

HS664



The smaller 5-axis machining center of FIDIA HSM range

Compact milling system characterized by a wide range of accessories, making it suitable for any fast and accurate machining in 3 and 5 axis.

Linear axes travel (mm)	X	Y	Z
	600 (23,6")	560 (22")	400 (15,7")
Axes speed (m/min)	30 (1181 ipm)		
Milling Spindles speed (1/min)	24000	18000	36000
max power (kW)	25	55	19
toolholder	HSK63A/E	HSK63A	HSK50E
Roto-tilting Table	platter	max rotation	max load
	Ø 400	Ø 570	350 Kg.

G996RT



High performance 5-axis milling center

Upper gantry structure with high rigidity monolithic basement and integrated roto-tilting table. Ideal for high precision 5 sides and 5 axis machining. The machine is fully equipped with active thermal control.

Linear axes travel (mm)	X	Y	Z
	850 (33")	950 (37")	600 (24")
Axes speed (m/min)	45 (1772 ipm)		
Milling Spindle	speed (1/min)	max power (kW)	Toolholder
	24000	30	HSK63A
Roto-tilting Table	platter		max rotation
	600 x 600 mm		Ø 800
	max rotation		960 mm (38")
	load capacity		1090 mm (43")
	850 Kg (1874 lbs)	1200 Kg (2646 lbs)	

K199



High performance 5 and 6-axis milling center

Being the most compact machine of the K series, it represents the ideal solution for all small and medium size molds and prototypes. The machine morphology with fixed bench provides evident advantages in workpiece loading and machining precision. Various types of Rotary Table can be added to enhance the capability.

Linear axes travel (mm)	X	Y	Z
	1650 (65")	750 (30")	850 (33")
Axes speed (m/min)	30 (1181 ipm)		
Milling Spindles	bi-rotary continuous/indexed		
	speed (1/min)	max power (kW)	toolholder
	24000	55	HSK63A
Rotary Table	Ø 800	Ø 1200	1300 x 1300 mm
	load capacity	1000 Kg	3500 Kg
			6000 Kg

D218/318



5-axis high speed finishing milling systems

High Speed Milling systems specifically designed for both the 3+2 and 5 axes finishing of surfaces. On purpose high rate rotation spindles equip the D-series, for excellent surface quality.

Linear axes travel (mm)	X	Y	Z
D218	2000 (79")		
D318 (mm)	3000 (118")	1000 (39")	800 (31")
D418	4000 (157")		
Axes speed (m/min)	22 (866 ipm)		
Milling Spindles	index bi-rotary (BSH)	Continuous bi-rotary (5A)	
	speed (1/min)	30000/24000	32000
	max power (kW)	22/34	7,5
	toolholder	HSK50E/HSK63A	HSK40E

K211 - K411



Modular 5-axis high speed milling systems

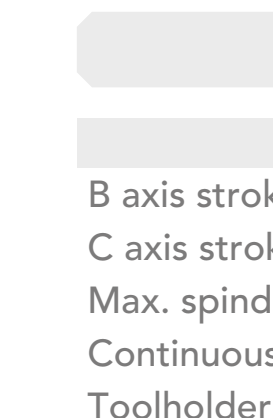
5 axes High Speed Milling line specifically designed for both large plastic injection moulds and aeronautical components. The open front machine structure allows for the best supervision of all machining operations. KR configuration including a 6th axis, complete and extend the working envelope capacity.

Linear axes travel (mm)	X	Y	Z
K211	2700 (106")		
K411 (mm)	4200 (165")	1100 (43")	1000/1400 (39" / 55")
K711	7500 (295")		
Axes speed (m/min)	50 (1968 ipm)	40 (1574 ipm)	30 (1181 ipm)
Milling Spindles	bi-rotary continuous/indexed		
	speed (1/min)	24000	15000
	max power (kW)	55	65
	toolholder	HSK63A	HSK100A

Milling head



M5A		
bi-rotary continuous/indexed		
A axis stroke	+95° ÷ -110°	
C axis stroke	± 200° (optional ± 360°)	
Max. spindle speed	24000 1/min	15000 1/min
Continuous max. power	55 kW	65 kW
Toolholder	HSK63A	HSK100A



M5A/7		
bi-rotary continuous/indexed		
B axis stroke	±110°	
C axis stroke	± 360°	
Max. spindle speed	32000 1/min	
Continuous max. power	7,5 kW	
Toolholder	HSK40E	



MBSH		
bi-rotary indexed		
B axis stroke	-102° ÷ +24°	
C axis stroke	-177° ÷ +180°	
Max. spindle speed	30000 1/min	24000 1/min
Continuous max. power	22 kW	34 kW
Toolholder	HSK50E	HSK63A

C40 Vision



Highest velocity, best accuracy, maximum safety

Fidia C40 Vision™ is the most powerful numerical control for advanced CNC high speed multi axis milling applications, especially requested for aerospace and automotive industry.

Features	
Real time rack processor	Intel Core i3
User processor	Intel Core i7
Interface Ports	serial/parallel port Ethernet - USB port
Graphic Board	N-Vidia quadro K600
User Operative System	Windows® 7 - 64 bit Ultimate
Monitor	19" TFT Touch Screen

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