

HIGH SPEED SPINDLES

Water-cooled spindles

S 21

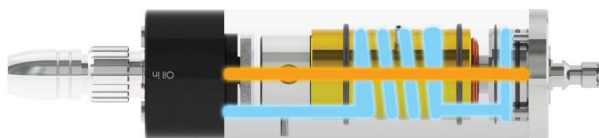


Water-cooled and oil mist lubricated spindle intended for building into machine or automation cells, where power, wide speed range and low noise level are essential. S21 is designed and manufactured with highest precision and accuracy which makes it optimal for internal grinding or other precision high speed machining.

Technical specifications

S 21
Housing: Stainless steel
Cooling: Water-cooling
Ball bearings: Oil-mist lubricated, spring pre-loaded, high performance angular contact ball bearings.
Electrical connection: 6-pin contact with included PTC via frequency converter.
Rotation direction: Both directions are available
Water connection: In- and outlet (R 1/8")
Oil mist connection: Inlet (R 1/8")

▲ Oil-mist lubrication of both front and rear ball bearing



▲ Efficient water-cooling over the stator and the front ball bearings

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Standard accessories included

- ▲ 3 m cable
- ▲ 2 chuck keys
- ▲ 1 collet in any dimension (specify on order)

Drive unit

- ▲ Frequency converter, stand-alone unit: SF700
- ▲ Frequency converter for installation: CDA-0,75
- ▲ Control Box for control of CDA: CONTROL BOX

Spindle model	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm	Weight kg	Spindle nose type	Collet max Ø mm
S 21-60	60	259	36	25	168	3,6	Spintec 17	8,0
S 21-90	60	229	33	20	125	2,9	Regofix ER-8	5,0
	Effect max kW	Voltage V	Speed max RPM	Speed min RPM	Run-out max mm	Coaxiality max mm	Air consumption l / min	Noise level dB
S 21-60	0,7	210	60 000	15 000	0,005	0,05	0,6 *	60
S 21-90	0,4	230	90 000	30 000	0,005	0,05	0,6 *	60

* The water flow between the spindle and the flowmeter may vary depending on various conditions

