



## 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  
 400-2000 | 300-2500  
 400-3000 | 500-3000  
 400-3500 | 700-3500  
 500-4000 | 700-4000

CAPACITY	200/500	300/500	400/500	200/800	300/800	400/800	200/1000	300/1000	400/1000	200/1250	300/1250	400/1250
SWING OVER BED	500	600	700	500	600	700	500	600	700	500	600	700
MAXIMUM TURNING LENGTH	500	500	500	800	800	800	1000	1000	1000	1250	1250	1250
MAXIMUM DIA. BETWEEN CENTER	300	400	500	300	400	500	300	400	500	300	400	500
DISTANCE BETWEEN CENTER	500	500	500	800	800	800	1000	1000	1000	1250	1250	1250
STANDARD TURNING DIA.	200	300	400	200	300	400	200	300	400	200	300	400
CHUCK SIZE	200	300	400	200	300	400	200	300	400	200	300	400
MAX. TURNING DIA.	300	400	500	300	400	500	300	400	500	300	400	500
X-AXIS TRAVEL	175	225	275	175	225	275	175	225	275	175	225	275
Z-AXIS TRAVEL	500	500	500	800	800	800	1000	1000	1000	1250	1250	1250
RAPID TRANSVERSE (X & Y - AXIS)	20	20	20	20	20	20	20	20	20	20	20	20
RAPID TRANSVERSE (Z-AXIS)	20	20	20	20	20	20	20	20	20	20	20	20
<b>SLIDE</b>												
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	40 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	32 X 10	40 X 10	40 X 10
MOTOR TORQUE (Z axis)	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM
MOTOR TORQUE (X axis)	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM	11NM
<b>MAIN SPINDLE</b>												
SPINDLE MOTOR (Fanuc)	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11	15/11
SPINDLE MOTOR (Siemens)	12/16	12/16	12/16	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)	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	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)	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	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	750-2250	500-1500	500-1500
<b>TURRET</b>												
	BTP-80	BTP-100	BTP-100	BTP-80	BTP-100	BTP-100	BTP-80	BTP-100	BTP-100	BTP-80	BTP-100	BTP-100
NUMBER OF STATION	8	8	8	8	8	8	8	8	8	8	8	8
MAX. BORING BAR DIA.	40	40	40	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	25 X 25	25 X 25	25 X 25
<b>TAIL STOCK</b>												
QUILL DIA.	85	85	85	85	85	85	85	85	85	85	85	85
QUILL STROKE	120	120	120	120	120	120	120	120	120	120	120	120
THRUST (ADJUSTABLE) KGF	500	500	500	500	500	500	500	500	500	500	500	500
<b>OTHERS</b>												
WEIGHT	3800	4000	4100	4500	4700	4800	5000	5200	5300	5500	5700	5800
POSITIONING ACCURACY (MICRON)	±0.010	±0.010	±0.010	±0.010	±0.010	±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	±0.005	±0.005	±0.005

\* BOX GUIDE WAY RAPID 20m/Min.

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# HICUT Series

CNC Turning Center



CAPACITY	300/1500	400/1500	300/1800	400/1800	400/2000	400/2500	400/3000	500/3000	500/3500	700/3500	500/4000	700/4000
SWING OVER BED	600	700	600	700	700	700	700	800	800	1000	800	1000
MAXIMUM TURNING LENGTH	1500	1500	1800	1800	2000	2400	2950	2950	3450	3450	3950	3950
MAXIMUM DIA. BETWEEN CENTER	400	500	400	500	340	500	380	380	380	410	380	410
DISTANCE BETWEEN CENTER	1500	1500	1800	1800	2000	2500	3000	3000	3500	3500	3500	3500
STANDARD TURNING DIA.	300	400	300	400	400	400	400	500	500	700	500	700
CHUCK SIZE	300	400	300	400	400	400	400	530	530	530	530	530
MAX. TURNING DIA.	400	500	400	500	500	500	500	650	650	900	650	900
X-AXIS TRAVEL	225	275	225	275	275	275	275	350	350	475	350	475
Z-AXIS TRAVEL	1500	1500	1800	1800	2010	2500	3000	3000	3500	3500	4000	4000
RAPID TRANSVERSE (X & Y - AXIS)	20	20	20	20	20	20	15	15	15	15	15	15
RAPID TRANSVERSE (Z-AXIS)	15	15	15	15	15	15	10	10	8	8	8	8
<b>SLIDE</b>												
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	40 X 10	40 X 10	40 X 10
Z AXIS BALL SCREW	40 X 10	40 X 10	40 X 10	40 X 10	40 X 10	50 X 10	50 X 10	50 X 10	63 X 10	63 X 10	63 X 10	63 X 10
MOTOR TORQUE (Z axis)	20NM	20NM	20NM	20NM	20NM	20NM	20NM	20NM	20NM	20NM	20NM	20NM
MOTOR TORQUE (X axis)	11NM	11NM	11NM	11NM	11NM	16NM	20NM	20NM	20NM	20NM	20NM	20NM
<b>MAIN SPINDLE</b>												
SPINDLE MOTOR (Fanuc)	15/11	15/11	15/11	15/11	18/15	22/18	22/18	22/18	22/26	22/26	22/26	22/26
SPINDLE MOTOR (Siemens)	18/15	18/15	18/15	18/15	18/15	22/18	22/18	22/18	22/26	22/26	22/26	22/26
SPINDLE BORE	75 (85)	75 (85)	75 (85)	75 (85)	110	110	110	110	110	110	110	110
SPINDLE NOSE	A2-8	A2-8	A2-8	A2-8	A2-11	A2-11	A2-11	A2-11	A2-11	A2-11	A2-11	A2-11
MAXIMUM BAR CAPACITY	60 (75)	60 (75)	60 (75)	60 (75)	90	90	90	90	90	90	90	90
SPINDLE SPEED RANGE	50-2500	50-2000	50-2500	50-2000	50-2000	50-2000	50-2000	50-1200	50-1200	50-1200	50-1200	50-1200
FUL POWER SPEED RANGE	500-1500	400-1200	500-1500	400-1200	400-1200	400-1200	400-1200	300-1000	300-1000	300-1000	300-1000	300-1000
<b>TURRET</b>												
	BTP-100	BTP-100	BTP-100	BTP-125	BTP-125	BTP-125	BTP-125	BTP-125	BTP-125	BTP-160	BTP-160	BTP-160
NUMBER OF STATION	8	8	8	8	8	8	8	8	8	8	8	8
MAX. BORING BAR DIA.	40	40	40	40	50	50	50	50	50	60	60	60
TOOL SIZE (CROSS SECTION)	25 X 25	25 X 25	25 X 25	25 X 25	32 X 32	32 X 32	32 X 32	32 X 32	32 X 32	32 X 32	32 X 32	32 X 32
<b>TAIL STOCK</b>												
QUILL DIA.	85	85	130	130	130	130	130	130	130	170	170	170
QUILL STROKE	120	120	120	120	120	120	120	120	120	120	120	120
THRUST (ADJUSTABLE) KGF	500	500	500	500	500	500	500	500	500	1000	1000	1000
<b>OTHERS</b>												
WEIGHT	6600	6500	7500	8000	9000	11000	12500	12900	14000	15500	16000	17000
POSITIONING ACCURACY (MICRON)	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.012	±0.012	±0.012	±0.012	±0.012	±0.012
REPEATABILITY (MICRON)	±0.005	±0.005	±0.005	±0.005	±0.005	±0.005	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01

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