

NEWS BULLETIN

March 1997

For WEBSTER & BENNETT 1996 was the year the MILLENNIUM was born

1997 is the Year we move into full production of all models

1998 is the Year we will complete the development of the company's world class manufacturing facility



Standard Millenniums start with the 900F model (900mm chuck) up to the 2000/2500 2X (2000mm chuck, 2800mm component height).

Special Order Millenniums can be built with tables up to 4000mm diameter.



"In November we mourned the sudden death of **Bob Wash** whilst undergoing treatment at hospital following a short illness.

Bob was a top quality applications engineer, with enormous experience gained at GEC Rugby, Wickman and Webster & Bennett.

He was one of the most respected and well liked men I have ever known. All his friends and colleagues miss him enormously. Our deepest sympathies are with his wife Sandra and children Alison and Craig."

Iain Exeter
Managing Director

MILLENNIUM - The Ultimate in Quality & Design

Webster & Bennett have been making machine tools for 100 years. We have sold more Vertical Turning machines worldwide than any other builder - more than 10,000.

We have now built the best ever - **THE MILLENNIUM**

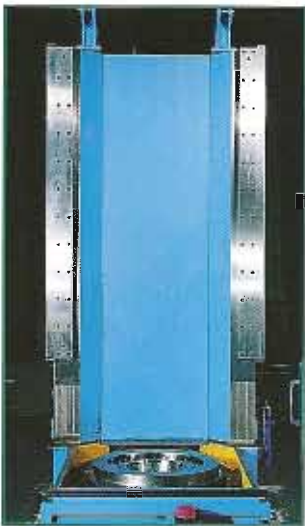
The MILLENNIUM is designed and built to the highest standards to produce components with maximum efficiency, be they simple or complex.

How do we know the machine is so good? David Mathie, Director of Design and Manufacturing tells us about AMTRI Testing -

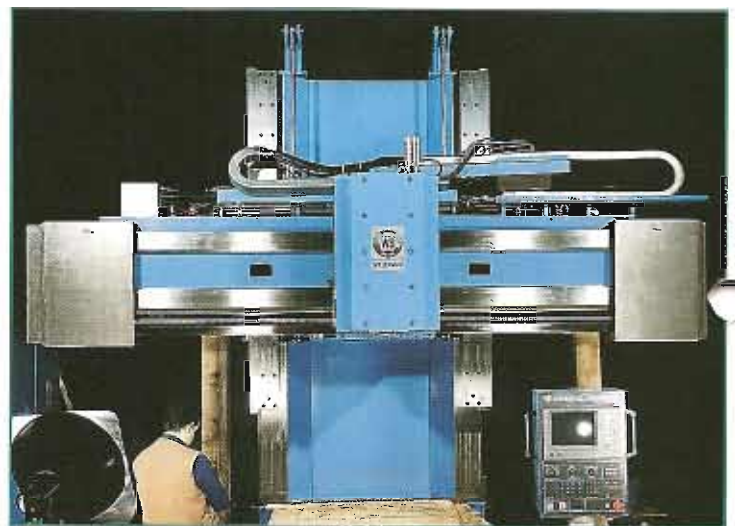
“We asked AMTRI to use all their sophisticated measuring technology to check out this machine. I am a machine tool designer who believes that a large machine tool like the MILLENNIUM should be able to work year after year with minimal down time producing components quickly, accurately and with the required finish. I designed the Millennium to do this. The extensive testing procedures used by AMTRI, the acknowledged leaders in Machine Tool Research and Testing, show that I got it right. I am not surprised by their results, but its good to have the confirmation from such a respected establishment as AMTRI.”



We use the highest quality design and materials so that you can have a MACHINE TOOL of the HIGHEST QUALITY



Main Body Castings



The massive Cross Slide Assembly



The Drive

MILLENNIUM - The Ultimate in Quality & Design

TAKE A LOOK AT THESE SPECIFICATIONS FROM THE RANGE OF 30 STANDARD MODELS AVAILABLE. The sooner you order the sooner it will be making money for you.

MILLENNIUM 1200 F2

| | |
|-----------------------------|--------------|
| Table diameter | 1200mm |
| Swing | 1500mm |
| Maximum table loading | 7,000 kg |
| Maximum cutting height | 1200mm |
| Table speeds/power | 580rpm/37kw |
| Dimensions of ram slide | 200 x 200 |
| Driven tooling speeds/power | 4000rpm/12kw |
| Ram spindle tooling | ISO 50B |
| 'C' axis torque | 6 KNM |
| Weight | 18 tons |
| Feeds to | 5,000mm/min |
| Rapids | 10,000mm/min |
| Standard ATC | 18 tools |

Full range of options

MILLENNIUM 1750 F2

| | |
|-----------------------------|--------------|
| Table diameter | 1750mm |
| Swing | 2100mm |
| Maximum table loading | 10,000 kg |
| Maximum cutting height | 1200mm |
| Table speeds/power | 400rpm/37kw |
| Dimensions of ram slide | 200 x 200 |
| Driven tooling speeds/power | 4000rpm/12kw |
| Ram spindle tooling | ISO 50B |
| 'C' axis torque | 8 KNM |
| Weight | 20 tons |
| Feeds to | 5,000mm/min |
| Rapids | 10,000mm/min |
| Standard ATC | 18 tools |

Full range of options

MILLENNIUM 1000/1750 2S

| | |
|-----------------------------|--------------|
| Table diameter | 1000mm |
| Swing | 1750mm |
| Maximum table loading | 8,000 kg |
| Maximum cutting height | 1400mm |
| Table speeds/power | 500rpm/50kw |
| Dimensions of ram slide | 250 x 250 |
| Driven tooling speeds/power | 5000rpm/18kw |
| Ram spindle tooling | ISO 50B |
| 'C' axis torque | 5 KNM |
| Weight | 35 tons |
| Feeds to | 6,000mm/min |
| Rapids | 12,000mm/min |
| Standard ATC | 18 tools |

Full range of options

MILLENNIUM 1250/1750 2T

| | |
|-----------------------------|--------------|
| Table diameter | 1250mm |
| Swing | 1750mm |
| Maximum table loading | 10,000 kg |
| Maximum cutting height | 1800mm |
| Table speeds/power | 400rpm/50kw |
| Dimensions of ram slide | 250 x 250 |
| Driven tooling speeds/power | 5000rpm/18kw |
| Ram spindle tooling | ISO 50B |
| 'C' axis torque | 6.25 KNM |
| Weight | 38 tons |
| Feeds to | 6,000mm/min |
| Rapids | 12,000mm/min |
| Standard ATC | 18 tools |

Full range of options

MILLENNIUM 1600/2200 2T

| | |
|-----------------------------|--------------|
| Table diameter | 1600mm |
| Swing | 2200mm |
| Maximum table loading | 15,000 kg |
| Maximum cutting height | 2400mm |
| Table speeds/power | 312rpm/50kw |
| Dimensions of ram slide | 250 x 250 |
| Driven tooling speeds/power | 5000rpm/18kw |
| Ram spindle tooling | ISO 50B |
| 'C' axis torque | 8 KNM |
| Weight | 43 tons |
| Feeds to | 6,000mm/min |
| Rapids | 12,000mm/min |
| Standard ATC | 18 tools |

Full range of options

MILLENNIUM 2000/2500 2X

| | |
|-----------------------------|--------------|
| Table diameter | 2000mm |
| Swing | 2500mm |
| Maximum table loading | 20,000 kg |
| Maximum cutting height | 2800mm |
| Table speeds/power | 250rpm/50kw |
| Dimensions of ram slide | 250 x 250 |
| Driven tooling speeds/power | 5000rpm/18kw |
| Ram spindle tooling | ISO 50B |
| 'C' axis torque | 10 KNM |
| Weight | 51 tons |
| Feeds to | 6,000mm/min |
| Rapids | 12,000mm/min |
| Standard ATC | 18 tools |

Full range of options

Each model is available as a Vertical Turning & Machining Centre with 'C' axis and live tooling **or** as standard Vertical Turning & Boring machine. Each model can be built to standard height, tall or extra tall.

Currently under design is the MILLENNIUM 3000/3100 and the 'W' axis option for all models.



The WEBSTER & BENNETT TITAN

The machine for the user wanting a simple CNC Vertical Turning & Boring machine

With sub assemblies made for us in Eastern Europe we are able to provide a Webster & Bennett machine, finished in Coventry, at a price which competes favourably with rebuilt machines or lower quality new machines.



Webster & Bennett Titan 1200
Turning Railway Wheels in London



Webster & Bennett Titan 1450
Turning Rings in Sheffield

Webster & Bennett Titan 1200

- Maximum work diameter 1400mm
- Maximum work height 1000mm
- Maximum work weight 9000 kgs
- Table (4 jaw) diameter 1200mm
- Operating speeds (infinitely var.) 12.5-250 rpm
- Main motor 55 kw
- Cross slide vertical travel 800mm
Vertical slide with CNC controlled auto indexing turret
- Feeds (infinitely var.) 0.1-4000mm/min
- Rapid feed rate 6000mm/min

£168,000

including CE marking, guards, chuck jaws

Webster & Bennett Titan 1450

- Maximum work diameter 1650mm
- Maximum work height 1250mm
- Maximum work weight 11000 kgs
- Table (4 jaw) diameter 1450mm
- Operating speeds (infinitely var.) 4-200 rpm
- Main motor 55 kw
- Cross slide vertical travel 1000mm
Vertical slide with CNC controlled auto indexing turret
- Feeds (infinitely var.) 0.1-4000mm/min
- Rapid feed rate 6000mm/min

£178,000

including CE marking, guards, chuck jaws

We also have the following TITAN models available -

- **2500 DCS CNC** with FANUC 18TB or SIEMENS 840 or NUM 1060
- **3000 Double Column**, conventional machine



The WEBSTER & BENNETT SPARES, SERVICE & REBUILD DIVISION

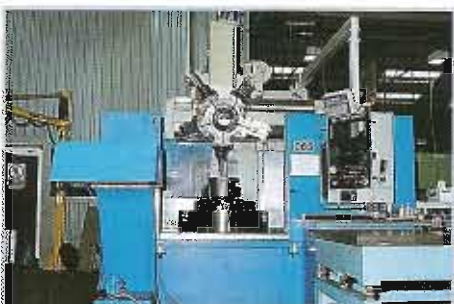
The FLEXIDRIVE

Webster & Bennett, while rebuilding machines in 1993 started to incorporate technical developments which were ultimately to become part of the standard specification of the Millennium range. So was born the FLEXIDRIVE range. During the years of development of the Millennium the FLEXIDRIVE has proved to be very popular with some of the best known names in the British and European engineering industry.

We are now producing the lighter duty Millennium F series to directly replace the FLEXIDRIVE. However, in response to customer demand, we will continue to remanufacture customers existing machines to FLEXIDRIVE specification.



A Flexidrive T1200 RATC producing finished products for 'Blue Chip' companies



A Flexidrive T900 producing Valves in Sussex



Even if your machine is 70 years old we still have the full machine history and manufacturing drawings to enable us to supply that vital spare part - it may even be in stock!

We have built more than 10,000 VTL's. Around 6000 are still in regular service. It pays us to provide these services. It will pay you to deal with us.



FOR SPARES

- we have the technical knowledge and familiarity with the parts to know what you want
- we have huge stocks
- we have the original drawings



FOR SERVICE

- we have the team of highly experienced service engineers, on the road, ready to respond when you need them.



Fin Butler



Brian Hill



Keith Sharpe



Dave Jenkins



Niall Kearney



Dave Fairbrother

Have you considered a Preventive Maintenance Contract?

Many companies are now finding the benefits from these programmes. For a surprisingly low cost they are cutting out unexpected downtime.

Have you considered a Partial Rebuild? For example, a top end rebuild can be carried out quickly with little disruption - the machine remains installed. You have new accuracy and increased reliability

Your contacts in this division are -



Bob Cartwright



Paul Stokes



Tom Gamble



Owen Coyne

To have the largest number of VTL installations in the world is not only a major benefit, it is also a major responsibility. We take it very seriously.

Let WEBSTER & BENNETT Service keep you turned on

NEWS FROM OUR OVERSEAS AGENTS

SWITZERLAND SA MULLER MACHINES

To whom we will always be grateful for their trust in making the investment to kick start our regeneration. They continue to be one of the worlds largest and most active traders in precision machine tools.

We will always welcome your enquiry for non Webster & Bennett machines. If Muller Machines have it you can be sure it will be in the best condition. If you have good machine tools for sale they will be interested.

Your contact at Webster & Bennett for Muller Machines is OWEN COYNE at the London office

Tel: 0181 858 3516

Fax: 0181 858 3267

A fully illustrated stocklist from Muller Machines is available from us upon request.

SOUTH AFRICA WEBSTER & BENNETT SA PTY, Johannesburg

Director, Mick Shepherd, says



"We are now well into our second year of trading and we have experienced a great deal of success especially in support, servicing and spares.

Currently we have located over 500 Webster & Bennett machines of various ages ranging from 16 to 70 years old still operating in production. This is a good testament to the ruggedness and reliability of our machines.

We are beginning to make inroads into Southern Africa, especially Zimbabwe, where our Service Manager, Tom Topliss, recently spent a week surveying machines.

We continue to offer the following services -

- Retrofits
- Reconditioning
- Spares
- Servicing
- Sale of new & used CNC machines & conventional machines

Shortly to be installed - the first fabulous MILLENNIUM 1600/2200 in South Africa.

AMERICA SIMMONS MACHINE TOOL CORP., Albany, NY

S.M.T.C. will be selling, and also manufacturing under licence, the MILLENNIUM range exclusively in the Americas. One of Americas oldest and most experienced machine tool groups they are very well known throughout the world for their expertise in **railway wheel and axle manufacture** and refurbishment.

S.M.T.C. are currently installing the first MILLENNIUM Vertical Turning Centre in America.

During 1998, as a joint project, we will be producing the MILLENNIUM **Wheel Turning and Wheel Boring machines** for individual installations and as part of complete automated cells.

FRANCE MULLER MACHINES FRANCE

Shortly to be installed in France is the first Webster & Bennett Titan 2500 DCS CNC Vertical Turning

machine. Director, Vincent Lecot, is very optimistic for the future sales of Webster & Bennett machines in France.

Considerable interest has been shown in the new MILLENNIUM range and when companies emerge from the current recession in France he expects to pressurise us for quicker deliveries!

HOLLAND & BELGIUM OUDE REIMER BV, Hilversum

Following many years representing Wickman and Webster & Bennett, Managing Director Dick Zwartbol, says "Now we not only have the World best name in Vertical Turning we have The Best Machine. Webster & Bennetts new MILLENNIUM range is outstanding both for quality and value for money. This is a world leading machine tool."

AUSTRALIA WICKMAN AUSTRALIA PTY

Recently installed by Wickman are two 72" CNC Vertical Turning machines, remanufactured to new specification, retrofitted Fanuc 18TB CNC and supplied with new machine warranties. This is the first chapter in the new history of Webster & Bennett in Australia. Wickman believe the next chapter will be THE MILLENNIUM.

Other Agents appointed following the launch of the MILLENNIUM at MACH 96.

| | |
|-----------|---------------------|
| INDIA | - Pan India |
| ITALY | - Tschudin Italiana |
| SPAIN | - Intermaher |
| HUNGARY | - Vitimpex |
| SWEDEN | - Erixon & Bonthron |
| NORWAY | - Bergsli |
| IRELAND | - Gillen Machines |
| HONG KONG | - Rieckermann |

WEBSTER & BENNETT LIMITED

Machine Tool Builder in Coventry since 1887

The world's premier builder of Vertical Turning Lathes. More than 10,000 delivered -

- 2280 machines in the 1960's
- 1418 machines in the 1970's
- 266 machines (mainly NC & CNC) -1980-85

In 1985 Wickman sold the Webster & Bennett factory and moved the company in to the Wickman factory. Only 45 machines were sold during the next seven years until Wickman was placed in receivership in September 1992.

In December 1992 the Webster & Bennett business was acquired by SA Muller Machines of Bienne, Switzerland.

Whilst a new machine was designed and a suitable factory was acquired the company built up its resources through the rapid growth of the spares and rebuild business. The first new design was the FLEXIDRIVE range. This was followed in 1996 with the MILLENNIUM and TITAN ranges.

In 1996 18 machines were built.

In 1997 31 CNC and 2 conventional machines will be built.

In 1998 we expect to be at full capacity producing 15 MILLENNIUM machines and 30 other CNC models.



FLEXIDRIVE



TITAN



MILLENNIUM

"Success does not come easily especially for a second time, but it's here now and it's sweet"



SPONSORSHIP IN SPORT

"A healthy body breeds a healthy mind"



Webster & Bennett and Muller Machines both actively encourage sports activities by their staff and support professional teams for commercial exposure.

For Webster & Bennett the main sport is rugby. The team is Blackheath, the oldest open rugby club in the world, now playing in Courage League Division Two.

- **Managing Director, Iain Exeter**, played for England U19 many years ago and is currently Director of Rugby at Blackheath
- **Sales Manager, Chris Barrett**, plays for Rotherham, also in National League Division Two
- **Sales Executive, Owen Coyne**, former Captain of Blackheath and England U21 player hopes to help Blackheath gain Division One status
- **Financial Controller, Colin Ridgway**, former England U21 squad player is Hooker for Blackheath



Iain Exeter, Colin Ridgway, Owen Coyne and **John Gallagher** world renowned All Black, in front of the Millennium at Mach 96.

Webster & Bennett are sponsors of Blackheath and have been match sponsors of Coventry and Rotherham



Blackheath seem to be out numbered in the recent clash with Richmond. The odds were even worse as the Referee also decided to wear a Richmond shirt!



Owen Coyne takes on Scott Quinnell in the Blackheath Richmond clash.



Colin Ridgway makes his point to Brian Moore - "Pit Bull - sit!"