



Range of Specifications Available for a Variety User Applications

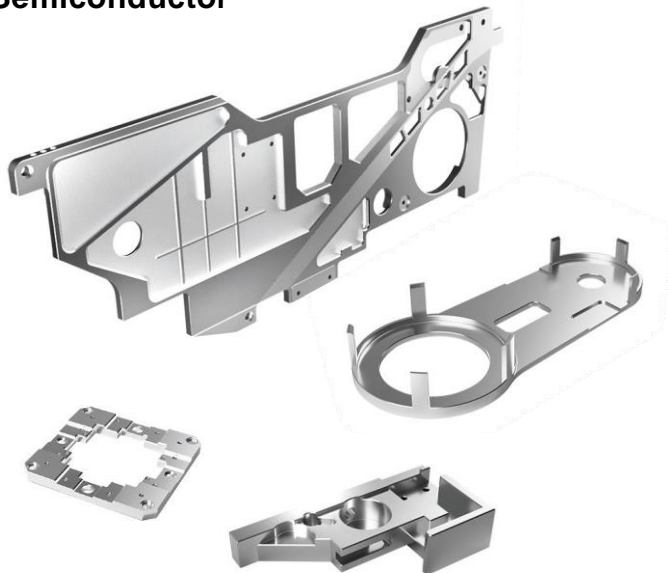
Compact Machining Center SPEEDIO	S300Xd1 S300Xd1-5AX 	S500Xd1 S500Xd1-5AX 	S700Xd1 S700Xd1-5AX 
Travel range for X- / Y- / Z-axes	300 mm / 400 mm / 300 mm	500 mm / 400 mm / 300 mm	700 mm / 400 mm / 300 mm
Maximum spindle speed	10,000 min ⁻¹ (Option) 16,000 min ⁻¹ , 10,000 min ⁻¹ high-torque , 27,000 min ⁻¹		
Tool quantity	14 tools (Option) 21 tools / 28 tools		
Spindle option	BT dual contact system, Coolant-through-spindle (CTS) withstand pressure 3.0 MPa / withstand pressure 7.0 MPa		
Simultaneously controlled axes (Interpolation)	S300/500/700Xd1 : Linear, 4 axes (X, Y, Z, 1 additional axis) ; Circular:,2 axes S300/500/700Xd1-5AX : Linear, 5 axes (X, Y, Z, 2 additional axes) ; Circular:,2 axes		

*CTS withstand pressure is a piping specification.

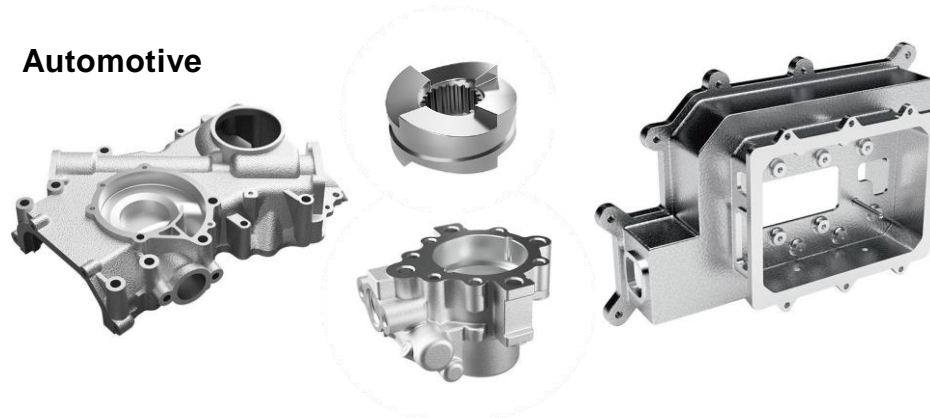
*CTS cannot be selected for the 27,000 min⁻¹ spindle.

Sample of Standard Machine Workpieces Covering Various Fields

Semiconductor



Automotive



Precision components



Advanced New Model with Better Versatility



① Tool magazine

Added 28 magazine option
(Select from 14, 21 or 28
magazines)



② Machine base / column

Revised base and rib structure
Increased column width by 20%
magazines)



③ Spindle

Withstand pressure 7.0MPa
CTS option

④ Machining support

Increased max. tool weight
3 kg → 4 kg*1

⑤ Jig support

Increased max. table load
weight 300 kg → 400 kg*1

⑥ Simultaneous 5-axis control



*1 Parameter setting required.

Basic Specifications

Item			S300Xd1 S300Xd1-5AX	S500Xd1 S500Xd1-5AX	S700Xd1 S700Xd1-5AX
Spindle	Speed	min ⁻¹	10,000 / 10,000 high-torque / 16,000 / 27,000		
	Tool	-	BT / BBT		
	Coolant-through-spindle withstand pressure		3.0 MPa / 7.0 MPa*		
Travel range	X-axis	mm	300	500	700
	Y-axis	mm	400		
	Z-axis	mm	300		
Feed axis	Rapid feedrate X×Y×Z	m/min	50 × 50 × 56		
Table	Size of work surface	mm	600 × 400	600 × 400	800 × 400
	Max. load weight	kg	250 (300)	250 (400 *2)	
Tool changer	Tool storage capacity	Qty.	14 / 21	14 / 21 / 28	
	Max. tool length	mm	160 / 250 (14 / 21 tools)	250	
	Max. tool diameter	mm	110		
	Max. tool weight	kg/tool	3.0 (4.0 *2)		
NC control unit		-	S300/500/700Xd1 : CNC-D00 , S300/500/700Xd1-5AX : CNC-D00v(DB)		

*1 CTS withstand pressure is a piping specification

*2 Speed parameter setting must be adjusted.