

# KENT INDUSTRIAL (USA) INC.



## QUICK SPECS:

- 7.5 HP, 40-Taper Spindle, 60-6000 RPM
- AC-Frequency Drive Inverter Head
- Can run on single or 3 phase power
- 12" x 50" Table
- 32" x 18.5" x 18.5" Travels
- Anilam 3300 3-axis CNC control

## TW-32QI ANILAM-3300 CNC Bed Mill

With Anilam 3300 Conversational CNC control (3-axis)  
With Programmable Spindle RPM and M-Function Option  
With Spindle override knob on control  
With Flux-vector AC-Frequency drive head  
With Auto lubrication system and Halogen work light  
With Flood coolant (programmable M8) and chip pan  
With Air powered draw bar unit

## ANILAM CNC OPTIONS:

Remote Start/Stop switch  
MPG Hand wheel (Manual Pulse Generator)  
Quill scale feedback with linked Z-axis compensation  
Off-line software (3300)  
Upgrade from 3300 to 5300 control  
Off-line software (5300)  
Upgrade from 3300 to 5300 control with 20 tool ATC  
Upgrade from 5300 to 5400 (4<sup>th</sup> axis) capability  
Rotary table and servo motor for 4<sup>th</sup> axis  
On site start up training option (2-day)

## MACHINE OPTIONS AND ACCESSORIES:

Valenite Tooling Package 1000  
6" Angle-Lock Vise  
8" Angle-Lock Vise  
12" Rotary Table (vertical and horizontal)  
440V power option

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## OUTSTANDING FEATURES:

- 7.5 HP spindle motor
- Programmable spindle rpm control
- Spindle rpm over-ride knob on control
- 60-6000 RPM without manual gear changes
- NST-40 or CAT-40 taper spindle available
- Enhanced flux-vector inverter on spindle drive
- Metal hand wheels on X-axis and Y-axis
- Full automatic CNC and manual/DRO mode capability
- Solid boxed ways on column and saddle ways
- Metal telescoping way cover on front Y-axis
- Auto lubrication unit with metered check valves
- Flood coolant with splash guard and chip pan
- Built-in coolant reservoir in machine base
- Overhead arm mounting of CNC control
- Halogen work light built-in for convenience
- DRO mode for manual machining capability
- Large 1.25" diameter precision ground ball screws
- Manual quill capability for greater flexibility

## OUR AC-FREQUENCY DRIVE:

New generation super high torque Flux-Vector AC-Frequency drive provides more torque and higher response at the entire frequency spectrum. Each drive is individually tuned to the machine for maximum performance. Our AC-freq drive is made in the USA.

Spindle RPM is controlled electronically without the wearing mechanical vari-disc and sliding bushings found typically on standard variable speed heads. This makes the milling head run smoother and quieter with less maintenance issues over the life of the machine.

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## GENERAL SPECIFICATIONS: TW-32QI

MACHINE CAPACITY	Table size	12" x 50"
	Table travel (X-axis)	34" (32" w/ control)
	Saddle travel (Y-axis)	20" (18.5" w/ control)
	Column travel (Z-axis)	20" (18.5" w/ control)
	Spindle center to column	20"
	Spindle to table	4" to 24"
	Quill travel	5.5"
	Quill diameter	4.173"
	T-slots (number x width)	3 x 5/8"
	Coolant pump	1/4 HP
MILLING HEAD	Spindle motor	7.5 HP
	Spindle taper	NST-40 or CAT-40
	Speed range	60-6000 RPM
	Quill power feed (per rev)	0.0017" / 0.0032" / 0.0054"
	Drilling capacity (manual)	1.25"
	Drilling capacity (power)	0.625"
	Boring capacity	8" (dia)
	Milling capacity	2.5 in <sup>3</sup> /min
	Maximum work load	1000 lbs (distributed)
WEIGHT	Net weight	4200 lbs
	Gross weight	4500 lbs
	Packing dimension	72" x 86" x 88"

POWER REQUIREMENTS: 220 volts, 60 Hz, 3-phase, 30 Amps (machine)  
 110 volts, 60 Hz, 1-phase, 15 Amps (Anilam CNC)

AIR SUPPLY REQUIREMENTS: sufficient air supply will be needed by ATC