



Bassra Machines

About Us

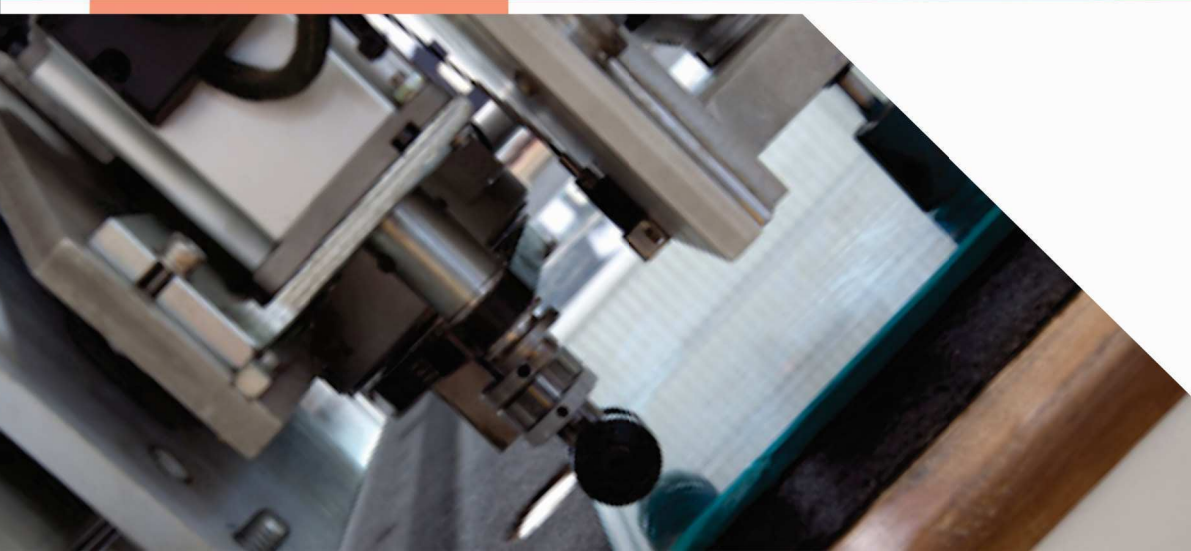
Bassra Machine Tools UK has been providing quality solutions to customer since 1983. Its been a leader in the filed of Glass Insulating lines, Glass Washing lines and Glass Cutting tables and lines. We give particular attention to innovations required by the market as well as to the customized automations in compliance with all initiative required towards energy saving. Our technical staff and sales staff together forms a good team to provide solutions to customers all over the world. Our aim to provide British technology at Affordable price has enabled us to have customers in 31 countries. Our customers have always appreciated that we used standard parts, which they can buy off the shelf from their local supplier in any country. Machines are so easy to maintain that customers can easily maintain themselves.

BMT Machines India Pvt. Ltd. has been formed in 2008 as an extra shoot coming out of the roots of its parent company Bassra Machine Tools Ltd. With growing demands of our machines in Asia we decided to set up a factory in India rather than in china to establish a better quality and service solution to our customers in Asia and Middle East at reasonable cost.. BMT Machines India have all engineers capable to speak in English and hence communication with the customers and its parent company in UK becomes easier and faster. All major Important parts used are coming from Europe or bought from the European companies established in India. Continuous supervision of Quality and Production by Bassra Machines UK team on daily basis and monthly visits gives an extra edge to this company to have very high UK quality produced in India.



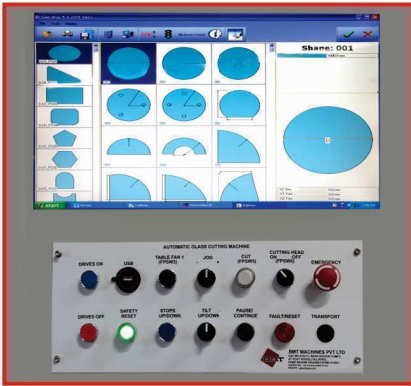
AUTOMATIC
**CUTTING
LINES**

CUTTING TECHNOLOGY



bassra
machine tools ltd

BMT AUTOMATIC CUTTING LINE



Automatic Cutting pressure adjustment when you choose glass thickness to cut. There is a recipe provided in the software, which chooses right cutting pressure for right thickness of glass automatically.

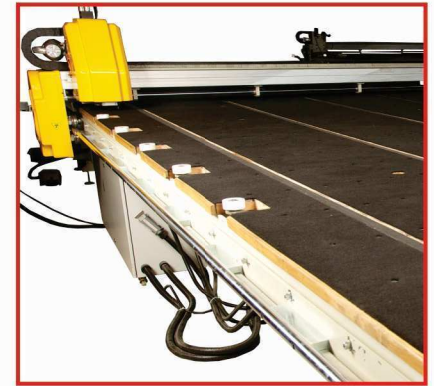
Special PC used with following features

- Data transfer via USB Key
- Wide screen
- Remote Access Control software for checking the machine remotely from our office.
- Fast Intel Processor with high capacity RAM and storage disk.
- Wireless internet facility to use Wifi in the factory.
- Anti Virus Software included.

Cutting wheel replacement is eased by the design of the machine and is carried out in a few seconds.

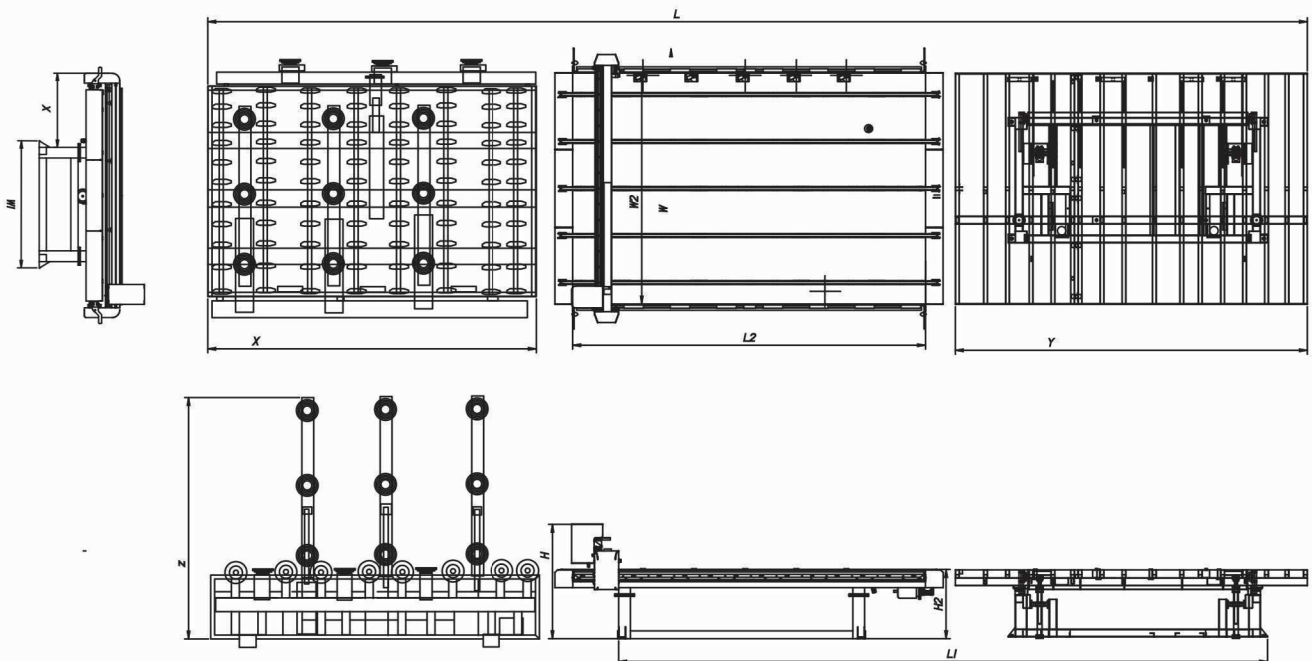
Movement transfer and measuring with gears (rack and pinion system) facing downwards which has advantage of impurities not depositing between teeth.

Axis controlled Servo Motors and drives are used in the machine for high speed and accuracy. Motors are Brushless.



Automatic Glass transfer from Loading Table to Cutting Table and then to Breaker bar table by transport belts.

Table is provided with automatic alignment stoppers which facilitates zero-zero alignment.



Technical Data

Double Side Loading Station to load from racks at each side. Options available to have tracks to load two or three racks on each side.

Separate Breaker Bar Table attached have pneumatic controlled breaker bars with foot paddle at each side of the table to operate from any side.



MACHINE MODELS		BMT-3627-XY-L	BMT-3627-XYZ-L	BMT-4227-XY-L	BMT-4227-XYZ-L	BMT-6032-XY-L	BMT-6032-XYZ-L
OVERALL DIMENSIONS IN MM	L	14000	14000	16000	16000	21100	21100
	W	3575	3575	3575	3575	4050	4050
	H	1460	1460	1460	1460	1460	1460
	L1	8290	8290	9590	9590	12990	12990
	W1	1780	1780	1780	1780	2255	2255
	L2	4500	4500	5250	5250	6900	6900
	W2	2950	2950	2950	2950	3425	3425
	H2	885	885	885	885	885	885
	X	1035	1035	1035	1035	1035	1035
	Y	810	810	810	810	810	810
Z	2800	2800	2800	2800	3400	3400	
WEIGHT		7600 kg	7600 kg	9600 kg	9600 kg	14500 kg	14500 kg

All details mentioned on this brochure are subject to change at any time. Our standard term & condition apply.

	BMT-3627-XY-L	BMT-3627-XYZ-L	BMT-4227-XY-L	BMT-4227-XYZ-L	BMT-6032-XY-L	BMT-6032-XYZ-L
OPERATING DATA						
Maximum Glass Size	3660 mm x 2740 mm	3660mm x 2740 mm	4250mm x 2740 mm	4250mm x 2740 mm	6000mm x 3210 mm	6000mm x 3210 mm
Maximum Glass Thickness	3 - 19 mm	3 - 19 mm	3 - 19 mm	3 - 19 mm	3 - 19 mm	3 - 19 mm
Cutting Speed	130 m/min	130 m/min	130 m/min	130m/min	130 m/min	130 m/min
Cutting Tolerance	+/- 0.20 to 0.25 mm	+/- 0.20 to 0.25 mm	+/- 0.20 to 0.25 mm	+/- 0.20 to 0.25 mm	+/- 0.20 to 0.25 mm	+/- 0.20 to 0.25 mm
Air Pressure	7 bar	7 bar	7 bar	7 bar	7 bar	7 bar
Voltage	415 V 3NPE	415 V 3NPE	415 V 3NPE	415 V 3NPE	415 V 3NPE	415 V 3NPE
Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Total power	25 KW	25 KW	30 KW	30 KW	40 KW	40 KW
Axis Control	Servo Controlled	Servo Controlled	Servo Controlled	Servo Controlled	Servo Controlled	Servo Controlled
Axis Movements	Rack and Pinion	Rack and Pinion	Rack and Pinion	Rack and Pinion	Rack and Pinion	Rack and Pinion
Optimization Software	OPTIMA	OPTIMA	OPTIMA	OPTIMA	OPTIMA	OPTIMA
Operating System	Microsoft Windows	Microsoft Windows	Microsoft Windows	Microsoft Windows	Microsoft Windows	Microsoft Windows
Data Transfer to Cutting Table	Network Cable or USB	Network Cable or USB	Network Cable or USB	Network Cable or USB	Network Cable or USB	Network Cable or USB
Shape Cutting	✘	✔	✘	✔	✘	✔
Automatic Cutting Pressure	✔	✔	✔	✔	✔	✔
Automatic Speed Adjustment	✔	✔	✔	✔	✔	✔
Automatic Alignment of Glass	+	+	+	+	+	+
Electronic Lubrication	✔	✔	✔	✔	✔	✔
Remote Access	✔	✔	✔	✔	✔	✔
Sensors for Safety (Built in the machine)	✔	✔	✔	✔	✔	✔
Cutting Oil Tank	✔	✔	✔	✔	✔	✔
Blowers	✔	✔	✔	✔	✔	✔
Breaking Bars (X+Y) on Breaker Bar Table	✔	✔	✔	✔	✔	✔

✔ Standard ✘ NA + Option

Very Robust Structure made up of thick and heavy Metal, protected by Powder coating Paint (chemical cleaning, primer and powder coating), for good finish and rust-prevention for many years.

Accurately flat and carpet padded wooden table surface. The wooden board used is special thick board made to order for this machine. This gives a long life and smooth straight surface to the table for good cutting quality.

Power full air cushion on breaker bar table for better flotation of bigger and heavy sheets. This will reduce friction and enables easy handling of glass.

The Operator is trained in very easy way so that he can remember all instructions. Retraining programs can also be done online with remote access feature of the machine.

Safety Sensors on all 4 side of cutting table to avoid any accidents if any worker just enters the area when machine is working then machine stops automatically.

Electrical system compliant with general safety rules

OPTIMA Optimiser Programme is available with the machine in various options of languages and features.

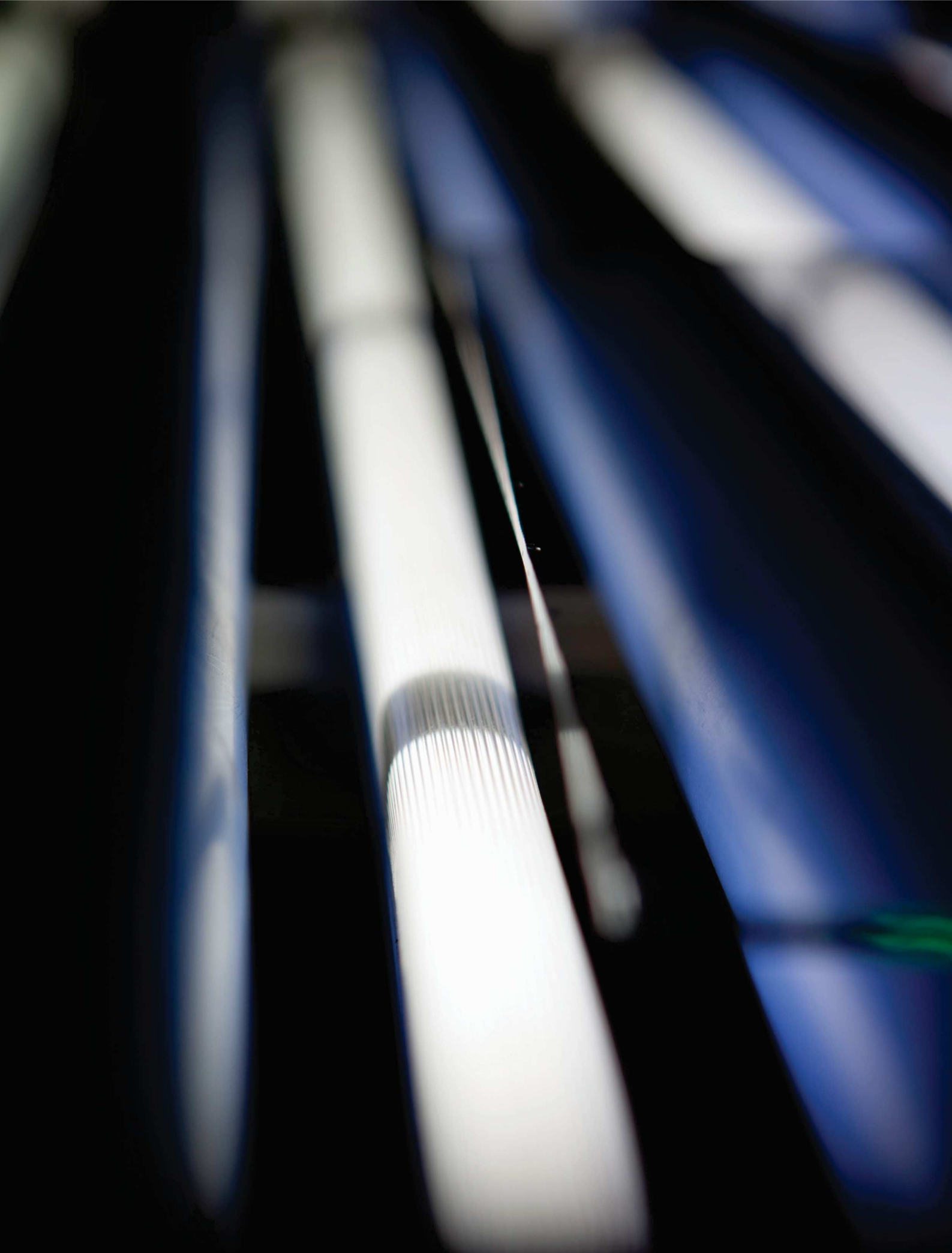
Software is Microsoft Window Based System so that any operator can understand very easily.

The Software on the machine have many controls as mentioned below. This enables to check all controls individually while servicing the machine.

- Cutting pressure
- Acceleration and Deceleration,
- Speed
- Oil start and stop
- Head movement
- Head up and down
- Simulation Mode
- Blower On/Off
- Automatic Mode/ Manual Mode
- Belts Transfer

Options :-

- Laser scanner system for odd shapes
- Low-E Edge Deletion system for straight and shape glass
- Double zero for cutting of Laminated glass
- Vinyl Cutting



99 Spring Road • Tyseley • Birmingham B11 3DJ • England • UK ,
Tel: +44 (0) 121 707 4343 • fax: +44 (0) 121 707 3535 ,
Email: cjk@bassra.com, sales@bassra.com • Website www.bassra.com