

KENFORD™

SMART MACHINING

The Complete Tool Room Machinery Solutions



MILLING MACHINE



VARIOUS USES

Kenford Model M3, M4, M5 series has a wide range of use, not only restricted to the milling, boring, drilling & tapping. The working table which can be moved along X, Y, & Z three axis, coupled with the milling head which can be rotated around three axes makes the machine performs better. Thus, the machine can be processed at any plane or forming face in any arbitrary angle. This series is applicable to enterprises & service workshops, especially for manufacturing of tools, jigs & dies.

CHARACTERISTICS

- This series is of high flexibility with the milling head swiveled 360° in the X direction, Rotated ± 90° in the Y direction & rotated ± 45° in the Z direction.
- The milling head was imported from Taiwan. The Milling has a great advantage in spindle speed & speed range, which allows the cutter tool to work efficiently & accurately. The spindle sleeve can automatic feed & stop.
- The table & knee are equipped with centralized lubrication system. The machine is equipped with a hand pressure pump to lubricate the guide way, lead screw & nut.
- The machine tool feed can be manually or motorized. Motorized feed can be achieved by installing an automatic feeder.
- Taiwan SHNYMN lead screw are installed.

IMPORTED VERTICAL MITR RAM TURRET DRO MILLING MACHINE

MODEL	KEN - M3		KEN - M4			KEN - M5
	ROUND HEAD TOP BREAK	SQUARE HEAD TOP BREAK	ROUND HEAD TOP BREAK	SQUARE HEAD TOP BREAK	SQUARE HEAD SIDE BREAK	SQUARE TOP BREAK
TABLE SIZE	1270 X 254MM	1270 X 254 MM	1370 X 254 MM	1370 X 254 MM	1370 * 254MM	1370 X 305 MM
T-SLOT	3 X 16 MM	3 X 16 MM	3 X 16 MM	3 X 16 MM	3 X 16 MM	3 X 16 MM
X AXIS	850 MM	850 MM	950 MM	950 MM	950 MM	950 MM
TRAVEL	Y AXIS	400 MM	400 MM	400 MM	400 MM	500MM
	Z AXIS	405 MM	405 MM	405 MM	405 MM	445 MM
BED HARDNESS	55 DEGREE	55 DEGREE	55 DEGREE	55 DEGREE	55 DEGREE	55 DEGREE
	X AXIS	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲
	Y AXIS	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲	RECTANGULAR■ OPT
Z AXIS	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲	DOVETAIL▲		RECTANGULAR■
RAM TRAVEL	510 MM	510 MM	510 MM	510 MM	510 MM	580 MM
SPINDLE TAPER	R8(NT30 OPTIONAL)	R8(NT30 OPTIONAL)	R8(NT30 OPTIONAL)	R8(NT30 OPTIONAL)	R8(NT30 OPTIONAL)	ISO 30/R8 OPTIONAL
QUILL TRAVEL	127 MM	127 MM	127 MM	127 MM	127 MM	127 MM
SPINDLE NOSE TO TABLE	400MM (500MM OPTIONAL)	400MM (500MM OPTIONAL)	400MM (500MM OPTIONAL)	400MM (500MM OPTIONAL)	400MM (500MM OPTIONAL)	475 MM
Speed Step number	16	16	16	16	16	16
Spindle Speed	70-4620 RPM	70-4620 RPM	70-4620RPM	70-4620RPM	70-4620RPM	70-4620RPM
Quill Feed	0.04, 0.08, 0.015	0.04, 0.08, 0.015	0.04, 0.08, 0.015	0.04, 0.08, 0.015	0.04, 0.08, 0.015	0.04, 0.08, 0.015
Power	3HP	3HP	3HP	3HP	3HP	3HP
HEAD TILT	90 DEG FORWARD & BACK, LEFT & RIGHT					
MACHINE WEIGHT	1200	1200	1300	1300	1300	1400

STANDARD ACCESSORIES



Dro 2 Axis with Scale

Milling Vise

Coolant System

Collet Set R8 - 11 pcs

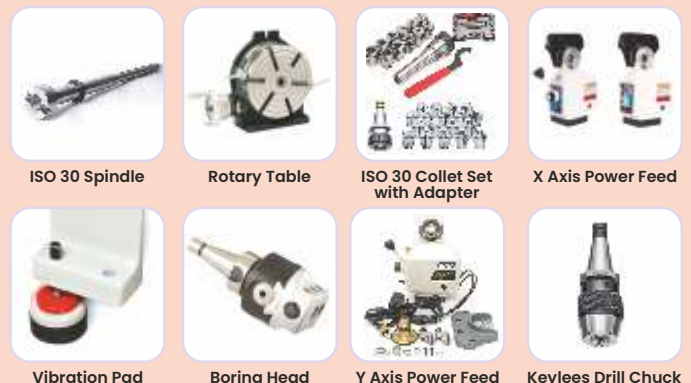
Clamping Kit 58 pcs

Rubber Chip Cover Set

Draw Bar

Machine Lamp

OPTIONAL ACCESSORIES



ISO 30 Spindle

Rotary Table

ISO 30 Collet Set with Adapter

X Axis Power Feed

Vibration Pad

Boring Head

Y Axis Power Feed

Keyless Drill Chuck

INDIAN MECHANICAL RADIAL DRILLING MACHINE

Indian Mechanical Radial Drilling



MODEL	25 MM	32MM	40 MM AUTO FEED
DRILLI CAPACITY IN MILD STEEL	25	40	40
TAPPING CAPACITY	20	32	32
NO.OF SPINDLE SPEED	90-2600 4+4=8	50-1735 4+4=8	50-1735 4+4=8
WORKING AREA OF BASE	725*600	870*760	870*760
DIA OF COLUMN	127	165	165
DIA OF RAM	72	78	78
SPINDLE TRAVEL	225	260	260
SPINDLE NOSE	M.T.3	M.T.4	M.T.4
MAX.MIN DISTANCE SPINDLE NOSE TO BASE	750-175	925-230	925-230
MAX DISTANCE SPINDLE NOSE TO TABLE	570	620	260
MAX DISTANCE SPINDLE CENTER TO COLUMN	665-270	875-360	875-360
SIZE OF BOX TABLE	205*205*285	305*305*380	305*305*380
SIZE OF BASE L*W*H	600*1000*150	760*1290*190	760*1290*190
OVERALL HEIGHT OF MACHINE	1420	2000	2000
SPINDLE FEED BY	HAND.STAR LEVER & WORM	HAND.STAR LEVER & WORM	HAND AUTO
DRILL HEAD MOTOR	1HP 1440 RPM	1.5HP960RPM	1.5HP960RPM
LIFTING MOTOR	0.5HP1440RPM	0.5HP1440RPM	0.5HP1440RPM
NET WEIGHT	485KGS	900KGS	900KGS
V-BELT	B-40	B-47	B-47
LIFTING V-BELT	A-20	A-23	A-23

IMPORTED MECHANICAL AND HYDRAULIC RADIAL DRILLING MACHINE

Imported Mechanical Radial Drilling



MODEL	KEN 40 X 1300
DRILLING DIAMETER	40 MM
SPINDEL END TO TABLE DISTANCE	430-1210 MM
SPINDLE CENTER TO COLUMN	300-1100 MM
SPINDLE TRAVEL/TAPER	220/MT-4
SPINDLE SPEED RANGE/STEPS	75-1220/12
SPINDLE FEED RANGE/STEPS	0.10 0.15 0.25/3
COLUMN DIAMETER	230 MM
MAIN MOTOR	2.2 KW
LIFTING MOTOR	1.1 KW
GROSS WEIGHT	1500 KG
DIMENSION	1830 X 780 X 2350
COLUMN TYPE	DOUBLE
CLAMPING	MECHANICAL

Imported Hydraulic Radial Drilling Machine



MODEL	KEN 50 X 1600	KEN 50 X 1600 HYDRAULIC
DRILLING DIAMETER	50 MM	60 MM
SPINDEL END TO TABLE DISTANCE	260-1150 MM	320-1220 MM
SPINDLE CENTER TO COLUMN	360-1600 MM	350-1600 MM
SPINDLE TRAVEL/TAPER	220-MT-5	315/MT-5
SPINDLE SPEED RANGE/STEPS	78-1100/6	25-2000/16
SPINDLE FEED RANGE/STEPS	0.10-0.56/60.	0.04-3.2/16
COLUMN DIAMETER	280 MM	350 MM
MAIN MOTOR	1.5 KW	1.5 KW
LIFTING MOTOR	1.5 KW	1.5 KW
GROSS WEIGHT	2100 KG	3650 KG
DIMENSION	2170 X 950 X 2450	2600 X 1120 X 2600
COLUMN TYPE	DOUBLE	DOUBLE
CLAMPING	MECHANICAL	HYDRAULIC
HYDRAULIC ARM LOCKING		
HYDRAULIC GEAR SHIFTING		

LATHE MACHINE

Indian Medium Duty Lathe Machine



MODEL	KENFORD GH-5 FEET	KENFORD GH-6 FEET	KENFORD PRO 6 FEET	KENFORD PRO-7 FEET
CENTER HEIGHT	215 MM	215 MM	250 MM	250 MM
BED WIDTH	225 MM	225 MM	275 MM	275 MM
SWING OVER BED	425 MM	425 MM	450 MM	450 MM
SWING OVER CROSS SLIDE	260 MM	260 MM	260 MM	260 MM
ADMIT CENTER	450 MM	900 MM	900 MM	1200 MM
MOVEMENT OF CROSS SLIDE	250 MM	250 MM	250 MM	250 MM
SWING IN GAP	620 MM	620 MM	620 MM	620 MM
SPINDLE BORE	50 MM	54 MM	80 MM	80 MM
BED TYPE	2V & 2 FLAT	2V & 2 FLAT	2V & 2 FLAT	2V & 2 FLAT
SPINDLE NOSE & THREADED	75 MM/6TPI	75 MM/6TPI	75 MM/6TPI	75 MM/6TPI
TAIL STOCK SPINDLE TRAVEL	150 MM	150 MM	150 MM	150 MM
TAIL STOCK SPINDLE DIA	50.8MM/MT4	50.8MM/MT4	50.8MM/MT4	50.8MM/MT4
WEIGHT	700 KG	850 KG	950 KG	1300 KG

Indian Heavy Duty Lathe Machine



MODEL	KENFORD GH-7 FEET	KENFORD GH-9 FEET	KENFORD GH-12 FEET	KENFORD GH-14 FEET
CENTER HEIGHT	300 MM	300 MM	300 MM	300 MM
BED WIDTH	325 MM	325 MM	325 MM	325 MM
SWING OVER BED	490 MM	490 MM	490 MM	490 MM
SWING OVER CROSS SLIDE	290 MM	290 MM	290 MM	290 MM
ADMIT CENTER	1000 MM	1550 MM	2450 MM	3050 MM
MOVEMENT OF CROSS SLIDE	300 MM	300 MM	300 MM	300 MM
SWING IN GAP	800 MM	800 MM	800 MM	800 MM
SPINDLE BORE	80 MM	80 MM	80 MM	80 MM
BED TYPE	2V & 2 FLAT	2V & 2 FLAT	2V & 2 FLAT	2V & 2 FLAT
SPINDLE NOSE & THREADED	75 MM/6TPI	75 MM/6TPI	75 MM/6TPI	75 MM/6TPI
TAIL STOCK SPINDLE TRAVEL	190 MM	190 MM	190 MM	190 MM
TAIL STOCK SPINDLE TRAVEL	57.15 MM/MT4	57.15 MM/MT4	57.15 MM/MT4	57.15 MM/MT4

Imported Precision All Geared Lathe



MODEL	KENFORD 6241/1000	KENFORD 6241/1500
CENTER HEIGHT	205 MM	205 MM
BED WIDTH	250 MM	250 MM
SWING OVER BED	410 MM	410 MM
SWING OVER CROSS SLIDE	255 MM	255 MM
ADMITS BETWEEN CENTER	1000MM	1500 MM
MOVEMENT OF CROSS SLIDE		
SWING IN GAP	580 MM	580 MM
SPINDLE BORE	52 MM	52 MM
TAPER OF SPINDLE NOSE	MT-6	MT-6
SPINDLE SPEED	16/45-1800 RPM	16/45-1800 RPM
LONGITUDINAL FEEDS	0.05-1.7 MM/REV	0.05-1.7 MM/REV
CROSS FEED	0.025-0.85 MM/REV	0.025-0.85 MM/REV
METRIC THREADS	39/0.2-14 MM	39/0.2-14 MM
IMPERIAL THREAD	45/2-72 TPI	45/2-72 TPI
DIAMETRICAL THREAD	21/8-44 DP	21/8-44 DP
MODULE THRED	18/0.3-3.5 MP	18/0.3-3.5 MP
TAIL STOCK QUILL DIAMETER	50 MM	50 MM
TAIL STOCK QUILL TRAVEL	120 MM	120 MM
TAIL QUILL TAPER	MT-4	MT-4
MAIN MOTOR POWER	2.2/3.3 KW (3/4.5HP)3PH	2.2/3.3 KW (3/4.5HP)3PH

SURFACE GRINDER

MANUAL SURFACE GRINDER

Manual Surface Grinder



MODEL	KENFORD-9*14	KENFORD-10*20	KENFORD-12*24	KENFORD-15*30
WORKING SURFACE TABLE	225 x 350 MM	250 x 500 MM	300 x 600 MM	375 x 750 MM
MAX HEIGHT FROM THE TABLE TO GRINDING WHEEL	225 MM	250 MM	300 MM	375 MM
VERTICAL FEED GRADUATION	0.01 MM	0.01 MM	0.01 MM	0.01 MM
VERTICAL FEED GRADUATION WITH MICRO FEED	0.002 MM	0.002 MM	0.002 MM	0.002 MM
CROSS FEED GRADUATION	0.05 MM	0.05 MM	0.05 MM	0.05 MM
SPINDLSPEED	2800 RPM	2800 RPM	2800 RPM	2800 RPM
GRINDING WHEEL SIZE (DIA*WIDTH*BORE)	200 x 13 x 31.75 MM	200 x 13 x 31.75 MM	200 x 13 x 31.75 MM	200 x 13 x 31.75 MM
MAGNETIC CHUCK	200 x 300 MM	200 x 450 MM	250 x 500 MM	300 x 600 MM
DIAMOND DRESSOR	0.5 CR	0.5 CR	0.5 CR	0.5 CR
ELECTRICAL MOTOR KW/HP	0.75 KW/1HP	0.75 KW/1HP	1.5 HP	1.5 HP

IMPORTED MANUAL SURFACE GRINDER

Imported Manual Surface Grinder



MODEL	KEN M618A	KEN M230	KEN M7125	KEN M3060A
GRINDING CAP L*W*H*	450*150*280 MM	400*230*330 MM	500*230*330 MM	600*300*300 MM
LONGITUDINAL TABLE TRAVEL	470 MM	500 MM	520 MM	620 MM
CROSS TABLE TRAVEL	178 MM	250 MM	270 MM	325 MM
MAX. DISTANCE FROM SPINDLE TO WORK TABLE	370 MM	430 MM	430 MM	400 MM
SAFETY LOAD OF BENCH (IN MAX)	80 KG	100 KG	100 KG	150 KG
TABLE SIZE	450*150MM	450*230 MM	500*250 MM	600*300 MM
T-SLOT	1*12 MM	1*12 MM	1*12 MM	1*14 MM
DXWXD	180*13*32	200*16*32 MM	200*16*32 MM	200*16*32 MM
SPINDLE SPEED	2850R/MIN	2850R/MIN	2850R/MIN	2850R/MIN
SPINDLE MOTOR	1.1 KW	1.1 KW	1.1 KW	1.5 KW
OVERALL DIMENSION L*W*H	1100*1180*1950 MM	1150*1040*1900 MM	1260*1190*1660 MM	1870*1200*1840 MM

IMPORTED HYDRAULIC SURFACE GRINDER

Imported Hydraulic Surface Grinder



MODEL	KEN 7140	KEN 7163*1250
WORKING TABLE SIZE	400*1000 MM	630*1250 MM
MAX.LONGITUDINAL MOVEMENT OF THE TABLE	1100 MM	1350 MM
MAX. GRINDING SIZE(L*W*H*)	1000*400*400 MM	
WORKING TABLE BEARING CAPACITY	450 KG	
WHEEL SHAFT CENTER TO THE WORKING TABLE	570 MM	
MAX. DISTANCE FROM TABLE TO SPINDLE CENTER		800 MM
GRINDING HEAD CROSSWISE TRAVEL (MANUAL/ HYDRAULIC)	450 MM	700 MM
GRINDING HEAD VERTICAL TRAVEL (MANUAL)	400 MM	600 MM
GRINDING WHEEL SHAFT SPEED	1440 RPM	
QUICK LIFT MOTOR SPEED	1440R/MIN	1440 R/MIN
GRINDING WHEEL SIZE	350*127*40 MM	400*127*40 MM
VERTICAL FEED HAND WHEEL DIAL VALUE	0.01 MM	0.01 MM PER GRADUTATION
HANDWHEEL FEED PER GRINDING HEAD	1 MM	0.1 MM PER REVOLUTION
SPINDLE POWER	7.5 KW	7.5 KW
OIL PUMP MOTOR	3 KW	5.5 KW
WORKING PRECISION	0.015/1000MM	
SURFACE ROUGHNESS	Ra 0.63 UM	Ra 0.63 UM
MOTOR POWER		14 kw
MACHINE WEIGHT	4600 KG	6500 KG
MACHINE SIZE	2800*1750*2350 MM	4200*2700*2800

PRECISION BENCH DRILLING MACHINE

Drilling Machine For Tool Room



MODEL	KEN 13	KEN HD16	KEN LD20	KEN HD 25	KEN 32	KEN 40
DRILLING IN STEEL	13MM	16MM	20MM	25MM	32MM	40MM
DIST.FROM SPINDLE CENTER TO PILLAR SURFACE	154MM	154MM	206MM	206MM	254 MM	299 MM
TABLE TRAVEL	87MM	112MM	120MM	130MM	250MM	280MM
TAPER IN SPINDLE		MT2	MT2	MT3	MT4	MT4
TAPPING IN STEEL			15	20		
DRILLING IN CASTING	13	20	20	28	32	40
TAPING IN CASTING						
SPINDLE TAPER	JT-6	MT-2	MT-2	MT-3	MT4	MT4
SPINDLE TRAVEL	87	112	85	175	165	254
PILLER DIA	47	60	74	87	88.5	112.5
PILLER LENGTH	650	762	1016	1220	1200	1525
DISTANCE FROM SPINDLE CENTER TO COLUMN FRONT	150	150	175	230	254	299
MAX. DISTANCE FROM SPINDLE TO BASE	414	560	785	1060		
MAX. DISTANCE FROM SPINDLE TO TABLE	300MM	400MM	380MM	600MM	603 MM	590 MM
BASE WORKING SURFACE	175	190 X 195	225 X 250	280 X 350		
SPEED MIN/MAX	300-2800	300-2800	85-2800	85-2800	70-2600	55-1500
SPINDLE SPEED	4	4	8	8	8	8
FEEDS	MANUAL	MANUAL	MANUAL	MANUAL		
TABLE DIAMETER (ROUND)	225	300	325	400		
TABLE DIAMETER (SQUARE)				375 X 375		
POWER DRILLING MOTOR	½ HP	1HP	1 HP	2 HP	2 HP	2.5 HP
TABLE SIZE IN DIAMETER					387MM	465MM
WEIGHT (APX)	38 KG	75KG	100 KG	210 KG	155 KG	285 KG
TABLE SIZE					310*355MM	483*750MM
OVERALL HEIGHT WT PULLY GUARD					1728	1880
V-BELT SECTION	A	A	A	B	B-52	B-62

Drilling Cum Tapping Machine



Tapping Machine

DRILLING CUM TAPPING

MODEL	KEN HDT-20
DRILLING IN STEEL	20
TAPPING IN STEEL	15
DRILLING IN CASTING	23
TAPING IN CASTING	20
SPINDLE TAPER	MT-2
SPINDLE TRAVE	125
PILLER DIA	74
PILLER LENGTH	1016
DISTANCE FROM SPINDLE CENTER TO COLUMN FRONT	206
MAX. DISTANCE FROM SPINDLE TO BASE	785
MAX. DISTANCE FROM SPINDLE TO TABLE	380
BASE WORKING SURFACE	234*280
SPEED MIN/MAX	85-2800
SPINDLE SPEED	8
FEEDS	MANUAL
TABLE DIAMETER (ROUND)	325
TABLE DIAMETER (SQUARE)	275*275
POWER DRILLING MOTOR	1HP
WEIGHT (APX)	130 KG
V-BELT SECTION	A

TAPPING MACHINE

MODEL	KEN-HD
TAPPING IN SHEET METAL	6
TAPPING IN BRASS & ALUMINUM	9
SPINDLE TAPER	2JT
SPINDLE TRAVEL	52
PILLER DIA	47
PILLER LENGTH	610
DISTANCE BETWEEN CENTER OF SPINDLE & PILLER FRONT	105
MAX. DISTANCE FROM SPINDLE TO TABLE	245
BASE WORKING SURFACE	250*380
SPEED MIN/MAX	525*1350
SPINDLE SPEED	4
FEEDS	MANUAL
TABLE DIAMETER (SQUARE)	155*155
POWER DRILLING MOTOR	1/2HP
WEIGHT (APX)	45 KG
V-BELT SECTION	A

Electric Tapping Machines



Standard Accessories:

- Operation via touch screen
- Digital drill depth indication
- Quick release tool holder
- Quick change chuck
- Electric motor
- 90° angle adjustment
- Mounting flange

ELECTRIC TAPPING MACHINE

MODEL	M16	M24	-M36
TAP SIZE	M16	M24	M36
SPEED MAX PER MIN	312	200	100
MAX WORKING RADIUS(MM)	1100	1200	1200
QUICK CHANGE CHUCK NO	8	8	11
MOTOR POWER	600 W	1200 W	1200 W
REDUCER NO	16	25	50
VOLTAGE	220V	220V	220V
WEIGHT APPROX	32KGS	36KGS	51KGS

SMART MACHINERY & SPARES

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