Automatic Tool Change Spindle Motors

Motor		TYPE OF SHAFT ISO 30		TYPE OF SHAFT HSK F63		Voltage		
		Short nose	Long nose	Short nose	Long nose	380 V	220/380 V	Application
ES915	3.8kw 2 poles 24000rpm Air cooling	٧	٧			٧	٧	Plastic, wood, light aluminum
	5kw 4 poles 24000rpm Air cooling	٧				٧		Plastic, wood, light aluminum
	5.5kw 4 poles 20000rpm Air cooling	٧		٧		٧		Plastic, wood, light aluminum, solid wood.
	7.5kw 4 poles 24000rpm Air cooling	٧	٧	٧	٧	٧	٧	Plastic, wood, light aluminum, solid wood.
ES929	8 kw 4 poles 24000rpm Air cooling				٧		Only 220v	Plastic, wood, light aluminum, solid wood.
	10 kw 4 poles 24000rpm Air cooling		٧	٧	٧	٧		Plastic, wood, light aluminum, solid wood.

Motor			TYPE OF SHAFT ISO 30		TYPE OF SHAFT HSK F63		Voltage		Application
			Short nose	Long nose	Short nose	Long nose	380 V	220/380V	
	ES929	12 kw 4 poles 24000rpm Liquid cooling	٧	٧	٧	٧	٧		Plastic, wood, light aluminum, solid wood.
	"	16 kw 4 poles 24000 rpm Liquid cooling			٧	٧	٧		Plastic, wood, light aluminum, solid wood.
	39	7.5 KW 4poles 24000 rpm Air Cooling & Encoder	٧				٧		Aluminum, Light aluminum, Heavy aluminum
	ES939	9kw 4 poles 24000 rpm Liquid cooling	٧				٧		Aluminum, Light aluminum, Heavy aluminum
	ES988	11KW 4 poles 24000 rpm Air Cooling			٧	٧	٧		Aluminum, Wood, Solid wood
	Ш	15kw 4 poles 24000 rpm Liquid Cooling				٧	٧		Aluminum, Wood, Solid wood

Motor		TYPE OF SHAFT HSK- E25		V	oltage	Application
		Short nose	Long nose	380v	220/380v	
ES325	2kw 2 poles 40000 or 50000rpm Liquid Cooling	√		√		Light composites
E5326	4kw 2 poles 50000rpm Liquid Cooling	√		√		Light composites
ES327	3kw 4 poles 40000 or 50000rpm Liquid Cooling	√		√	Only 220v	Light composites

Motor			TYPE OF SHAFT ISO 30		TYPE OF SHAFT HSK-E40/F50		Voltage		Application
			Short nose	Long nose	Short nose	Long nose	220v	380v	
Y	ES330	4kw 4 poles 24000rpm Air cooling	√					√	Light Aluminum, Plastic, Wood.
	ES350	6.5kw 4poles 36000rpm Liquid Cooling			√			√	Plastic, Aluminum

Air cooled ATC Spindle motors

Automatic tool change spindle motors for machining wood, plastics, marble, glass, and aluminum. They are characterized by their extremely high reliability and the wide range of powers and operating speeds. They are available with type ISO30, HSK F50, HSK F63 tool holder fittings with powers ranging from 3.5kw up to 13.5kw and speeds up to 24000 rpm for all versions, The declared power ratings are guaranteed during continuous service, while the available powers for machining can be up 100% during discontinuous operations (for example when machining solid wood).

Liquid cooled ATC Spindle motors

Quick change liquid cooled spindle compatible with the air-cooled applications. Used for machining plastics , these motors are wide range of powers and operating from 2kw up to 22kw (speeds from



motors, with models mechanically versions, are designed for heavy duty steel, marble, wood, aluminum and characterized by reliability and by their speeds. They are available with powers 12000 rpm up to 50000 rpm).

