

**WEBSTER & BENNETT**

**MILLENNIUM**

**TITAN**

**FLEXIDRIVE**

**Vertical Turning Machines  
Vertical Turning and  
Machining Centres**



**1887**



**Why The 'Millennium'?**

Webster and Bennett has a glorious history. Its vertical turning machines have been sold for more than 100 years to all corners of the world. It is the best known name in this field with more machines sold than any other machine builder, more than 10,000.

Between 1981 and 1992 the company's activities declined while it was part of Wickman. Acquired in 1992 by S A Muller Machines of Bienne, Switzerland, Webster & Bennett is now enjoying the benefit of substantial investment and has taken significant steps towards a glorious future. The experience gained from more than 100 years of building vertical turning machines has been applied to the use of latest technologies to build a machine which will take Webster & Bennett flying into the next Millennium.

**MILLENNIUM.**

This is a Vertical Turning and Machining Centre of the highest quality, the highest level of specification and built to provide the highest level of reliability.

*The MILLENNIUM - The Best!*

**TITAN**

From the race of Sun Gods in Greek Mythology comes TITAN - Great Power - Great Strength - Great Stature - these were their characteristics. Webster & Bennett Titan are CNC machines with standard turning specification, excellent quality and excellent value. A gift from the gods.

**FLEXIDRIVE**

This range was evolved from the Webster and Bennett NC and CNC range of the 1970's and 80's and incorporates several of the developments now used in The Millennium. The range provides standard and high specification machines at low level entry prices.



**1887**



## FLEXIDRIVE

This model range provides machines for standard Vertical Turning applications through to highly sophisticated vertical turning and milling centres with driven tooling and 'C' axis.

By utilising many features from the well proven TXE series machines and applying the latest technology developed for the MILLENNIUM series, these highly productive machines are available at low capital cost.

Three sizes of machines are available

- 900 series with 36" diameter chuck
- 1200 series with 48" diameter chuck
- 1800 series with 72" diameter chuck

Models of each size are built in the FLEXIDRIVE series -

**Model T**  
5 station CNC turret. 2 axis turning

**Model RATC**  
18 station Automatic Toolchanger

**Model VTMB**  
ram toolslide with driven tooling (20kW)  
'C' axis control to chuck for milling and pitch circle drilling.

CNC system to choice -  
FANUC, SIEMENS, NUM etc.



## MILLENNIUM

## TITAN

## FLEXIDRIVE

FLEXIDRIVE	900	1200	1800	Flexidrive features
Table diameter	36"	48"	72"	New Flexidrive table drive system provides infinitely variable speed control for optimum cutting conditions. Low noise system.
Maximum turning diameter	46"	59"	84"	
Standard maximum workpiece height	37"	45"	45"	Flexidrive machines can be built using original TXE series castings allowing a substantial price reduction.
Option heights to	69"	69"	69"	
Main drive	37kW	37kW	37kW	Automatic slideway lubrications. Low friction slideway bearing surfaces allows rapid traverses to 10,000mm per min. Large diameter ballscrews
Maximum speed using optional highspeed range	700rpm	550rpm	350rpm	
Maximum workpiece weight	8,000lbs	25,000lbs	30,000lbs	VTMBC model features 'C' axis control to chuck with 60 secs of arc accuracy, 15 secs of arc repeatability. Milling feeds via chuck rotation 0-11.1 rpm. 20kW drive to live spindle. High Tech and low price.
Machine weight	12 tons	14 tons	22 tons	



1887



## TITAN

This model range provides strong and powerful CNC Vertical Turning Machines.

No frills - exceptional value.

- 5 station CNC turret
- Hardenend Slideways
- 4 jaw chuck - independent jaws
- Elevating crossrail with positional latching
- Full safety and coolant guarding and swarf conveyor included in basic price
- Fanuc 18 TB or other high quality CNC

*See The Quality be Surprised by the Price*



TITAN	1200	1450	2000	2500
Table diameter	1200mm	1450mm	2000mm	2500mm
Speed range	12.5-250rpm	4-200rpm	1.55-140rpm	1.12-112rpm
Main drive	55kW	55kW	63kW	63kW
Max. Workpiece diameter	1400mm	1650mm	2200mm	2630mm
Max. workpiece height (extended height options available)	1000mm	1250mm	2000mm	2300mm
Max work piece weight	9000kg	11000kg	25000kg	30000kg
Feeds to	4000mm p/min	4000mm p/min	4000mm p/min	4000mm p/min
Rapids to	6000 mm p/min	6000 mm p/min	6000 mm p/min	6000 mm p/min
5 station turret slide travel	760 mm	760 mm	760 mm	760 mm
250 mm square ram toolslide stroke	-	-	1200 mm	1200 mm
Machine weight	17000kgs	21000kgs	40000kgs	50000kgs

## MILLENNIUM

This range of Vertical Turning and Machining Centres is designed and built to be *The Ultimate*.

### No Compromise on

- Quality
- Specification
- Value
- Reliability

### High and Mighty

These machines are built to provide the tallest workpiece capacity.

### Full range of models

- 2 axis turning.
- 3 Ram toolslide + ATC
- 4 axis turning.
- 2 Ram toolslides + 2 ATC
- 2 axis turning + 'C' axis + live tooling
- 4 axis turning + 'C' axis + live tooling
- Y axis option - table infeed to column

### Automatic Pallet Loading System



## MILLENNIUM

## TITAN

## FLEXIDRIVE

MILLENNIUM	1000/1750	1250/1750	1600/2200	2000/2500
Table Diameter	1000mm	1250mm	1600mm	2000mm
Maximum swing	1750mm	1750mm	2200mm	2500mm
Standard work height	1400mm	1400mm	2000mm	2000mm
Extra tall option	2200mm	2200mm	2800mm	2800mm
Table loading	8,000kgs	10,000kgs	15,000kgs	20,000kgs
Maximum speed	700rpm	560rpm	440rpm	350rpm
Main motor/option	50kW/75kW	50kW/75kW	50kW/75kW	50kW/75kW
Ram Toolslide	250mm sq	250mm sq	250mm sq	250mm sq
Ram stroke	1500mm	1500mm	1500mm	1500mm
Rapid traverses	12,000mm/min	12,000mm/min	12,000mm/min	12,000mm/min
Basic model weight	34 tons	35 tons	40 tons	45 tons
Live Spindle Option	20kW/6000rpm	20kW/6000rpm	20kW/6000rpm	20kW/6000rpm
'C' axis to table	0.1 to 8 rpm	0.1 to 6.5 rpm	0.1 to 5 rpm	0.1 to 5rpm
'Y' axis - table infeed to order	to order	to order	to order	





**WEBSTER & BENNETT** *into the future*

Webster & Bennett have delivered more VTL'S to the four corners of the world than any other manufacturer



**Webster & Bennett**

LEADERS IN VERTICAL TURNING MACHINES & VERTICAL TURNING & MACHINING CENTRES



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