

## Machine Specifications

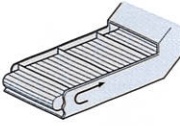
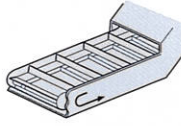
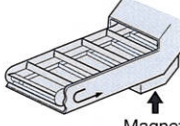
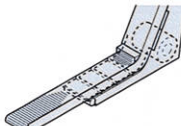
Item	Unit	V760EX		2SP-V760EX	
		L	M	L	M
Capacity	Max turning diameter	ø760 (29.92)			
	Max swing diameter	ø800 (31.50)			
	Swing on carriage	ø610 (24.02)			
	Max work length (height)	770 (30.31)			
	Max workpiece weight (w/ chuck)	500 (1,100) [When limited to 1,000 kg/200 min <sup>-1</sup> ]			
	Height from floor to spindle nose*1	1,085 (42.72)			
Travel	X-axis travel	390 (15.35)			
	Z-axis travel	770 (30.31)			
	C-axis travel	–	360 (minimum control angle 0.001)	–	360 (minimum control angle 0.001)
Spindle	Spindle speed	20 to 2,000			
	Spindle speed ranges	2 auto ranges (2-speed motor coil switching)			
	Spindle nose shape	JIS A2-11			
	Spindle bore diameter	ø92 (3.62)			
	Spindle front bearing diameter	ø160 (6.30)			
Turret	Turret type	V12	M-V12	V12 + V12	M-V12 + M-V12
	No. of tools	12	L/M: 12	12 + 12	L/M: 12 + 12
	OD tool shank dimensions	□25, □32 (1, 1-1/4)			
	ID tool shank diameter	ø40, ø50, ø63 (1.57, 1.97, 2.48)			
Milling tool	Milling tool spindle speed	–	4,000	–	4,000
	Milling tool spindle torque	–	OSP:57.8/33.1 (25min/cont) FANUC:70/30 (inter/cont)	–	OSP:57.8/33.1 (25min/cont) FANUC:70/30 (inter/cont)
	Milling tool speed range	–	Infinitely variable	–	Infinitely variable
Feedrates	Rapid traverse X, Z-axis	m/min (fpm) X: 24 (78.74), Z: 24 (78.74)			
	Rapid traverse C-axis	–	20	–	20
	Cutting feedrate X, Z-axis	mm/rev 0.001 to 300.000			
Motor	Spindle drive	30/22 (40/30) (30 min/cont)		30/22 (40/30) (30 min/cont) × 2	
	Milling tool spindle motor	–	OSP: 7.5/4.3 (10/5.7) (25 min/cont) FANUC: 5.5 (cont)	–	OSP: 7.5/4.3 (10/5.7) (25 min/cont) FANUC: 5.5 (cont)
	Axis drive motors	OSP X: 3.5 (4.7), Z: 4.6 (6.1) FANUC X: 4.0 (5.3), Z: 4.0 (5.3)	OSP X: 3.5 (4.7), Z: 5.2 (6.9) FANUC X: 4.0 (5.3), Z: 4.0 (5.3)	OSP X: 3.5 (4.7), Z: 4.6 (6.1) FANUC X: 4.0 (5.3), Z: 4.0 (5.3)	OSP X: 3.5 (4.7), Z: 5.2 (6.9) FANUC X: 4.0 (5.3), Z: 4.0 (5.3)
	Coolant pump motors (50 Hz/60 Hz)	kW (hp) Turret: 0.25/0.25 (0.3/0.3) shower: 0.37/0.55 (0.5/0.7)			
	Machine Size	Machine height*1	mm (in.) 3,489 (137)		
Machine Size	Required floor space (length × width)*2	mm×mm (in.) 1,842 × 2,732 (72.52×107.56)		3,680 × 2,732 (144.88×107.56)	
	Machine weight	8,500 (18,700)	8,700 (19,140)	17,000 (37,400)	17,400 (38,280)
CNC		OSP-P300LA, FANUC 0i-TF			

\*1. Machine height and center height may become taller depending on attached cylinder type \*2. Including tank, not including operation panel

## Standard Specifications/Accessories

Spindle	V760EX	JIS A2-11 20 to 2,000 min <sup>-1</sup>	Chuck open/close push button switch*1	○
	V920EX	JIS A2-11 20 to 1,250 min <sup>-1</sup>	Full enclosure shielding	○
Motor spindle	30/22 kW (30 min/cont)		Jack screws, foundation pads	○
Turret	V12		In-machine work lamp	LED
Coolant tank. Parenthesis show V920EX	400 L (420 L)		Tool kit	○
Front door interlock	○		Auto front door open/close*2	Includes tape SW
Lubrication monitor	○		*1. Standard specifications on V760EX only *2. Standard specifications on V920EX only	

## Chip conveyor types and applications

Name	Hinge type	Scraper type	Magnet scraper type	Hinge scraper type (With drum filter)
Application	● For steel	● For castings	● For castings	● For steel, castings, nonferrous metal
Features	● General use	● Magnet scraper more effective for sludge disposal ● Easy maintenance ● Blade scraper	● Effective with sludge ● Not suited for nonferrous metals	● Filtration of long and short chips and coolant
Shape			 Magnet	

Note: Machine platform may be necessary depending on the type of chip conveyor.