to strategic goods. When further transport of this product to another country is being considered, prior consultation with Okuma Corporation is required.