



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.

# PANEL PRESS LINE

## INSULATING TECHNOLOGY

Bassra Machine Tools Ltd.  
99 Spring Road, Tysley, Birmingham  
B11 3DJ, United Kingdom  
Tel :- +44-121-7074343, Fax :-+44-121-7073535  
Email :- [cjk@bassra.com](mailto:cjk@bassra.com), [sales@bassra.com](mailto:sales@bassra.com) , Website :- [www.bassra.com](http://www.bassra.com)



# BMT Automatic Panel Press Line



## Technical Data

The structure of the machine is very strong and robust

All parts touching water are made of non-corrosive material like SS, Plastic or Rubber. Motorized Inlet and Outlet Conveyor with both having black back panels

The motors for Brushes and Drive conveyor are outside and very easy to approach for any maintenance.

### • Inlet and Outlet unit : -

Automatic drives which pushes the glass in and pulls the glass out of the washer automatically.

Outlet Conveyor has inspection lights and a sensor at the end

### • Washing and drying unit :-

Machine is prepared to accept demineralized water/ RO Water.

Washing is done by Cylindrical brushes which works at High speed and spray the water uniformly.

Brushes are having big diameter and have inward adjustment on bearing housing which means after some wear and tear you can make the brushes go inwards and hence its life long lasting.

Brushes are very easy to replace which can be done by any operator without any help or guidance.

All Front Brushes are Soft Brushes and are capable to wash Low E Glass

Each pair of brushes have a separate water tank compartment with separate pump and filter.

Water Tanks are fitted with Heaters for Hot Water for better cleaning of glass.

Water tank fitted with float valve for controlling the water level it shows a light when the water level is low.

Water tanks are easy to detach, drain water and clean.

Drying is done by special air knives which are connected to high Pressure fan.

Fan sits inside a sound insulated Enclosure which meets the standards.

- Options :-
- Hot air drying facility for better and fast drying (OPTION)
  - Brush Speed Control System
  - Brushes moving backward with Pneumatic Cylinder to enable to wash Special Low E Glass.



#### • Assembly Rack :-

This unit is there for the use of aluminium spacer bar. The second Glass comes here and the spacer frame is applied here before it goes to panel press unit. Right angling unit enabling easy placement of the spacer profiles.

#### • Panel press :-

It is Fully Controlled by PLC for all its functions and sequence. The machine has touch screen system which displays all parts of line and its sensors which enables anyone to do fault finding. Display system shows operation of the line in text format on one of the screen in the program. Pressing function is done by Flat Panel. Suction pads inside the machine is used to pick the glass and place it in right position. Alignment of two/three pieces of double or triple glass or step glass is done inside the press automatically.

Homogeneous Pressing is done automatically for the right time required according to the size of glass as this is already in the program of PLC recipe. The machine can work on manual mode also to enable it to press oversized glass sheets.

Machine is capable of doing double and triple glazed units and step glass function is available as option.

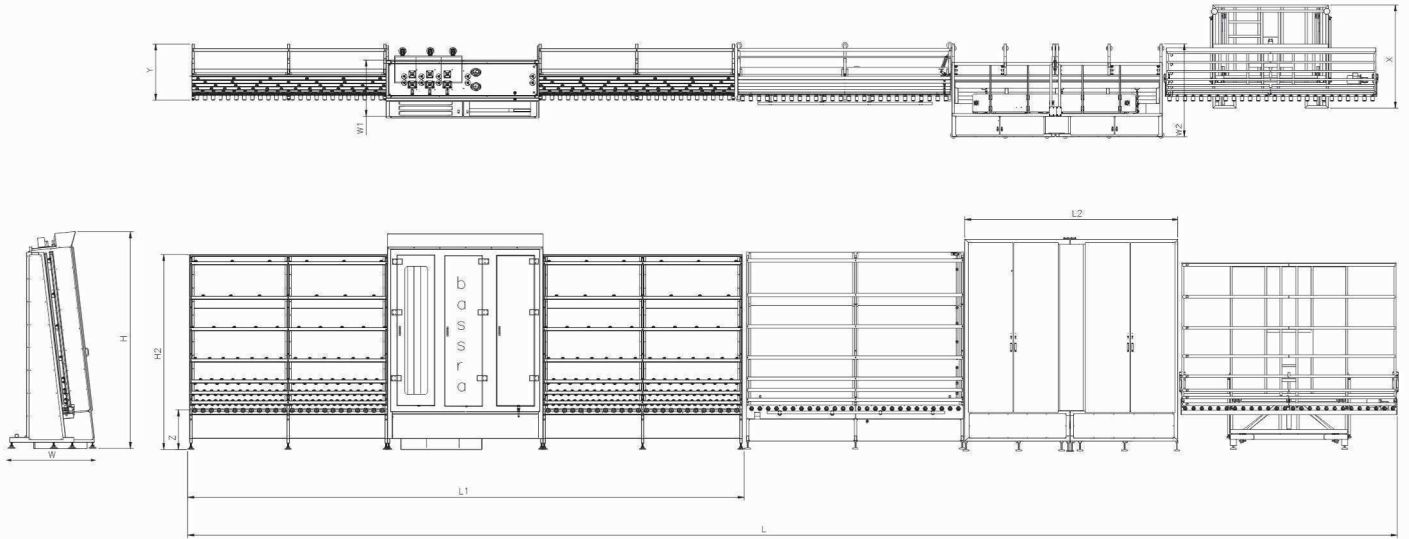
#### • Tilting table :-

Motorized rack which has tilting facility. It has round wheels which is used for easy movement of glass unit in horizontal position to unload big pieces or to transport to sealing table or castor table for the next step which is secondary sealing.

#### Options :-

- Extra racks for enabling machine to increase the production capacity as more units will be waiting on those racks which one is already in press
- Step Glazing Function.

# BMT Automatic Panel Press Line



MACHINE MODELS		BMT-1.7-4-APPL	BMT-1.7-6-APPL	BMT-2.0-4-APPL	BMT-2.0-6-APPL	BMT-2.5-6-APPL
OVERALL DIMENSIONS IN MM	L	17150	17800	17150	17800	19720
	W	2200	2200	2200	2200	2700
	H	2700	2700	3000	3000	3500
	L1	8150	8790	8150	8790	9070
	W1	930	930	930	930	930
	L2	2980	2980	2980	2980	3480
	W2	1540	1540	1540	1540	1540
	H2	2375	2375	2675	2675	3175
	X	1710	1710	1710	1710	1710
	Y	930	930	930	930	930
Z	640	640	640	640	640	
WEIGHT		4800 KG	5100 KG	5200 KG	5500 KG	6000 KG

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



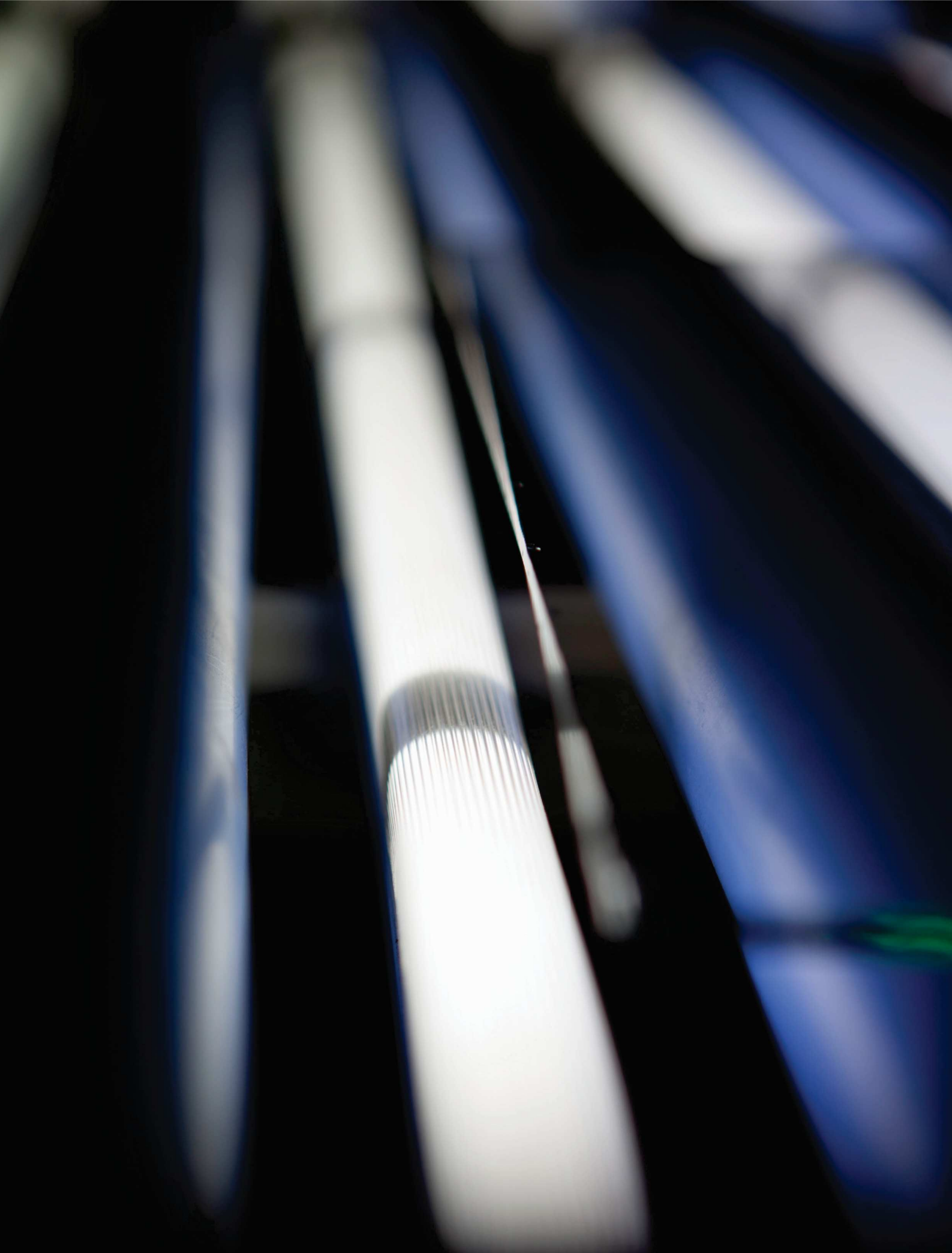
Conveyers have Special Rollers made of Poly Urethane which has long life and very easy to change.  
Conveyer Speed has a speed controller which is used to increase or decrease the speed.



Panel press unit has touch screen panel, homogenous pressing by flat press. Double triple and step glazing (option) is possible.

✓ Standard   ✗ NA   + Option

	BMT-1.7-4-APPL	BMT-1.7-6-APPL	BMT-2.0-4-APPL	BMT-2.0-6-APPL	BMT-2.5-6-APPL
<b>OPERATING DATA</b>					
Max height of the Glass	2700mm x 1700mm	2700mm x 1700mm	2700mm x 2000mm	2700mm x 2000mm	3000mm x 2500mm
Min Glass Size	360mmX170mm	360mmX170mm	360mmX170mm	360mmX170mm	360mmX170mm
Air Pressure	7 bar	7 bar	7 bar	7 bar	7 bar
Voltage	400 V 3NPE	400 V 3NPE	400 V 3NPE	400 V 3NPE	400 V 3NPE
Total Power	17.5 KW	18 KW	25 KW	27 KW	32 KW
No. of Brushes	4	6	4	6	6
Open Top	✓	✓	✗	✗	✗
Speed of Washer	6m/min	6m/min	6m/min	6m/min	6m/min
Speed Control System on Conveyer	✓	✓	✓	✓	✓
Pre Rinse Section	✓	✓	✓	✓	✓
Brush Adjustment Backward for Special Soft Low E glass	+	+	+	+	+
Brushes with Speed Control system	+	+	+	+	+
Can Wash Low E Glass	✓	✓	✓	✓	✓
No. of Low E Brushes	2	3	2	3	3
No of Compartments in Water Tank	2	3	2	3	3
Hot Water Cleaning	✓	✓	✓	✓	✓
Sensors on all Racks	✓	✓	✓	✓	✓
Lights for Inspection	✓	✓	✓	✓	✓
Max.unit thickness	60 mm	60 mm	60 mm	60 mm	60 mm
Double and Triple Glass	✓	✓	✓	✓	✓
Step Glass	+	+	+	+	+
Auto Gas Filling	+	+	+	+	+
Tilt Table for Unloading	✓	✓	✓	✓	✓
Can be upgraded to fully automatic sealing by adding sealing robot	+	+	+	+	+
Per unit speed with tilt	35 sec	35 sec	35 sec	35 sec	35 sec



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](mailto:cjk@bassra.com), [sales@bassra.com](mailto:sales@bassra.com) • Website [www.bassra.com](http://www.bassra.com)