



SPINDLE

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特品國際

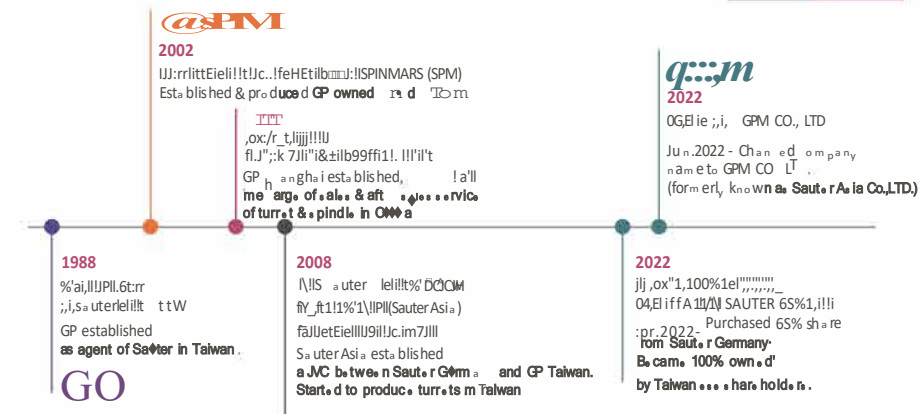


上海德霄



霄特國際

Group Milestone



集團致力於機床關鍵零組件 - 刀塔、刀座、主軸等鑽研。以智能設計、專業技術、創新服務為基礎，以客戶需求為導向，客製化ODM, OEM服務，提升機床產業的全球競爭力與機床特殊性，成為全球機床業之關鍵零組件技術領導者。首選合作夥伴。

為落實ESG(環境保護、社會責任、公司治理)理念，廠區安裝節電設備，同時與協力廠商一同尋找並開發新原料。透過製程優化以降低或避免因製造過程對環境造成之任何負面影響。

Satisfying customer demands is our guideline. Intelligent design, professional technology and innovative services are our fundamentals. We are dedicated to providing world-class products and customized ODM, OEM solutions, to become the global leader in key components of machine tool industry, and to be the No. 1 preferred partner of machine tool builders around the world.

In order to implement the principle of ESG (environmental protection, social responsibility, corporate governance). The factory installs energy-saving equipment and works with third parties to research and develop new raw materials. Reduce or avoid any negative impact on the environment caused by the manufacturing process through process optimization.

特品 GP

霄特 GPM

Linktree / @GPM



ffi GP Int'l



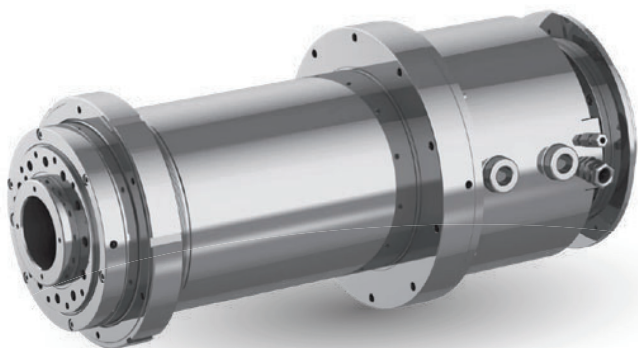
車床電主軸 Lathe Electric Spindle

產品特色：

- 體積小、安裝便捷
- 低速大扭力
- 馬達後置售後無憂
- IP68級防水

Features:

- Compact size, easy installation
- High torque at low speed
- Rear-mounted motor for hassle-free maintenance
- IP68 waterproof rating



產品型號 Product Model	A2-4-150		A2-5-170		A2-6-200	
額定電壓 Rated voltage	220V	380V	220V	380V	220V	380V
額定功率 Rated power	11.02kW	12.2kW	11.3kW	12.5kW	19kW	22kW
額定電流 Rated current	34.75A	21.99A	40A	28A	70A	43A
最高扭矩 Maximum torque	66Nm	67Nm	90Nm	100Nm	200Nm	226Nm
最高轉速 Maximum speed	6000rpm	6100rpm	5500rpm	5500rpm	4000rpm	4000rpm
馬達極數 Motor pole number	12	12	10	10	16	16
冷卻介質 Cooling medium	油冷 Oil		油冷 Oil		油冷 Oil	

B軸車銑頭 Turn-Mill head Motor spindle + B-axis DD table



轉台煞車

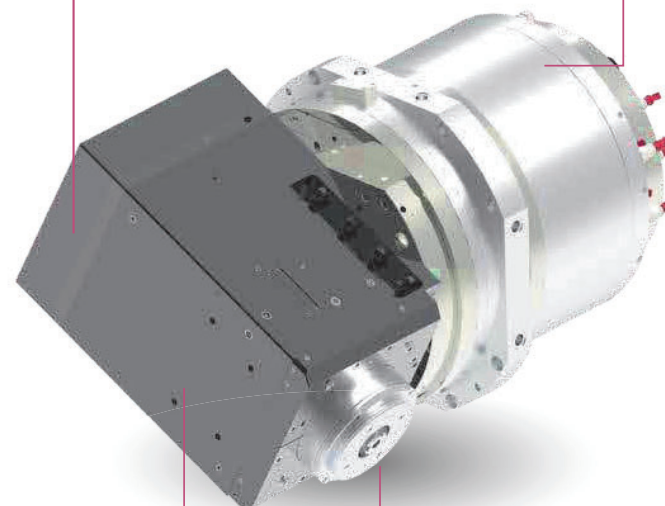
標配：72齒三片齒(5度一分割)

Brake on table

Std：72 teeth coupling(5degree/split)

搭載永磁馬達，體型小巧

Equipped with permanent-magnet motor, compact design
(HSK-T63：464mm)



最高轉速/ Max speed: 12,000 rpm
S1 torque: 88.3 Nm

多種刀具系統選擇

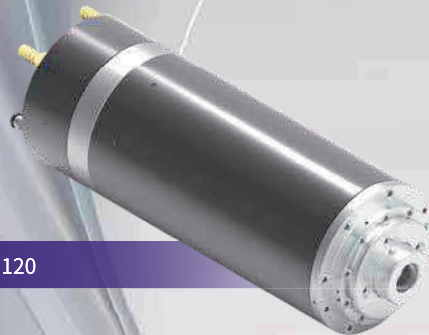
Multiple tool system available
(HSK T40/63/100,PSC C4/C6/C8)



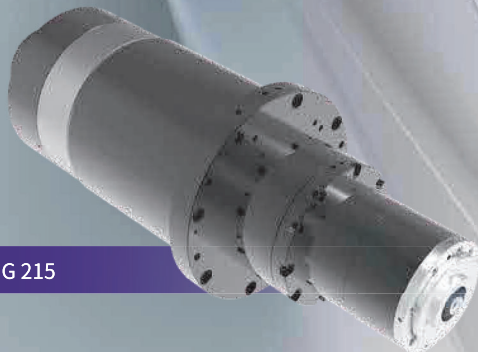
研磨主軸
Grinding Spindle



SMG 58



SMG 120



SMG 215



產品型號 Product Model	SMG58	SMG120	SMG150	SMG215	SMG230
主軸外徑 Spindle outer diameter	Ø 58	Ø 120	Ø 150	Ø 215	Ø 230
最高轉速 rpm Max Speed	20000	30000	10000	10000	8000
油脂潤滑 Grease lubrication	-	40000	-	-	10000
油氣潤滑 Oil-air lubrication	-	-	-	-	-
主軸電壓 Spindle Voltage	220	220	380	380	380
出力(Kw) Power S1	0.48	10	5.5	24	26
出力(Kw) Power S6	0.52	12	6.3	28	30
扭力(Nm) Torque S1	0.229	5.5	19.5	38.2	124
扭力(Nm) Torque S6	0.251	6.5	22.6	44.8	148
主軸冷卻方式 Spindle cooling method	氣冷 Air	水冷 Water	油冷 Oil	油冷 Oil	水冷 Water
刀把型式 Clamping type	Ø20	M22*P1.5	HSK E50	HSK E50	HSK A100
軸承溫度感測器 Bearing temperature sensor	-	Yes	Yes	Yes	Yes
主軸長度MM Spindle length	208	340	498	687	793
主軸重量KG Spindle weight	3	20	41	105	177





銑削主軸
Milling Spindle

SM 190

SM 230

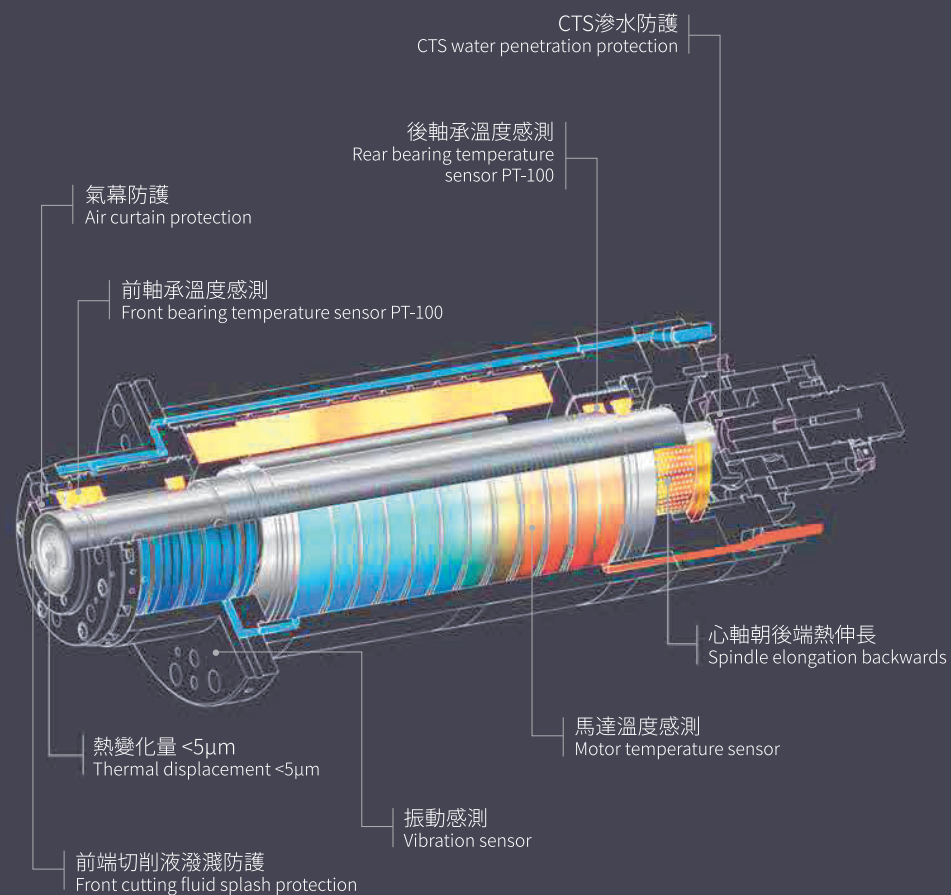


產品型號 Product Model	SM 80	SM100	SM120	SM150	SM 170	SM 210	SM 230
主軸外徑 Spindle outer diameter	Ø 80	Ø 100	Ø 120	Ø 150	Ø 170	Ø 210	Ø 230
最高轉速 rpm Max Speed	40000	30000	30000	20000	18000	16000	16000
油脂潤滑 Grease lubrication	-	-	40000	24000	24000	24000	24000
油氣潤滑 Oil-air lubrication	-	-	-	-	-	-	-
主軸電壓 Spindle Voltage	220	220	220/380	380	380	380	380
出力(Kw) Power S1	2.2	3	6.4/10	15	20	21	25
出力(Kw) Power S6	2.5	3.6	7.2/12	18	22.5	23.5	29
扭力(Nm) Torque S1	0.72	1.5	3.4/5.5	14.8	32.9	101	83.2
扭力(Nm) Torque S6	0.82	1.8	4.1/6.6	17.6	38.5	114	99.3
主軸冷卻方式 Spindle cooling method	油冷 Oil	水冷 Water	水冷 Water	水冷 Water	水冷 Water	水冷 Water	水冷 Water
刀把型式 Clamping type	ER16	ISO25/HSK E40	BT30/HSK E40	BT40/HSK A63	HSK A63	HSK A63	HSK A63
軸承溫度感測器 Bearing temperature sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes
編碼器 Encoder	-	-	選配 Optional	Yes	Yes	Yes	Yes
旋轉接頭 Rotary joint	-	-	選配 Optional	選配 Optional	選配 Optional	選配 Optional	選配 Optional
主軸長度MM Spindle length	220	385	451	541	592	718	654
主軸重量KG Spindle weight	6	14	23	45	60	120	138



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2D 動畫