

# VTL Quill Series

Vertical Turning Lathe



## VTL - QUILL

800-600 | 800-800 | 1000 | 1250 | 1500 | 1850

CAPACITY	800/600	800/800	1000	1250	1500	1850
MAX. SWING DIA.	1050	1050	1250	1500	1800	2500
MAXIMUM BORING LENGTH	600	800	925	925	1200	1200
MAXIMUM CUTTING HEIGHT (Optional)	600	800	925	925	1200(1600)	1200(1600)
DAYLIGHT (Optional)	650	850	1000	1000	1280(1600)	1280(1600)
STANDARD TURNING DIA.	600	600	800	1250	1500	2000
CHUCK SIZE / FACEPLATE	530/800	530/800	600/1000	800/1254	NA/1500	NA/2000
MAX. TURNING DIA.	800	800	1000	1250	1500	2000
X-AXIS TRAVEL	450	450	600	700	850	1350
Z-AXIS TRAVEL	600	800	925	925	1200	1200
CROSS SLIDE TRAVEL (Optional)	-	-	-	-	(700)	(700)
RAPID TRANSVERSE X-AXIS (M/MIN)	10	10	7	7	5	5
RAPID TRANSVERSE Z-AXIS (M/MIN)	10	10	7	7	5	5
<b>SLIDE</b>						
X AXIS GUIDEWAY	BOX	BOX	BOX	BOX	BOX	BOX
Z AXIS GUIDEWAY	OCTA SHAPE OCTA SHAPE OCTA SHAPE OCTA SHAPE OCTA SHAPE OCTA SHAPE					
<b>MAIN SPINDLE</b>						
SPINDLE MOTOR (Optional)	22/26	22/26	22/26	30	30	55 (100)
SPINDLE BORE	100	100	110	110	110	110
SPINDLE NOSE	A2-11	A2-11	A2-15	A2-15	A2-15	FLAT
SPINDLE SPEED RANGE	50-550	50-550	50-400	50-350	25-200	5-100
FUL POWER SPEED RANGE	200-500	200-500	100-400	75-350	25-200	5-100
<b>ATC BT-50</b>						
NUMBER OF STATION	8	8	8	8	8	8
MAX. BORING BAR DIA.	40	50	50	50	50	50
TOOL SIZE (CROSS SECTION)	25 X 25	25 X 25	32 X 32	32 X 32	32 X 32	32 X 32
<b>OTHERS</b>						
WEIGHT	6800	8000	11000	12500	15000	20000
POSITIONING ACCURACY (MICRON)	± 0.01	± 0.01	± 0.01	± 0.015	± 0.015	± 0.015
REPEATABILITY (MICRON)	± 0.01	± 0.01	± 0.01	± 0.015	± 0.012	± 0.015

### CONTROL SYSTEM FEATURES:

- Manual Data Input
- 2 Axis simultaneous
- Part Program Storage and Editing
- Constant Surface Speed Control
- Tool nose radius Compensation
- Feed rate override
- Circular Interpolation
- Threaded Cutting Cycle
- Direct drawing dimensions programming
- Absolute / Incremental programming
- RS-232 serial interface port
- Backlash compensation
- Graphic Simulation
- Electronic hand wheel
- Run hour display
- LCD display
- Self diagnostick
- USB Port

### OPTIONAL :

- Automatic Tool Changer - ATC
- 4 Jaw / 6 Jaw Power Chuck
- Automatic Pallet Changer
- Auto Loading / Unloading System
- Tools Setting Probe
- Spindle Gear Box
- Manual Chuck

NOTE : Specification Subject to Change without Prior Notice.