

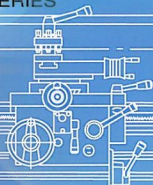


**PRECISION HIGH SPEED ENGINE LATHE  
PRECISION AC VARI SPEED LATHE  
1330 AND 1340 SERIES**

PRECISION ENGINE  
LATHE TE SERIES  
WITH CE MARK



PRECISION AC V.S LATHE  
TVS SERIES



THE LEADER IN QUALITY AND RELIABILITY

# MORTON®

## BED:

- ONE PIECE CASTING BASE
- MEEHANITE CASTING, VIBRATION STRESS RELIEVED
- INDUCTION HARDENED AND PRECISION GROUND BED WAYS
- PRECISION HAND SCRAPED REMOVABLE GAP
- FOOT BRAKE
- TURCITE B COATING BETWEEN THE BED AND CARRIAGE



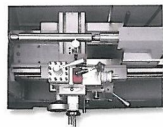
## UNIVERSAL GEAR BOX:

- OIL BATH LUBRICATION
- HEAT TREATED PRECISION GROUND GEARS
- INCH, METRIC, MODULE AND DIAMETRICAL THREADS



## APRON AND SADDLE:

- AUTOMATIC FEED AND THREADING, FULLY INTERLOCKED
- SADDLE AND TOP SLIDE LOCKING SYSTEM
- FORWARD-OFF-REVERSE LEVER
- 4 WAY TOOL POST
- T SLOT COMPOUND



## SPINDLE:

- SUPPORTED BY 2 PRECISION TAPER ROLLER BEARINGS AND ONE BALL BEARING
- DYNAMICALLY BALANCED, HARDENED AND PRECISION GROUND
- D1-4 SPINDLE NOSE
- 2-9/16" (40mm) DIA. SPINDLE BORE



## HEAD STOCK:

- TE SERIES-LUBRICATION SYSTEM OIL BATH
- TVS SERIES-PRESSURIZED LUBRICATION SYSTEM
- ALL GEARS CHROMIUM MOLYBDENUM, HEAT TREATED AND PRECISION GROUND

## DRIVE TVS:

- 3HP 4 POLE AC MOTOR
- AC INVERTER
- CONVENIENTLY LOCATED CONTROL PANEL
- DIGITAL RPM METER
- 100-500 RPM LOW RANGE
- 500-3000 RPM HIGH RANGE



# MORTON TURN

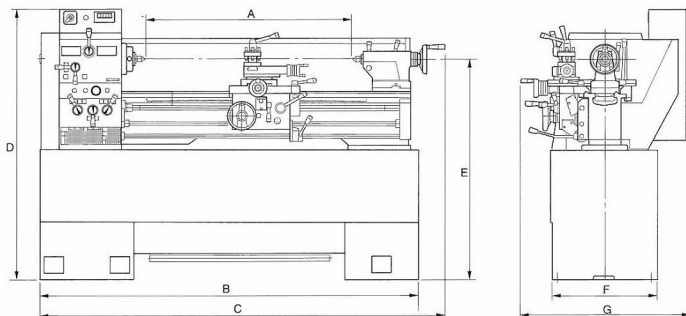
## PRECISION HIGH SPEED ENGINE LATHE

### PRECISION AC VARI SPEED LATHE

SPECIFICATIONS:	FCL-1330/1340TVS	FCL-1330/1340TE
SWING OVER BED	13" (340mm)	
SWING OVER CROSS SLIDE	8-1/4" (210mm)	
SWING IN GAP	20" (512mm)	
GAP IN FRONT OF FACE PLATE	6" (150mm)	
DISTANCE BETWEEN CENTERS	30"/40" (750mm/1000mm)	
BED WIDTH	9" (230mm)	
<b>SPINDEL</b>		
SPINDEL NOSE	D1-4	
SPINDEL BORE	1-9/16" (40mm)	
TAPER OF SPINDLE BORE	MT NO.5	
SPINDLE SPEEDS	Low-100-500 High-500-3000RPM	8steps-80-2000RPM
<b>TRAVEL</b>		
CROSS SLIDE	7" (180mm)	
COMPOUND SLIDE	4" (100mm)	
<b>THREADS AND FEEDS</b>		
INCH THREADS	45KINDS-2-72 TPI	
METRIC THREADS	39KINDS-0.2-14PITCH	
MODULE THREADS	18KINDS-0.3-3.5mm	
DIAMETRICAL THREADS	21KINDS-8-44mm	
LONGITUDINAL FEED	0.002-0.067IPR (0.01-0.17MPR)	
CROSS FEED	0.001-0.034IPR (0.005-0.085MPR)	
<b>TAIL STOCK</b>		
QUILL DIAMETER	2" (50mm)	
QUILL TRAVEL	4" (105mm)	
QUILL TAPER	MT NO.3	
<b>SPINDLE DRIVE MOTOR</b>	3HP(2.25kW)	
COOLANT SYSTEM	1/8HP(0.01kW)	
<b>WEIGHT</b>		
NET WEIGHT	3,200lb / 3,640lb	3,530lb / 3,750lb
GROSS WEIGHT(APPROX)	3,640lb / 3,970lb	3,970lb / 4,200lb

\*All specifications are subject to change without prior notice

## LATHE FOOTPRINT



MODEL \ SIZE	A	B	C	D	E	F	G
1330	30" (750mm)	71-1/2" (1816mm)	77" (1956mm)	50-3/4" (1290mm)	45-3/4" (1162mm)	19-3/4" (502mm)	31-7/8" (962mm)
1340	40" (1000mm)	81-1/2" (2070mm)	87" (2210mm)	50-4/8" (1290mm)	45-3/4" (1162mm)	19-3/4" (502mm)	31-7/8" (962mm)

### STANDARD ACCESSORIES

- 6" (160mm) 3 JAW SCROLL CHUCK
- 8" (200mm) 4 JAW INDEPENDENT CHUCK
- STEADY REST/ FOLLOW REST
- FULL LENGTH SPLASH GUARD
- COOLANT SYSTEM
- FACE PLATE
- 4 WAY TOOL HOLDER
- CENTERS/CENTER SLEEVE

### OPTIONAL ACCESSORIES

- 5C COLLET CLOSER
- TAPER ATTACHMENT
- QUICK CHANGE TOOL POST
- DIGITAL READOUT
- MICRO BED STOP
- HALOGEN WORKLIGHT
- LIVE CENTER MT#3-SKODA/TAIWAN
- INTERCHANGEABLE LIVE CENTER
- BULL NOSE LIVE CENTER MT#3



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