

Typical markets



Dental

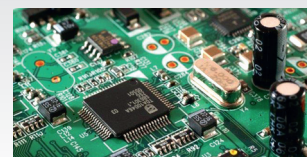


Jewelry-, tin and plastic processing



Revolving transfer machine

Photo courtesy of Imoberdorf AG



Printed circuit board

Product range

Spindle type	Motor type	Outer diameter D [mm]	Nominal speed n max/rpm	Power S1 P [kW]	Torque S1 M [Nm]	Motor frequency [Hz]	Lubrication system	Cooling	Length L [mm]	Weight [kg]
Manual / direct shank										
 AG62-60-0.24-M-DS	asynchronous	62	60.000	1,5	0,24	1.000	grease	liquid	227,1	3,3
 AG42-60-0.056-M-DS	asynchronous	42	60.000	0,35	0,056	1.000	grease	convection	200,4	1,4
 SG45-60-0.12-M-DS	synchronous	45	60.000	0,75	0,12	1.000	grease	air	200,4	1,4
 AG45-60-0.08-M-DS	asynchronous	45	60.000	0,5	0,08	1.000	grease	air	200,4	1,4
Automatic / direct shank										
 AG62-60-0.24-P-DS	asynchronous	62	60.000	1,5	0,24	1.000	grease	liquid	272,2	3,3
 AG42-60-0.056-P-DS	asynchronous	42	60.000	0,35	0,056	1.000	grease	convection	200,4	1,4
 AG33-60-0.036-P-DS	asynchronous	33	60.000	0,2	0,03	1.000	grease	convection	215,5	1
 AA62-200-0.12-P-DS	asynchronous	62	200.000	0,7	0,12	3.333	air	liquid	241,2	3,4
 AA62-250-0.1-P-DS	asynchronous	62	250.000	0,6	0,1	4.167	air	liquid	235,9	3,2
 SG45-60-0.12-P-DS	synchronous	45	60.000	0,75	0,12	1000	grease	air	235,9	2,4
 AG45-60-0.08-P-DS	asynchronous	45	60.000	0,5	0,08	1.000	grease	air	235,9	2,4

Milling, drilling and grinding – spindles from PRECISE

PRECISE Technologies GmbH develops and markets spindle systems for precision machining in the optical industry, in dental and medical technology, in micromachining, in the aircraft industry, and in tool and die making. Our spindles are characterized above all by their reliability,

precision and balanced price-performance ratio. Our experienced development department will work together with you to engineer practical solutions for your machinery concept. The following is an overview of the basic products of our SMART LINE.

Two lines for different requirements

PRECISE strives to offer products perfectly tailored to the specific needs of its customers. Since those needs vary no less than the applications themselves in which our spindles are used, our product portfolio covers a very broad range.

/// SMART LINE

Cost-efficient solution with a high degree of standardization

- » 33-62 mm Ø
- » Interface: direct shank

/// PERFORMANCE LINE (*)

Technically high-quality solutions with a high degree of innovation and customer-specific modifications

- » 60-100 mm Ø
- » Interfaces: HSK E20-E32, taper shank, direct shank, grinding arbor

Working together with you, we will determine which spindle from which line best fits your individual requirements.

() For further information, feel free to also request our PERFORMANCE LINE brochure.*

Worldwide service

Along with the three brands of the FISCHER Spindle Group – FISCHER AG Präzisionsspindeln, PRECISE Technologies GmbH and FISCHER Engineering Solutions AG – the FISCHER Spindle Group also includes established service companies in other key markets.

In addition to customer support during start-up and in the design of machining processes as well as a wide range of services and training seminars, these companies provide reputable repair services in accordance with the manufacturer's specifications.