



MODEL

200-500 | 300-500 | 400-500
 200-800 | 300-800 | 400-800
 200-1000 | 300-1000 | 400-1000
 200-1250 | 300-1250 | 400-1250
 300-1500 | 400-1500
 300-1800 | 400-1800
 300-2500 | 400-2500

CAPACITY	200/500	300/500	400/500	200/800	300/800	400/800	200/1000	300/1000	400/1000
SWING OVER BED	500	600	700	500	600	700	500	600	700
MAXIMUM TURNING LENGTH	500	500	500	800	800	800	1000	1000	1000
MAXIMUM DIA. BETWEEN CENTER	300	400	500	300	400	500	300	400	500
DISTANCE BETWEEN CENTER	500	500	500	800	800	800	1000	1000	1000
STANDARD TURNING DIA.	200	300	400	200	300	400	200	300	400
CHUCK SIZE	200	300	400	200	300	400	200	300	400
MAX. TURNING DIA.	300	400	500	300	400	500	300	400	500
X-AXIS TRAVEL	175	225	275	175	225	275	175	225	275
Z-AXIS TRAVEL	500	500	500	800	800	800	1000	1000	1000
Y AXIS TRAVEL - OPTIONAL (±)	±50	±50	±50	±50	±50	±50	±50	±50	±50
RAPID TRANSVERSE (X & Y - AXIS)	20	20	20	20	20	20	20	20	20
RAPID TRANSVERSE (Z-AXIS)	20	20	20	20	20	20	20	20	20
SLIDE									
X AXIS BALL SCREW	32 X 10	40 X 10	40 X 10	32 X 10	40 X 10	40 X 10	32 X 10	40 X 10	40 X 10
Z AXIS BALL SCREW	32 X 10	40 X 10	40 X 10	32 X 10	40 X 10	40 X 10	32 X 10	40 X 10	40 X 10
MOTOR TORQUE (Z axis)	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM
MOTOR TORQUE (X axis)	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM
Y AXIS BALL SCREW - OPTIONAL	32 X 10	32 X 10	40 X 10	32 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10
MOTOR TORQUE (Y axis) OPTIONAL	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM
MAIN SPINDLE									
SPINDLE MOTOR : Fanuc	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11
Siemens	12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16	12/16
SPINDLE BORE	55 (65)	75 (85)	75 (85)	55 (65)	75 (85)	75 (85)	55 (65)	75 (85)	75 (85)
SPINDLE NOSE	A2-6	A2-8	A2-8	A2-6	A2-8	A2-8	A2-6	A2-8	A2-8
MAXIMUM BAR CAPACITY	42 (52)	60 (75)	60 (75)	42 (52)	60 (75)	60 (75)	42 (52)	60 (75)	60 (75)
SPINDLE SPEED RANGE	50-3000	50-2500	50-1800	50-3000	50-2500	50-1800	50-3000	50-2500	50-1800
FUL POWER SPEED RANGE	750-2250	500-1500	500-1500	500-1500	500-1500	500-1500	750-2250	500-1500	500-1500
TURRET									
NUMBER OF STATION	12	12	12	12	12	12	12	12	12
MAX. BORING BAR DIA.	40	40	40	40	40	40	40	40	40
TOOL SIZE (CROSS SECTION)	25 X 25	25 X 25	25 X 25	25 X 25	25 X 25	25 X 25	25 X 25	25 X 25	25 X 25
TOOL SPEED - RPM	4000	3000	3000	4000	3000	3000	4000	3000	3000
LIVE TOOL MOTOR (kw)	3	4.7	4.7	3	4.7	4.7	3	4.7	4.7
TAIL STROCK									
QUILL DIA.	85	85	85	85	85	85	85	85	85
QUILL STROKE	120	120	120	120	120	120	120	120	120
THRUST (ADJUSTABLE) KGF	500	500	500	500	500	500	500	500	500
OTHERS									
WEIGHT	3800	4000	4100	4500	4700	4800	5000	5200	5300
POSITIONING ACCURACY (MICRON)	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
REPEATABILITY (MICRON)	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005

* BOX GUIDE WAY RAPID 20m/Min.

NOTE : Specification Subject to Change without Prior Notice.

HICUT Turnmill Series

CNC Turning Center



CAPACITY	200/1250	300/1250	400/1250	300/1500	400/1500	300/1800	400/1800	300/2500	400/2500
SWING OVER BED	500	600	700	600	700	600	700	600	700
MAXIMUM TURNING LENGTH	1250	1250	1250	1500	1500	1800	1800	2400	2400
MAXIMUM DIA. BETWEEN CENTER	300	400	500	400	500	400	500	400	500
DISTANCE BETWEEN CENTER	1250	1250	1250	1500	1500	1800	1800	2500	2500
STANDARD TURNING DIA.	200	300	400	300	400	300	400	300	400
CHUCK SIZE	200	300	400	300	400	300	400	300	400
MAX. TURNING DIA.	300	400	500	400	500	400	500	400	500
X-AXIS TRAVEL	175	225	275	225	275	225	275	225	275
Z-AXIS TRAVEL	1250	1250	1250	1500	1500	1800	1800	2500	2500
Y AXIS TRAVEL - OPTIONAL (±)	±50	±50	±50	±60	±60	±60	±60	±70	±70
RAPID TRANSVERSE (X & Y - AXIS)	20	20	20	20	20	20	20	20	20
RAPID TRANSVERSE (Z-AXIS)	20	20	20	15	15	15	15	15	15
SLIDE									
X AXIS BALL SCREW	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10
Z AXIS BALL SCREW	32 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	50 X 10	50 X 10
MOTOR TORQUE (Z axis)	11NM	11NM	11NM	20NM	20NM	20NM	20NM	20NM	20NM
MOTOR TORQUE (X axis)	11NM	11NM	11NM	16NM	16NM	16NM	16NM	16NM	16NM
Y AXIS BALL SCREW - OPTIONAL	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10
MOTOR TORQUE (Y axis) OPTIONAL	11NM	11NM	11NM	16NM	16NM	16NM	16NM	16NM	16NM
MAIN SPINDLE									
SPINDLE MOTOR : Fanuc	15/11	15/11	15/11	18/15	18/15	18/15	18/15	22/18	22/18
Siemens	12/16	12/16	12/16	18/15	18/15	18/15	18/15	22/18	22/18
SPINDLE BORE	55 (65)	75 (85)	75 (85)	75 (85)	110	75 (85)	110	75 (85)	110
SPINDLE NOSE	A2-6	A2-8	A2-8	A2-8	A2-11	A2-8	A2-11	A2-11	A2-11
MAXIMUM BAR CAPACITY	42 (52)	60 (75)	60 (75)	60 (75)	95	60 (75)	95	60 (75)	95
SPINDLE SPEED RANGE	50-3000	50-2500	50-1800	50-2500	50-2000	50-2500	50-2000	50-2000	50-2000
FUL POWER SPEED RANGE	750-2250	500-1500	500-1500	500-1500	400-1200	500-1500	400-1200	400-1200	400-1200
TURRET									
NUMBER OF STATION	12	12	12	12	12	12	12	12	12
MAX. BORING BAR DIA.	40	40	40	40	50	40	50	50	50
TOOL SIZE (CROSS SECTION)	25 X 25	25 X 25	25 X 25	25 X 25	32 X 32	25 X 25	32 X 32	32 X 32	32 X 32
TOOL SPEED - RPM	4000	3000	3000	3000	3000	3000	3000	3000	3000
LIVE TOOL MOTOR (kw)	3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
TAIL STROCK									
QUILL DIA.	85	85	85	85	85	130	130	130	130
QUILL STROKE	120	120	120	120	120	100	100	100	100
THRUST (ADJUSTABLE) KGF	500	500	500	500	500	500	500	500	500
OTHERS									
WEIGHT	5500	5700	5800	6600	6500	7500	8000	10000	11000
POSITIONING ACCURACY (MICRON)	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
REPEATABILITY (MICRON)	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005