

2SP-150H

2-Spindle Horizontal CNC Lathe



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To a higher stage of accuracy and production

“High-production runs with no thermal deformation worries is a big relief.”
It’s happening now. High-volume manufacturing with superb quality.

Top-of-the-class thermostability	Thermo-Friendly Concept
2SP cycle times—shorter	Quick 3-axis OGL ^{*1} (standard)
Smaller footprint	Machine width ^{*2} : 1,850 mm



Photographs in this brochure may show optional equipment.

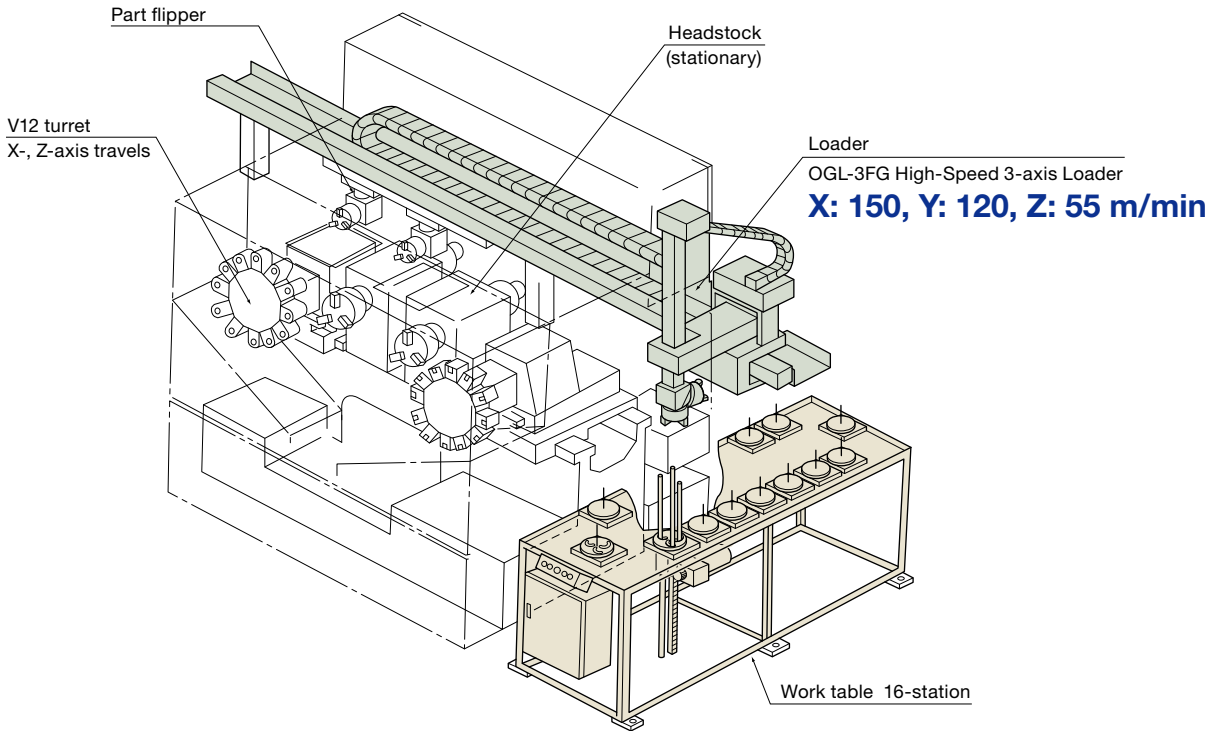
^{*1}. Okuma Gantry Loader ^{*2}. Stockers on either side of the machine not included.

Machine Specifications

		Unit	2SP-150H	2SP-150HM
Capacity	Max turning dia	mm (in)	ø220 (ø8.66)	
	Max turning length	mm (in)	150 (5.91)	
Travels	X-axis	mm (in)	150 (5.91)	
	Z-axis	mm (in)	155 (6.10)	
	C-axis		—	360° (0.001°/unit)
Spindles	Speed	min ⁻¹	50 to 4,500 [6,000, 3,500]	
	Speed ranges		Infinitely variable	
	Nose		ø140 (ø5.51) flat	
	Bearing dia	mm (in)	ø80 (ø3.15)	
	Bore dia	mm (in)	ø42 (ø1.65)	
Turrets	Type ^{*1}		Turning V12	Multitasking V12
	No. of tools	tools	12	L/M 12
	OD tool shank	mm (in)	25 × 25 (0.98 × 0.98)	
	ID tool shank dia	mm (in)	ø40 (ø1.57)	
Milling tool	Speed	min ⁻¹	—	6,000
Feed rates	Rapid traverse	m/min (fpm)	X: 24 (79), Z: 24 (79)	X: 24 (79), Z: 24 (79), C: 200 min ⁻¹
Motors ^{*2}	Spindle	kW (hp)	11 (14.67) / 7.5 (10) (30 min/cont)	
	Axis drive (X/Z)	kW (hp)	X: 2.2 (2.93) / Z: 2.2 (2.93)	
	Milling tool spindle	kW (hp)	—	3 (4)
Machine size	Height	mm (in)	2,648 (104.25) (status indicator included)	
	Floor space	mm (in)	1,850 × 2,150 (72.83 × 84.65) (machine only)	
	Mass	kg (lb)	5,000 (11,000) (loader included)	
			OSP-P300LA/FANUC 31i-B	
CNC				

[] : Option
^{*1}. 2SP-150HM (multitasking machine) with:
left multitasking V12 + right turning V12,
left turning V12 + right multitasking V12,
and left multitasking V12 + right multitasking
V12 combinations available.
^{*2}. Mounted on the left and right
respectively.

Advanced Automation OGL-3FG High-Speed 3-axis Loader



Loader Line Configurations

Single loader	
Single stocker	Left out or right out Double-lifter worktable
Double stockers	Single-lifter worktable, or Double-lifter worktable
Double loaders	
Double stockers	Single-lifter worktable, or Double-lifter worktable

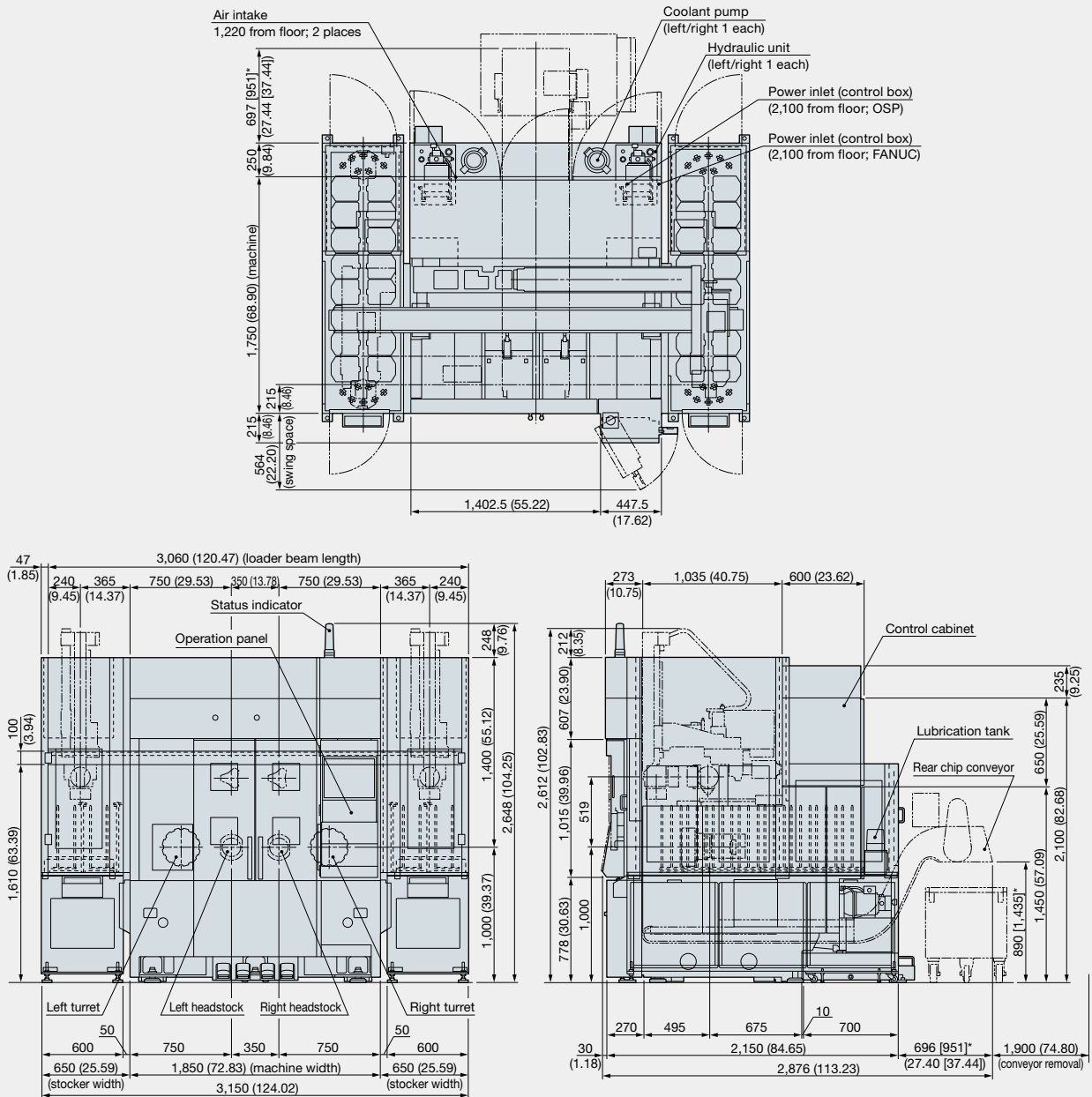
Loader Specifications

OGL-3FG Loader (w/part flipper)	Max workpiece size	mm (in)	ø150 × 80 (ø5.91 × 3.15)
	Max carrying load	kg (lb)	3 (6.6) × 2
	Drive		Servo (X, Y, Z)
	Working range	mm (in)	X: 1,981 (77.99) (single stocker), X: 2,580 (101.57) (double stockers), Y: 500 (19.69), Z: 210 (8.27)
	Rapid traverse Gripper	m/min (fpm)	X: 150 (492), Y: 120 (394), Z: 55 (180) 3-finger gripper (w/spring pusher) finger stroke ø30 mm
Work table	Max workpiece dia	mm (in)	ø150 (ø5.91)
	No. of stations		16
	Lifter stroke	mm (in)	450 (17.72)
	Max workpiece mass (1 station)	kg (lb)	30 (66)

2SP-150H

Dimensional Drawing / Installation Drawing

Unit: mm (in)



* []: For H type chip conveyor

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

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