

LPR's High Frequency Spindles are ideal for milling, drilling, tapping, engraving and deburring operations. Ranging from 30 mm to 230 mm in diameter, they are capable of high speeds up to 125,000 rpm. The combination of hybrid ceramic angular contact bearings with grease or oil mist lubrication systems ensures high rigidity with minimal vibration. We use leading toolholder brands such as HSK, BT and SK for superior precision. Optional features include encoders and rotary joints. Please contact us for customized spindle designs.

## ■ Spindles for Manual Tool Change

Model	Diameter (mm)	Power (kW)	Speed (max rpm)	Toolholder	Lubrication
SW60-6014-SK6	60	1.4	60,000	SK6	Grease
SW62-1052-E11	62	2.0	90,000	ER11	Grease
SW80-3033-SK10T	80	3.3	30,000	SK10	Grease
SW80-3033-SK13	80	3.3	30,000	SK13	Grease
SW80-4033-SK6	80	3.3	40,000	SK6	Grease
SW80-4033-SK10	80	3.3	40,000	SK10	Grease
SW80-4033-E16	80	3.3	40,000	ER16	Grease
SW80-6033-SK100	80	3.3	60,000	SK10	Oil Mist
SW80-7005SK100	80	5.0	70,000	SK10	Oil Mist
SW80-7512-E110	80	1.2	75,000	ER11	Oil Mist

## ■ Spindles for Automatic Tool Change

Model	Diameter (mm)	Power (kW)	Speed (max rpm)	Toolholder	Lubrication
SW62-6014-PC6	62	1.4	60,000	PC6	Grease
SW80-6033-ISO10	80	3.3	64,000	ISO10	Grease
SW80-4033-ISO20	80	3.3	40,000	ISO20	Grease
SW80-4033-PC10	80	3.3	40,000	PC10	Grease
SW80-4033-H25E	80	3.3	40,000	HSK E25	Grease
SW80-7555-H25EO	80	5.5	75,000	HSK E25	Oil Mist