



Axe & Status

CNC machine tools and sheet metal machinery





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Overview

The business was established in 1970 with leading manufacturers from around the world entrusting Axe & Status with exclusive representation and distribution of their products for the UK, Irish and world markets. Their products have been selected to meet all aspects of today's demanding requirements for competitive and efficient manufacturing processes.

Axe & Status offers a range of machinery for both metal cutting and general fabrication. The company exclusively imports a range of machine tools which include Eumach rigid CNC vertical and horizontal milling machines, double column, table and floor borers; Massa heavy duty CNC vertical turning lathes; Tuscan heavy duty CNC oil country lathes, roll grinders and Accuway heavy duty CNC slant bed lathes.

The fabrication machinery is exclusively imported from Durma which includes standard and CNC pressbrakes, swing beam guillotines, variable rake guillotines, mechanical shears, CNC laser and CNC plasma machines, as well as ranges of plate roll bending machines, profile bending machines, punchpresses, corner notchers and ironworkers.

We hope that you find this brochure useful. If we can be of any assistance please call 01908 647707 or log on www.axestatus.com and we'll be happy to help.



Axe & Status has modern offices situated in Milton Keynes. Our experienced and friendly staff are always here to help

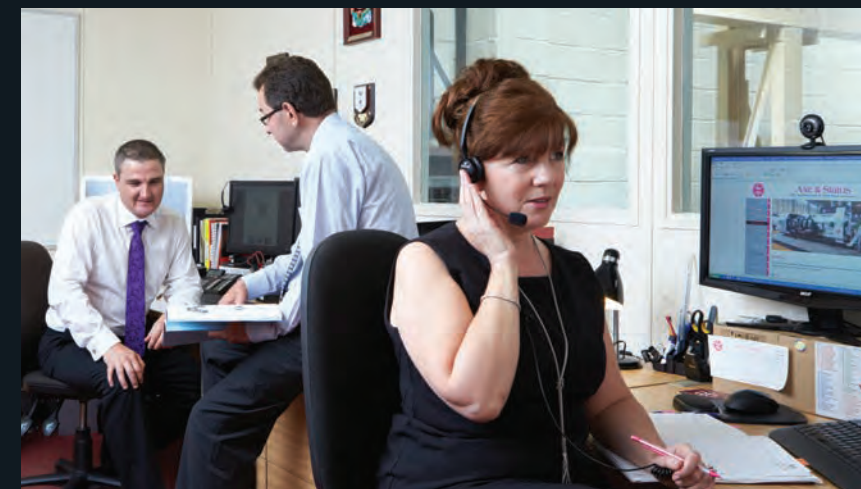
Sales

The principles upon which the business was formed back in 1970 still apply, in that the company's objectives are to supply excellent quality and reliability in our products at a competitive price. This enables our customers to remain competitive and maintain low hourly charging rates – a prime feature in the machine specification for final product selection.

Milton Keynes, in the centre of the country, offers our customers easy access to visit the Axe & Status showroom to discuss their requirements, and also for the distribution of equipment throughout the UK and international markets.

Emphasis is placed on problem solving and freedom of choice for customers to inspect machinery and discuss their production requirements, in the comfort of modern office facilities. By reputation, Axe & Status has a showroom which demonstrates to the customer the flexibility of low cost, value for money products with the option to purchase products with a high degree of sophistication and technology, to achieve the demands of industry using the latest production techniques.

The high standard of presentation and after sales service demanded by successful business people in the metal cutting and fabricating industry is given top priority. Axe & Status is recognised world-wide as established suppliers for quality new machine tools and sheet metal equipment.



Quality and reliability at a competitive price have been a founding principle of the company – since 1970

Service and support

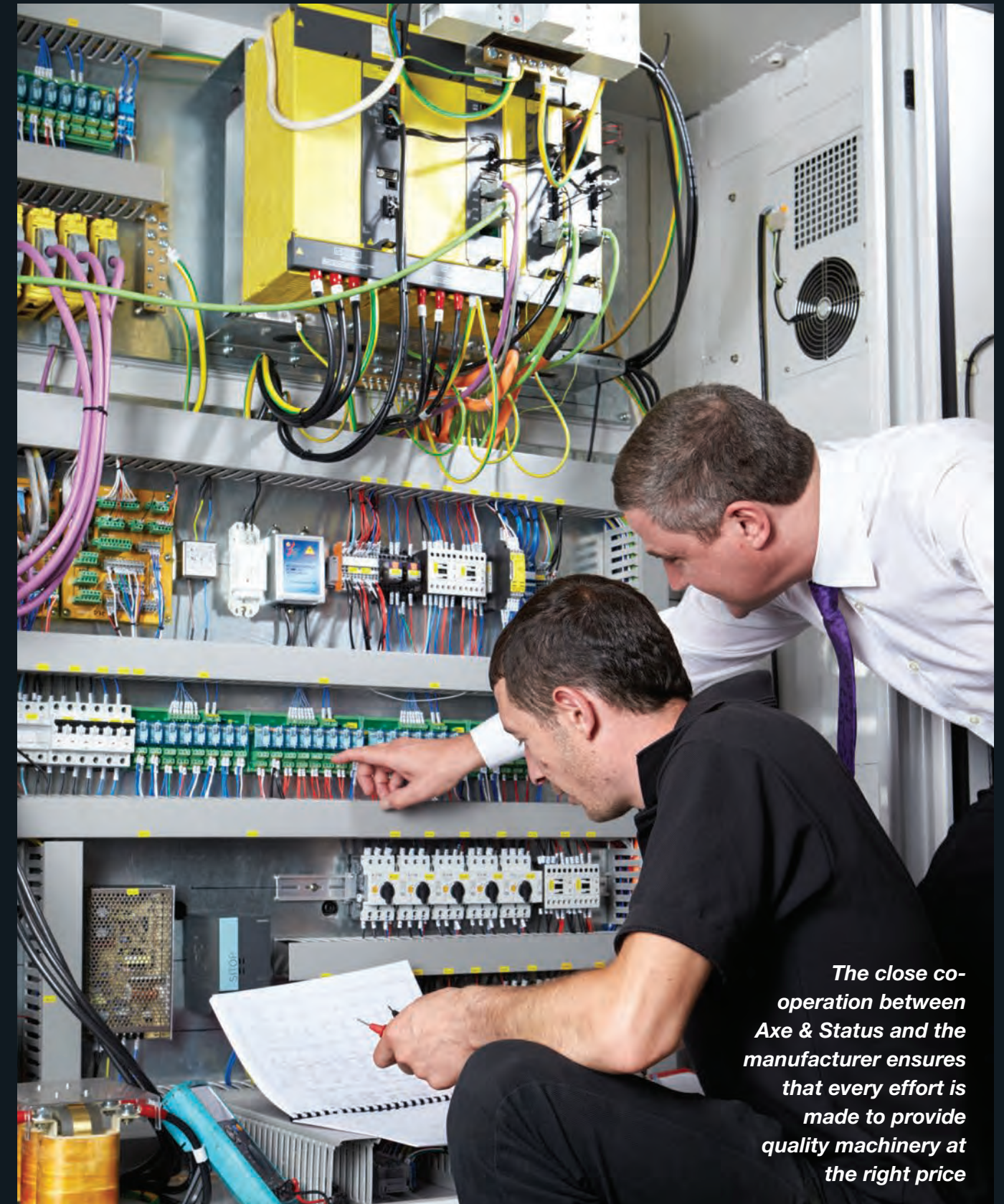
From the outset, our technical sales engineers and directors get a clear understanding of our customers' requirements.

Training facilities are provided within Axe & Status' own offices, combined with on-site training on a one-to-one basis with the operator. Close contact by telephone ensures reliability and confidence within the workshop. Refresher training or specific courses are also provided to give maximum flexibility to operator capabilities.

Effective maintenance is the key to keeping machinery working hard, and minimising downtime. Our service department is set up to provide a pro-active approach to eliminate machine and control problems. We offer all our customers on-site machine inspections, with written reports to highlight potential problems. Planned maintenance schedules can be set up and operated to coincide with customers' production runs, existing maintenance schedules and plant shut downs. Axe & Status also offers an excellent reactive service to cope with any occasional breakdown situation, with fast turnaround times to get machinery up and running as quickly as possible.

Service Contracts can be renewed on an annual basis. They cover two service visits per year or each 2,000 hours (up to 4,000 hours per year), provides a 15% discount on all electrical or mechanical parts and 24 hour response time in the event of a breakdown.

Quite simply, we're "unbeatable"



The close co-operation between Axe & Status and the manufacturer ensures that every effort is made to provide quality machinery at the right price



Products

Leading manufacturers from around the world have entrusted **Axe & Status** with exclusive representation and distribution of their products for the UK and overseas markets.

LFM Series High Hardness Roll Turning CNC Lathe

TUSCAN LFM series CNC lathes have been especially developed for the machining of large workpieces and meeting the requirements of extremely hard metal cutting, high motor loading and heavy machining.

- Maximum swing over bed: 1800mm
- Between centres: 3000mm – 10000mm
- Bed width: 1160mm
- Spindle bore: 200mm up to 500mm I/D

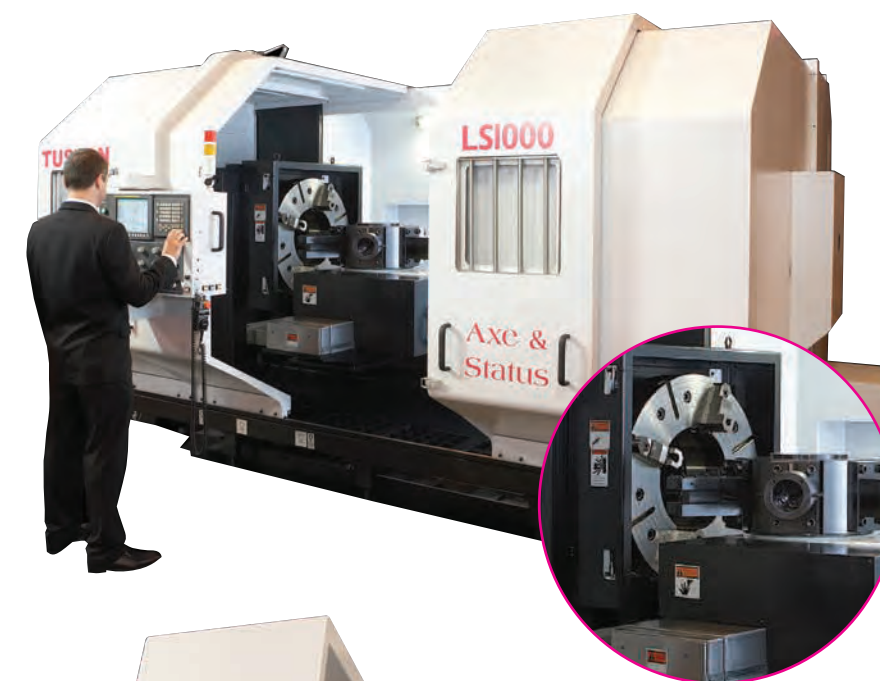


CNC Heavy Duty Turret Lathe

Latest LS-Series 6 STN Servo Turret

LS series lathes are especially developed for large diameter and short tubular workpieces. This model is the most suitable machine for this type of workpiece.

- Z-axis 1400mm
- Swing 1200mm
- Swing o/bed 1000mm
- Spindle 50hp
- Speeds 9-600rpm
- 800 x 4-jaw chuck (OPT)
- Fanuc Oi-TD control



Heavy Duty CNC Lathes

TUSCAN high precision CNC Oil Country Lathes are based on 40 years of experience, resulting in the superior A, LC and LD Series designed to meet the demanding requirements of today's market. Assembly, alignment and testing to ISO 1706 and CNC 7000, static testing, dynamic backlash and pitch error compensation, dynamic balancing and NC function testing combine to make Tuscan a superb choice.

Check our range of manual lathes up to 14,000 centres



LL950 Design Concept

The new Tuscan LL950 is of an evolutionary design which overcomes the interference between the carriage and steady rest when turning long shafts, or hollow tubes. The design integrates the rigidity of a "flat bed" lathe and the advantages of a "slant bed" lathe with a 5 bed way design. The LL950 incorporates high rigidity, high efficiency and perfect accuracy in one machine.

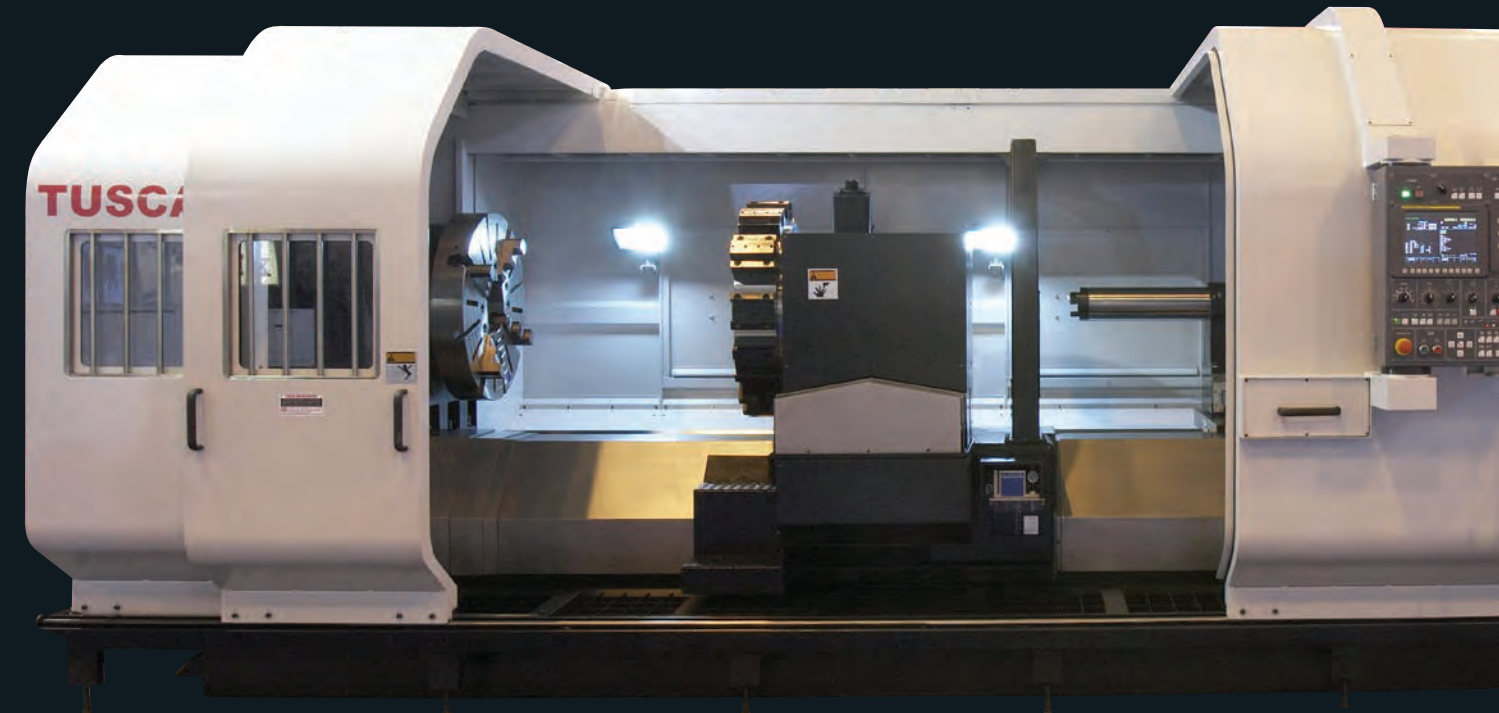


LL950 x 4000 – LL950 x 8000

- Maximum cutting diameter: 950mm
- Between centres: 4000mm – 8000mm
- Bed width: 990mm
- Spindle bore: 153mm, 230mm, 305mm
- Double chuck is available
- Milling function is optional

Advantages

- Rigidity of a "Flat Bed Lathe"
- Efficiency of a "Slant Bed"
- Zero steady interference
- Compact to save space
- Economic
- Larger working capacity



SAVANA manual MA Series medium duty precision lathes have a variety of optional equipment available, including inverter variable spindle speed geared head, digital readout system, quick change toolpost, taper attachment, and grinding attachment.



Manual conventional lathes MA Range

Savana MA manual medium duty precision lathes have been introduced to provide a general purpose lathe to compliment the heavy duty Tuscan range. The object has been to provide capacity, accuracy and reliability at competitive prices. The range extends from 460 swing x 1000mm centre to 1270 swing x 10,000mm centres.



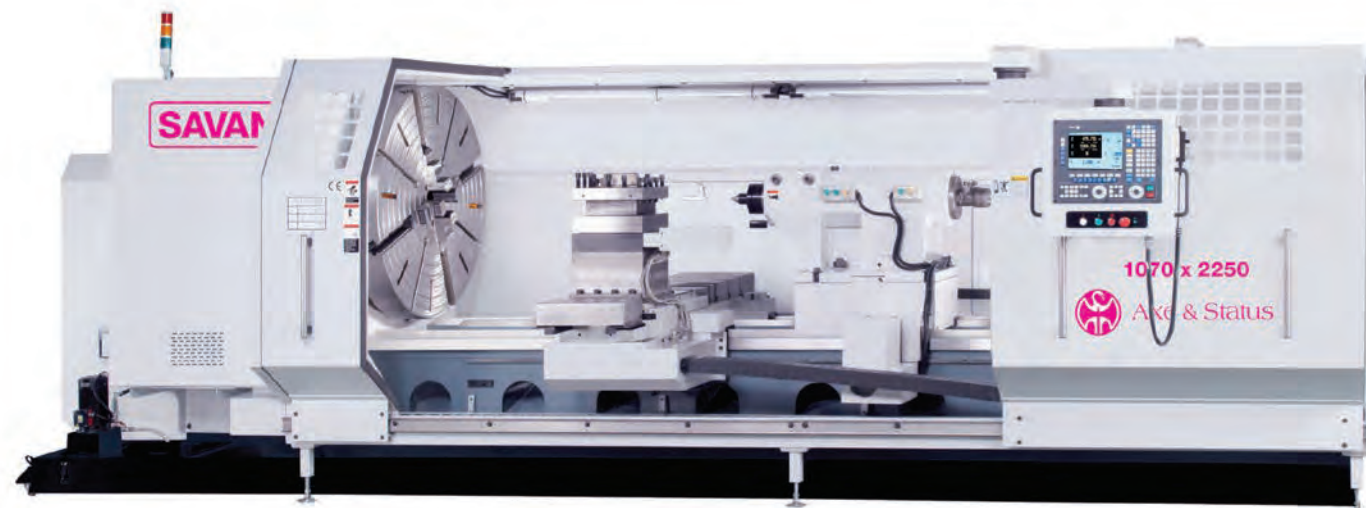
The conventional cast iron hardened and ground bed is sturdy with cast pockets for the swarf to drop through to the swarf tray.



AC series CNC lathes

The Savana AC series CNC flat bed general purpose lathes compliment the heavy duty range of Tuscan lathes. The quality and specification provides exceptional value for money and have proved to be dependable in demanding working environments.

- AC460 Swing/AC540 Swing/AC630 Swing – from 1,000 to 2,000mm B/Ctrs
- AC670 Swing/AC770 Swing/AC840 Swing – from 1,600 to 8,100mm B/Ctrs
- AC1070 Swing/AC1270 Swing/AC1300 Swing – from 1,750 to 10,000mm B/Ctrs



Latest value packed 45° slant bed CNC UT-600 series

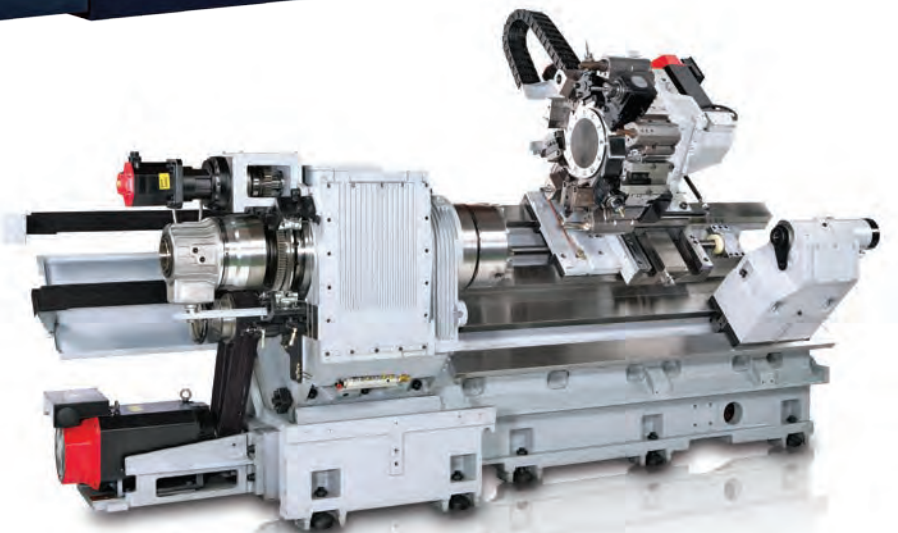
UT-400/UT-600 series

- UT-600 x 3000
- Max swing 1030mm
- Max turning dia 950mm
- Max turning length 1,400mm/4,000mm
- Chuck size 15in/20in
- Bar capacity 180mm
- Spindle speeds 27-2,700/25-2,500rpm
- Spindle motor 30/37kW, 50hp
- Rapids X/Z 20/20m/min
- Guide way, box way
- Turret 12-station
- Fanuc Oi-TDNC control



Standard Equipment

- Hydraulic 3-jaw chuck
- Swarf conveyor
- CE and 4,000 hour warranty
- 1st year service included

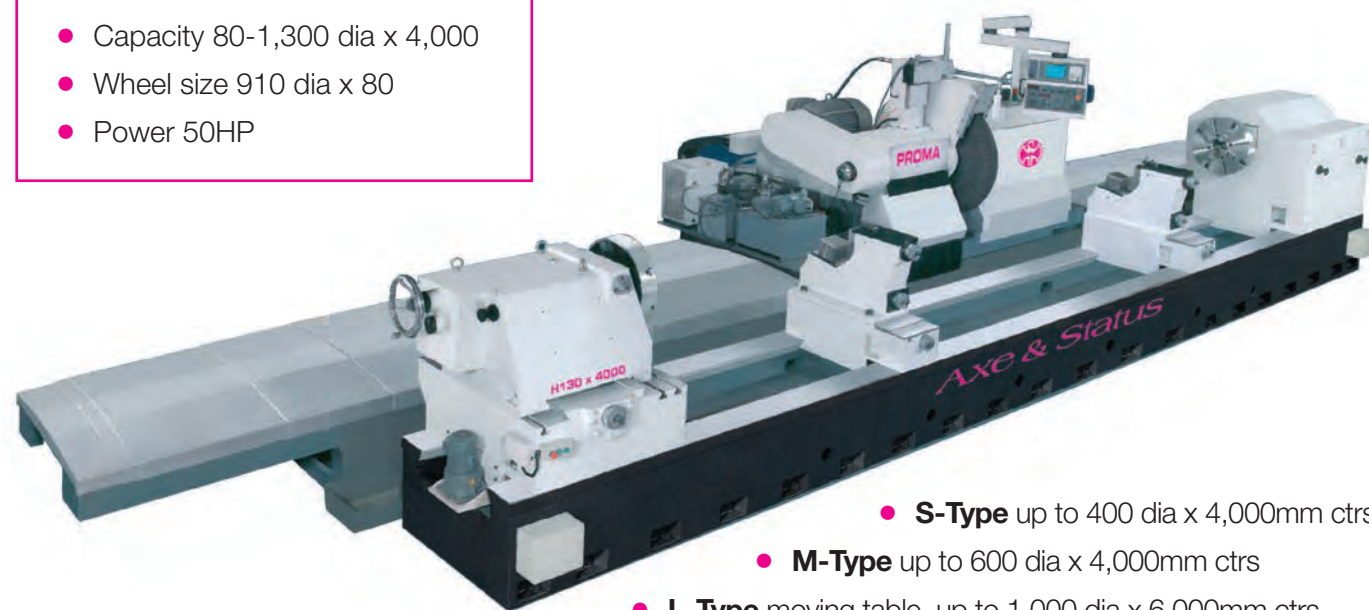


Precision with perfection

- The table/headstock machine base and carriage are all made of high strength FC-30 – FC-35 castings
- Tailstock re-positioning is made easy through the use of an air assist device mounted on the bottom of the tailstock
- The wheelhead spindle is designed with hydrodynamic bearing and is made of Ni-CR-Mo alloy for superior strength and maximum grinding finish
- CNC controlled system - The crown grinding is also easy to get which includes base arc curve, SINE curve, COSINE curve, CVC curve and combined arc curve



- H130 x 4000 fixed table
- Capacity 80-1,300 dia x 4,000
- Wheel size 910 dia x 80
- Power 50HP



- **S-Type** up to 400 dia x 4,000mm ctrs
- **M-Type** up to 600 dia x 4,000mm ctrs
- **L-Type** moving table, up to 1,000 dia x 6,000mm ctrs
- **H-Type** fixed table, up to 2,500 dia x 12,000mm ctrs

Summit VL Series weight, power and accuracy

The Massa range of vertical CNC turning centres has been introduced by Axe & Status in the belief that there is a demand for a low cost vertical CNC turning centre, to replace the many manual turret machines of this type currently in use throughout the industry.

Standard equipment

- High-rigidity meehanite CI structure
- Induction-hardened and ground box slideways
- Elevating rail with hydraulic shot bolt levelling and clamping
- Swift conveyor
- Through spindle coolant
- High-torque ZF gear box
- Timken crossed roller bearings for maximum thrust and radial loads
- Faunc OiTD

Special features

- Powerful box ram 250 x 250
- C axis zero backlash indexing 0.001 deg
- Curvic style coupling tooling location for heavy duty machining



	Chuck	Max Dia	Max HT	Max Swing	HP	Weight
VL 200	200	200	200	400	15	3,000 kg
VL 320	320	350	250	600	25	5,000 kg
VL 600	600	650	650	850	25	12,000 kg
VL 800	800	800	800	1,000	30	13,500 kg
VL 1000	1,000	1,100	900	1,200	60	24,000 kg
VL 1200	1,250	1,350	1,250	1,600	100	32,000 kg
VL 1600	1,600	1,800	1,250	2,000	100	35,000 kg
VL 2000	2,000	2,300	1,700	2,500	120	52,000 kg
VL 2500	2,500	2,800	2,000	3,000	150	65,000 kg
VL 3000	3,000	3,400	2,500	3,500	150	75,000 kg

CNC heavy duty vertical turning centre

The Massa range of CNC lathes has become firmly recognised and established as a reliable heavy-duty vertical turning lathe, competitively priced.

The range extends from the VL600, 600mm diameter chuck, right through to the VL4000 ATC+C axis and power tooling. Machines can be designed to meet customers' specific requirements such as twin ram, twin ATC, pallet changing etc. Massa vertical turning lathes have been well received by manufacturers and subcontractors supporting both the aerospace and oil industries.



Heavy duty CNC double column vertical machining centres

Heavy duty double column vertical machining centres

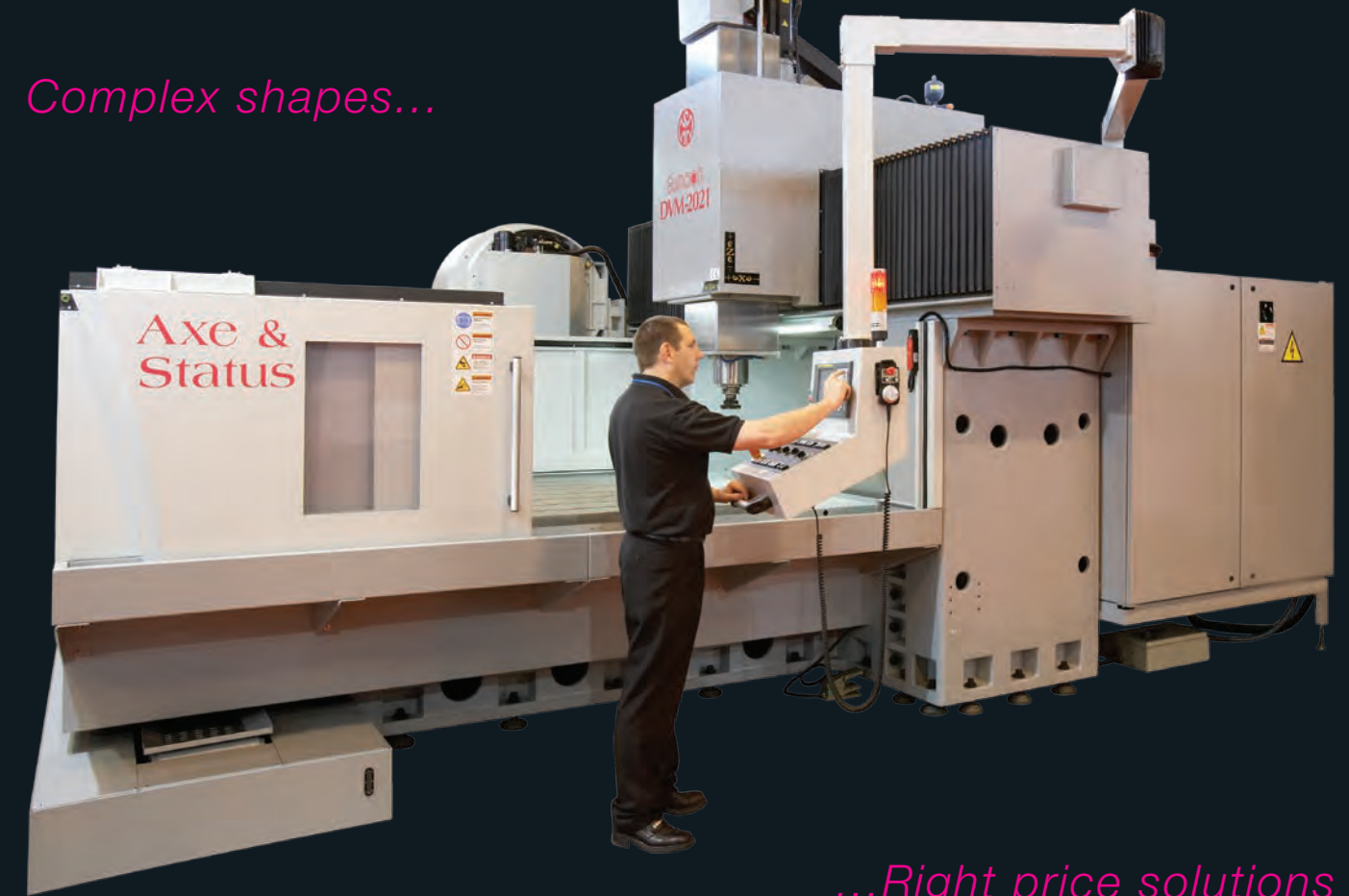
DVM CNC series

Exclusive range of heavy duty precise single column and double column vertical machining centres.

- Vertical single column from 1100 to 3200mm in 'x'
- Double column from 2020 x 3000 to 10,000 x 4000mm
- Bed type universal machine centres up to 4500 x 1100mm
- Horizontal table type machining centres and boring
- Horizontal floor type, travelling column and ram
- 5 axis machining centres and mill-turn centres



Complex shapes...



...Right price solutions

FBM horizontal ram and boring machining centres

The 'X' axis starts from 6 metres up to 35 metres.
The 'Y' axis starts from 2 metres up to 6.5 metres.
'B' axis rotary tables start at 20 ton max load.
The 'X' axis drive and rotary table is driven by twin servo motors and pinions through gear boxes to

a rack. Such dual drive systems with master slave control concept and nearly zero backlash advanced management allows a remarkable improvement of the rigidity and accuracy performance.

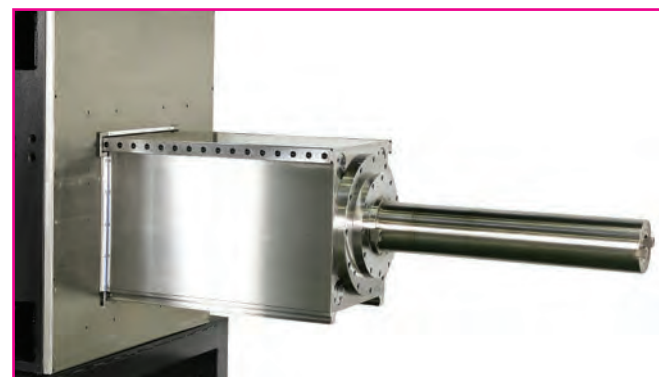


FBM-10040 CNC floor borer and machining centre

- 10m (X) x 4m (Y) x 1.3m (Z) x $\pm 180^\circ$ (A) x $\pm 360^\circ$ (B) x $\pm 360^\circ$ (C) x 3m (V)
- HSK-A100/12000 rpm spindle, 60 ATC, 7M x 2.5M floor plate, 2.5m rotary table with 30 tons load, lifting operator cabinet

Standard W axis boring spindle:

- diameter $\phi 160$ mm
- travel 700mm
- speed 3000 rpm
- power 37 and 45 kw (Fanuc α 40) or 37 and 51 kw (Siemens 1PH7167-2NF)
- ram 460 x 520

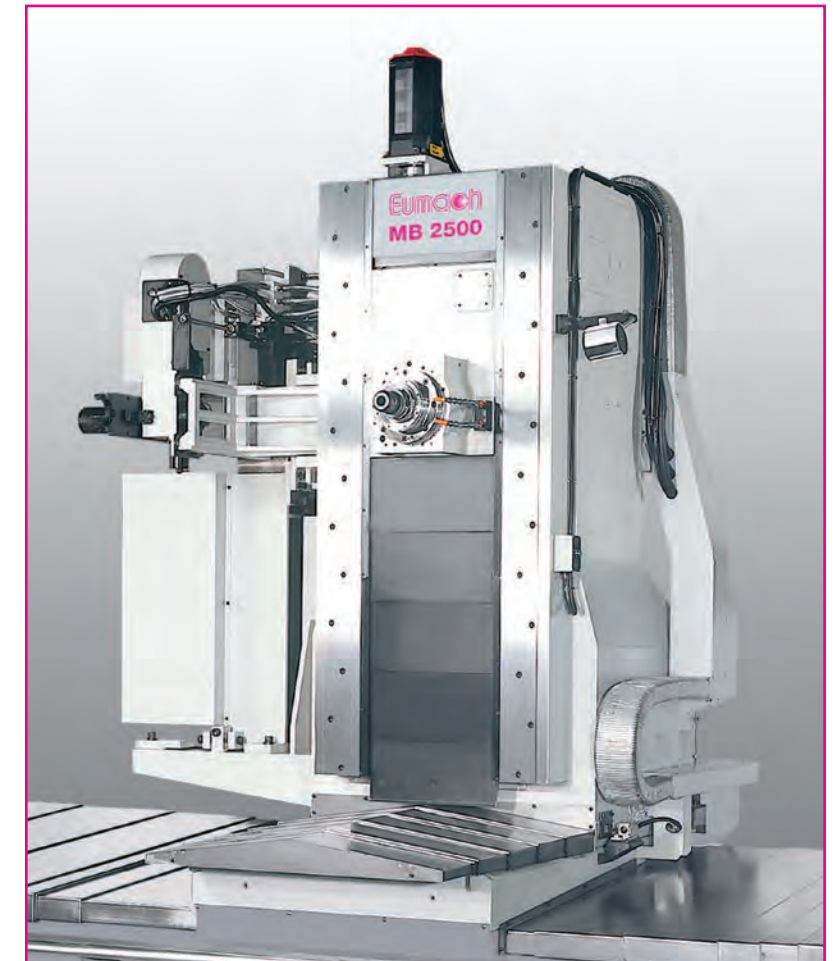


Travelling column horizontal milling

MB series

Significant technical features and advantages of MB series floor type horizontal milling machines:

- large travel choices: X axis: 1260mm-8000mm, Y axis: 900mm-1500mm, Z axis: 800mm-1200mm
- travelling column on 3 axis and fixed table standard design for an almost no weight limit work piece
- Pendulum machining reduces much more down time than traditional twin pallet changer system
- Extra long fixed table up to 8 meters for ease of workpiece location and setting
- Much more expansion possibilities to suit individual applications such as additional milling heads, table group, automatic tool changer and CNC rotary tables etc
- Up to 5 axis simultaneous



$\phi 610$ mm/ $\phi 800$ mm/ $\phi 1000$ mm rotary table integrated into standard long fixed table



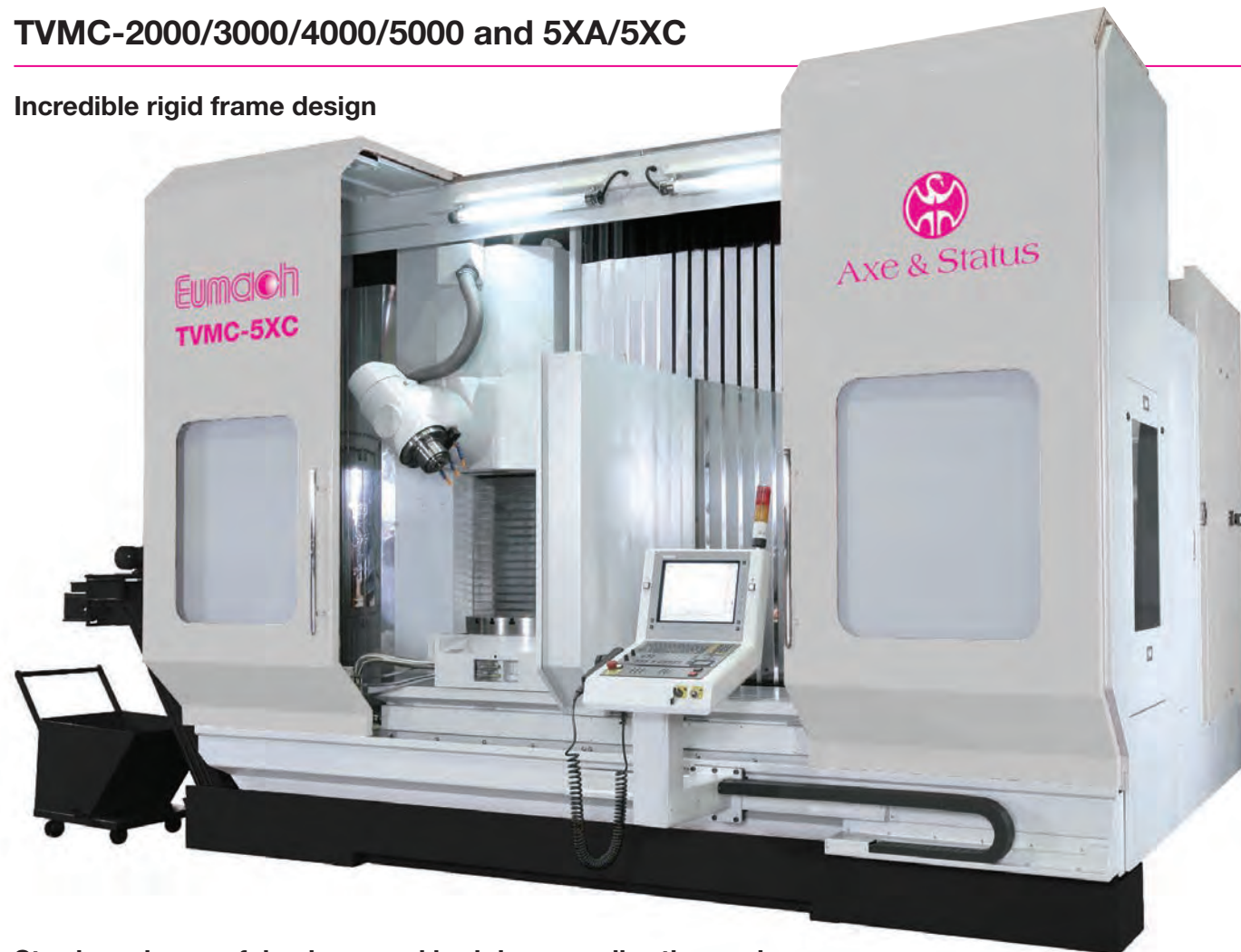
24 station ATC fixed on travelling column, horizontal tool changer



Travelling column and fixed table 3-5 axis vertical machining centres

TVMC-2000/3000/4000/5000 and 5XA/5XC

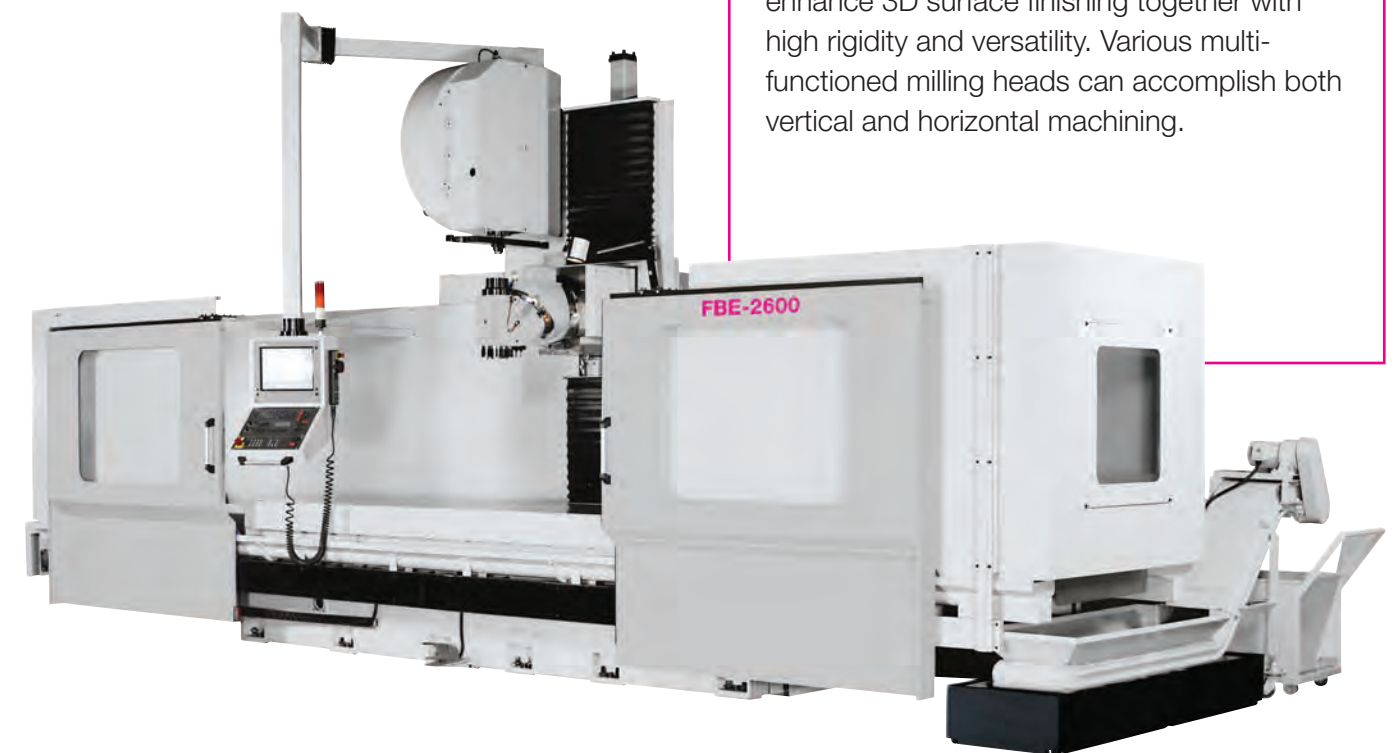
Incredible rigid frame design



Sturdy and powerful column and bed dampen vibration and absorb cutting forces for greater precision in machining.

- Totally analysed by the most advanced CAD and FEM
- Extreme rigid construction with heavy internal bracing to maximise machine rigidity
- Heavy frame with torsional stiffness innovative design supports heavy cutting to produce better surface finishes and provides long term precision for accuracy

The column feed concept is inherently more rigid and accurate because the table and fixturings remain stationary while the column travels above the workpiece in a double box – Y over X plane. Regardless of the workpiece's configuration, even over-sized or off-centre workpieces, the load on the guideways, ballscrews and motors remain unchanged.



FBE – 1500/2000/2600/3000/4000

The latest FBE family has been designed to enhance 3D surface finishing together with high rigidity and versatility. Various multi-functioned milling heads can accomplish both vertical and horizontal machining.

XZC-1600 Rotary table type universal machining centre



Standard automatic vertical and horizontal milling head with BT#50/3500RPM/811Nm

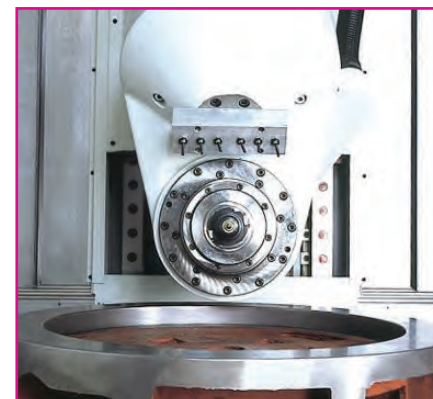
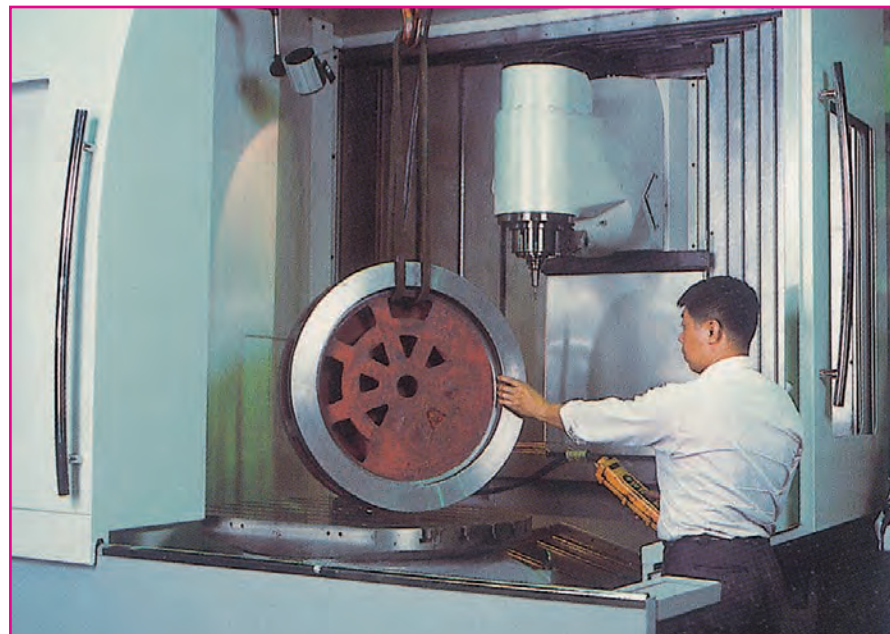
UMC-1000

- 1000mm x 800mm x 700mm three axis travel
- 1000mm x 800mm working rotary table with 1500kg load
- 0.01 degree swivel milling head and rotary table
- Torque motor driven B axis swivel milling head
- Worm gear driven C axis rotary table



Innovative swivel milling head

Offers extra flexibility through fully automatic 0.001° indexing from vertical to horizontal positions by means of the torque motor. Multi-sided machining without re-setting the workpiece; manufacture of complex components with a single set-up; 5 sided machining without additional fixture; 5 axis machining in combination with a rotary table.



Latest QV Series vertical machining centres

	X	Y	Z	WT
QV117	1,100	710	610	9,000kg
QV137	1,300	710	610	10,000kg
QV147	1,400	710	610	11,000kg
QV159	1,500	900	850	14,000kg
QV179	1,700	900	850	15,000kg
QV209	2,000	900	850	16,000kg

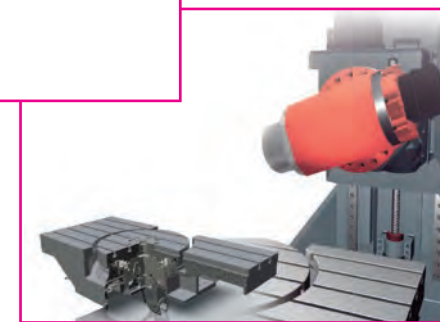
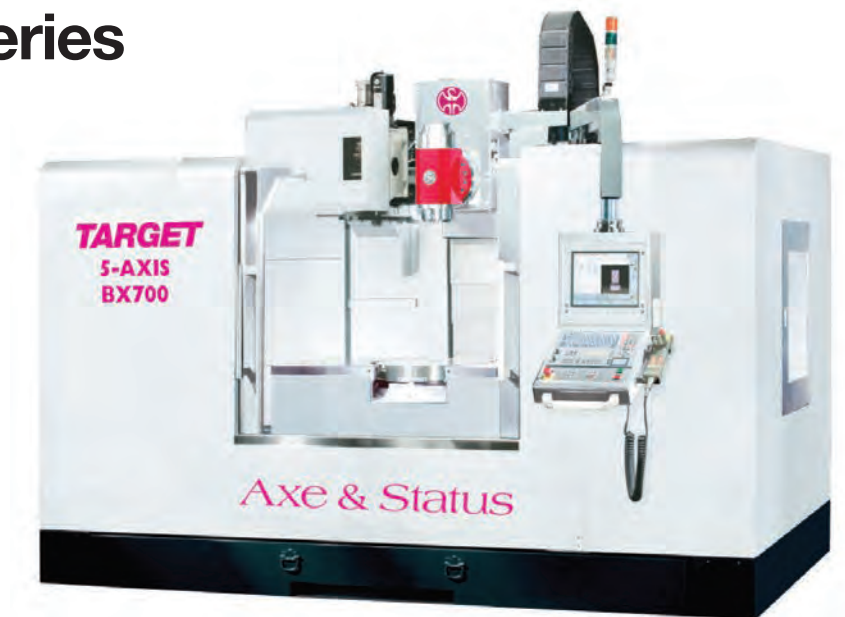


Latest 5 axis BX series

BX700, a high precision, 5 axis control vertical machining centre, that employs a swivel head with direct drive motor on the rotary table to achieve the highest productivity in 5 axis machining.

Special features

- Embedded 630 dia. table
- Tilting head ± 120 deg
- BT40 spindle, 15,000rpm
- 24 tool ATC
- Weight 12,000kg



	X	Y	Z
BX 300	1,140	610	610
BX 500	1,300	610	810
BX 700	1,400	610	810

Double column vertical machining centres

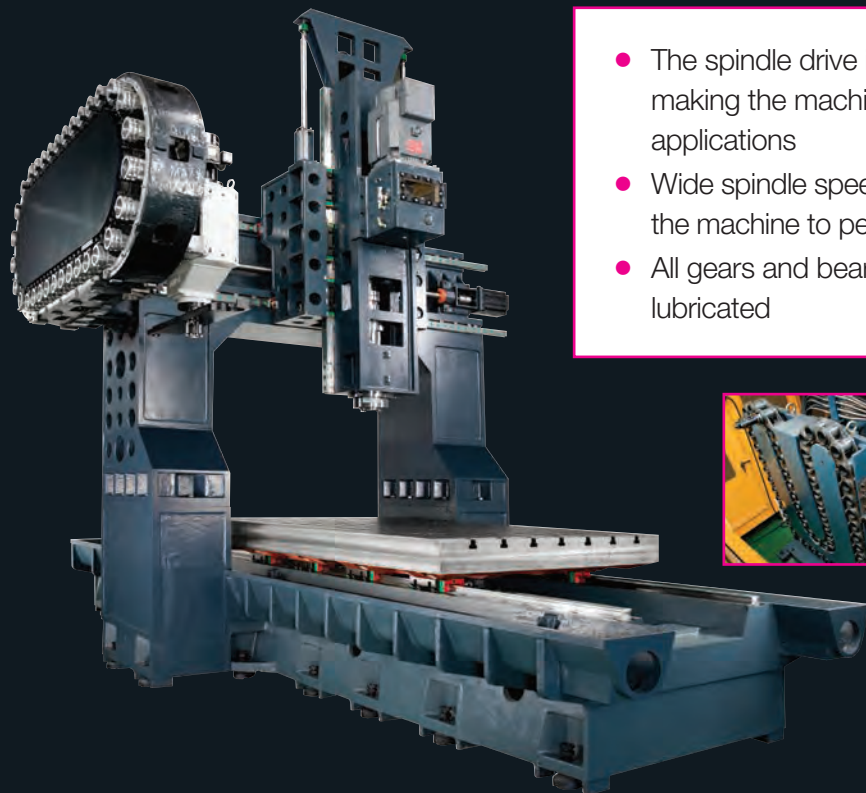
Special features

- High speed or geared head
- Coolant thru spindle
- Swarf management system
- Tool change 32 ATC
- Fanuc Oi-MD
- Roller linear ways
- Rigid RAM
- Powerful spindle
- BT50 8,000rpm
- Up to 8,000 x 3,500



	X	Y	Z	WT
DV 1432	3,200	1,400	900	17,000kg
DV 1442	4,200	1,400	900	18,000kg
DV 1722	2,200	1,700	900	21,000kg
DV 1732	3,200	1,700	900	22,500kg
DV 1932	3,200	1,900	900	23,500kg
DV 1942	4,200	1,900	900	25,000kg

- The spindle drive is transmitted through a gear box, making the machine excellent for heavy cutting applications
- Wide spindle speed range from 10 to 6,000 rpm permits the machine to perform heavy cutting and fine finishing
- All gears and bearings in the gear box are oil-bath lubricated



Durma CNC pressbrakes and shears

Electronic hydraulic synchro downstroking pressbrakes

- Cybelelec Mod Eva 10
- 4 axis Y1, Y2, X, R
- Wila table deflection motorised
- Sick infra-red guards
- Top and bottom tools
- Power back gauge 750mm
- Squaring arm and supports
- Handling rolls

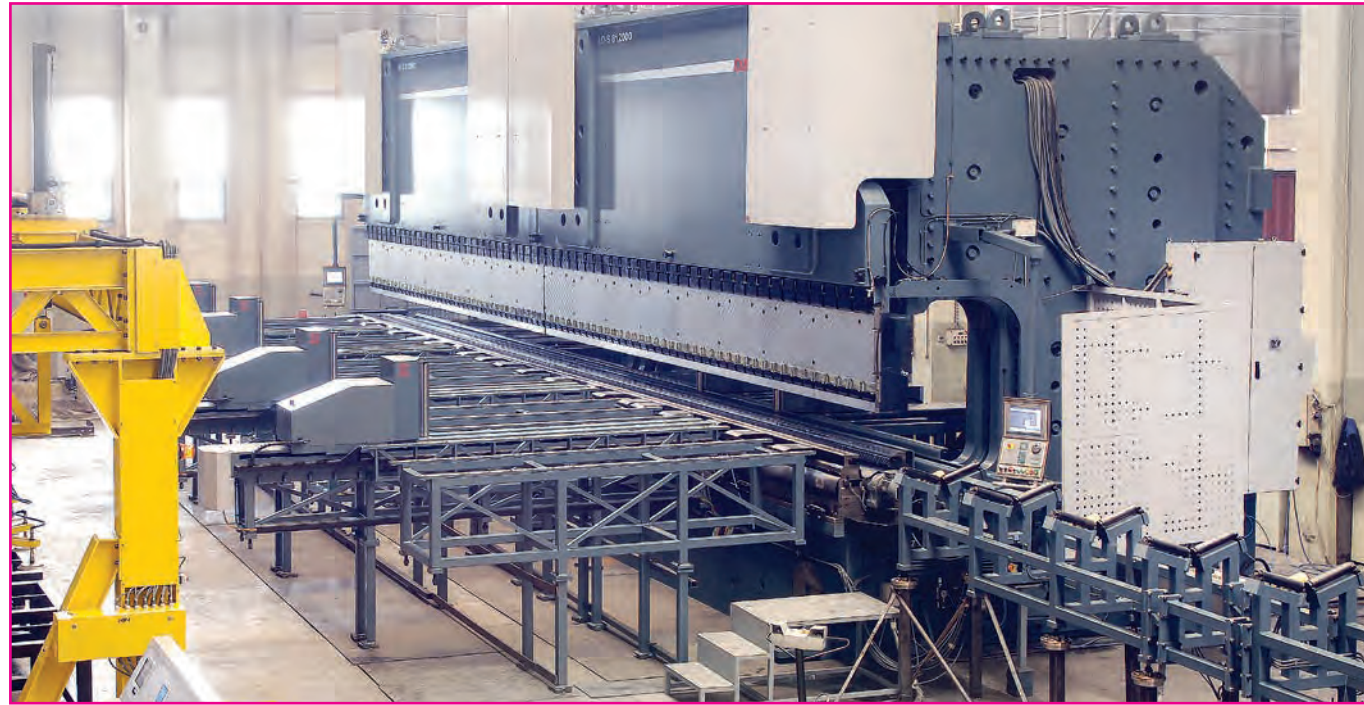


CNC rolls and metal forming

- HRB – 4 series (plate from 4mm to 168mm)
- HRB – 3 series (plate from 6mm to 25mm)
- HRB – 3V series (3 roll variable axis)
- MRB – S series (asymmetrical 3 roll)



FBS (flexible bending solutions)



VS Series Heavy duty variable rake shears



Durma laser cutting machines

The basis of all Durma laser machines is a rigid stress-relieved welded steel frame construction upon which a stiff gantry axis system moves the cutting head. The design guarantees accurate parts even when cut with the fastest cutting speeds and under the highest accelerations.



Durma plasma cutting machines

The PL-C (compact) series unitized frame concept and the PL series utilises systems where the table is independent of the two guide rails which are floor mounted.





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