

**Economical
Model**

**Attractive
Pricing**

**Model : KNC 2412
CNC Gantry-Type
Machining Center**



Standard equipment
FANUC Oi MD CNC System
Chain-type tool magazine capability 32 tools

Optional equipment
HEIDENHATN ITNC320 or
MITSUBISHI M64 CNC System
Umbrella-type tool magazine
capability 24 tools

TECHNICAL SPECIFICATION

Particulars	KNC2412	Particulars	KNC2412
Worktable longitudinal travel(mm)	2000	Spindle motor power(kW)	15/18.5
Slide carriage cross travel(mm)	1800	X, Y axis rapid feed speed(mm/min)	15000
Milling head vertical travel(mm)	750	Tool magazine capability (qty)	32
Worktable size(mm)	2500x1250	Tool magazine type	chain-type
Max. load of worktable(Kg)	5000	Max. tool diameter(mm)	130/200
Number/width/distance of T-slot(mm)	7-28-160	Max. length of tool(mm)	350
Gantry width (mm)	1550	Positioning accuracy(mm)	± 0.015
Dis. from spindle end to worktable surface(mm)	150-900	Repeat positioning accuracy(mm)	± 0.0075
Spindle taper	BT50	Overall dimension(mm)	6700x4306x2920
Spindle speed(rpm)	30-3200	Machine weight(Kg)	24000



SHIV MACHINE TOOLS
A unit of SHIMATO GROUP

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NASA
World Class CNC Milling / CNC Vertical Machining Centre





Model : KMC714 / KHC714
CNC Milling Machine



Model : KMC7132 / KHC7132
CNC Milling Machine



Model : KMC7136 / KHC7136
Vertical Machining Center



Model : KMC715 / KHC715
Vertical Machining Center



Model : KMC716 / KHC716
Vertical Machining Center



Model : KMC7146 / KHC7146
Vertical Machining Center



Model : KMC250 / KHC250
CNC Milling Machine



Model : KMC7130 / KHC7130
CNC Milling Machine



Model : KMC250A
CNC Milling Machine

TECHNICAL SPECIFICATION

KMC Series Machines without Automatic Tool Changer

Particulars	250	7130	7136	7132	714	7146	715	716
Table travel (X, Y, Z)(mm)	400x240x400	480x200x380	600x360x500	620x350x500	650x400x500	800x460x500	1000x510x510	1100x600x600
Table Size(mm)	800x240	1000x280	800x360	920x320	900x400	800x460	1100x510	1220x620
Number/Width/ Distance of T-slot(mm)	3-14-75	5-14-50	3-18-100	3-14-85	3-18-130	3-18-150	5-18-100	5-18-175
Max. load of table(Kg)	-	-	-	-	400	500	800	1000
Distance from spindle nose to table surface(mm)	60-460	80-460	100-600	100-600	120-620	150-650	120-630	150-750
Distance from spindle axis to vertical guideway	395	200-750	420	395	420	510	600	660
Spindle Travel(mm)	-	90	-	-	-	-	-	-
Taper of spindle	BT30		BT40	BT40	BT40	BT40	BT40	BT40
Spindle speed range(rpm)	60-6000	115-1750	60-4000	60-4000	60-4000	40-6000	60-6000	40-6000
Spindle motor power(kW)	2.2	0.85/1.5	4	5.5	5.5	7.5	7.5	7.5
Rapid feed speed(mm/min)	6000	3000	12000	18000	24000	18000	12000	18000
Cutting feed speed(mm/min)	2.5-2000	-	2.5-4000	2.5-3000	2.5-4000	2-4000	2.5-4000	2.5-6000
Positioning accuracy(mm)	± 0.04	± 0.04	± 0.015	± 0.015	± 0.015	± 0.02	± 0.02	± 0.02
Repeat positioning accuracy(mm)	± 0.02	± 0.025	± 0.0075	± 0.0075	± 0.0075	± 0.01	± 0.01	± 0.01
Overall dimension(mm)	1835x1520x1950	1210x1300x2150	2200x2050x2450	2050x1870x2170	2120x2150x2215	2500x2260x2300	2900x2200x2620	3250x2500x2600
Machine weight(Kg)	1450	1300	3100	2440	3150	4550	5670	8360

KHC Series Machines with Automatic Tool Changer

Particulars	250	7136	7132	714	7146	715	716
Table travel (X, Y, Z)(mm)	400x240x400	600x360x500	620x350x500	650x400x500	800x460x500	1000x510x510	1100x600x600
Table Size(mm)	800x240	800x360	920x320	900x400	800x460	1100x510	1220x620
Number/Width/ Distance of T-slot(mm)	3-14-75	3-18-100	3-14-85	3-18-130	3-18-150	5-18-100	5-18-175
Max. load of table(Kg)	-	-	-	400	500	800	1000
Distance from spindle nose to table surface(mm)	60-460	100-600	100-600	120-620	150-650	120-630	150-750
Distance from spindle axis to vertical guideway	395	420	395	420	510	600	660
Taper of spindle	BT30	BT40	BT40	BT40	BT40	BT40	BT40
Spindle speed range(rpm)	60-6000	40-6000	40-6000	40-6000	40-6000	60-6000	40-6000
Spindle motor power(kW)	3.7	4	3.7	4	7.5	7.5/11	7.5/11
Rapid feed speed(mm/min)	6000	12000	18000	24000	18000	12000	18000
Cutting feed speed(mm/min)	2.5-2000	2.5-4000	2.5-3000	2.5-4000	2-4000	2.5-4000	2.5-6000
Positioning accuracy(mm)	± 0.04	± 0.015	± 0.015	± 0.015	± 0.015	± 0.015	± 0.012
Repeat positioning accuracy(mm)	± 0.02	± 0.0075	± 0.0075	± 0.0075	± 0.0075	± 0.0075	± 0.005
Tool magazine capability(qty)	10	16	16	16	16	20	24
Max. weight of tool(Kg)	5	8	8	8	8	6	15
Max. dimension of tool(mm)	92	130/200	120 x 200	120 x 200	130 x 250	130 x 250	150 x 300
Min. time of tool change(sec)	-	-	-	7	3	7	3
Overall dimension(mm)	1835x1520x1950	2200x2050x2450	2050x1870x2170	2120x2150x2215	2500x2260x2300	2900x2200x2620	3250x2500x2600
Machine weight(Kg)	1530	3200	2540	3250	4650	5870	8560

Standard Accessories

Coolant System
Auto Lubrication
Compact Fluorescent Work light
Alarm System
Heat Exchanger
Full Enclosed Splash Guard
3 Axes Telescopic Steel Guard
RS-232 or RJ45 Interface
ATC Magazine - 10, 12, 16 or 24 Tools
for KHC Series

Optional Accessories

Coolant Through Spindle
CNC Rotary Table
4th Axis
Automatic Tool Changer (for KMC Series)

**A 3-axis CNC Production
Milling Machine with
FANUC/SIEMENS/GSK with
servo motor control fitted with
Industrial Control Panel with
further option of linking with
Robot, CAD/CAM and FMS
(Flexible Manufacturing System)**

Controller Options :- FANUC / SIEMENS / GSK System



FANUC Controller



SIEMENS Controller



GSK Controller



INSPECTION PROCESS

FANUC and Electricals :-



SIEMENS and Electricals :-



INSPECT the Electrical Parts one by one :-



Checking Machine Colours :-



Our ISO 9001:2008 Certified Factory