SeamMaX-X Pro Technical Data

1.1 General data

Basic data		Dimension	Unit	Dimension	Unit
Glass size max.		4000x2500	[mm]		[Inches]
Glass size min.		200x375	[mm]		[Inches]
Glass thickness max.		12	[mm]		[Inches]
Glass thickness min.		3	[mm]		[Inches]
Direction of Operation		N,E,N			
Load Conveyor Height		910+/- 25 (PVC)	[mm]		[Inches]
Exit Conveyor Height		900+/- 25	[mm]		[Inches]
Load Conveyor Transport Speed		App. 35M/Min			
Exit Conveyor Transport Speed		App. 30M/Min			
Line Cycle Time Quoted		14-16 secs	for 1.1m² piece		
Compressed Air Supply	Pressure	Min. 6.0	[bar]		[psi]
	Flow rate	Min. 15.0	[Nm^3/h]		[ft^3/min]
Electrical Supply	Mains Voltage	3 Phase 400 V			
	Frequency	50Hz			
	Control Voltage	24V DC			
	Mains Breaker Size	112A	Kw		
Water Supply (City Water)	Pressure	Min 2	[bar]		[psi]
	Flow Rate	10	[Nm^3/h]		[ft^3/min]
Ambient temperature	Max.	35	[°C]		[°F]
	Min.	15	[°C]		[°F]
	Air Conditioning in Control Cabinet	No			
Glass Type to be Processed (list all special coatings)		Plain Float Glass, Low E Soft Coat			
Ashton Industrial Works Order Number		L18			
Ashton Industrial Quotation Number					

Horizontal Washing Machine Equipment Data

1.1 General data

Basic data		Dimension	Unit	Dimension	Unit
Glass size max.		2800 wide	[mm]		[Inches]
Glass size min.		200x375	[mm]		[Inches]
Glass thickness max.		19	[mm]		[Inches]
Glass thickness min.		3	[mm]		[Inches]
Direction of Operation (A or B)		N/A			
Working Height		900+/- 25	[mm]		[Inches]
Compressed Air Supply	Pressure	N/A	[bar]		[psi]
	Flow rate	N/A	[Nm^3/h]		[ft^3/min]
Electrical Supply	Mains Voltage	3 Phase, Earth and Neutral 400 V			
	Frequency	50Hz			
	Control Voltage	24V DC			
	Mains Breaker Size	105	Amps		
Water Supply (City Water)	Pressure	2	[bar]		
	Flow Rate	10	L/min		
It is the customer's responsibility to ensure they have complied with any local or national law relating to the connection of services.					
Ambient temperature	Max.	35	[°C]		[°F]
	Min.	15	[°C]		[°F]
	Air Conditioning in Control Cabinet	No			
Glass Type to be Processed (list all special coatings)		Plain Float Glass, Soft Coat Glass			
Ashton Industrial Works Order Number		L19			
Ashton Industrial Quotation Number					

Standalone Arrissing Equipment Data

1.1 General data

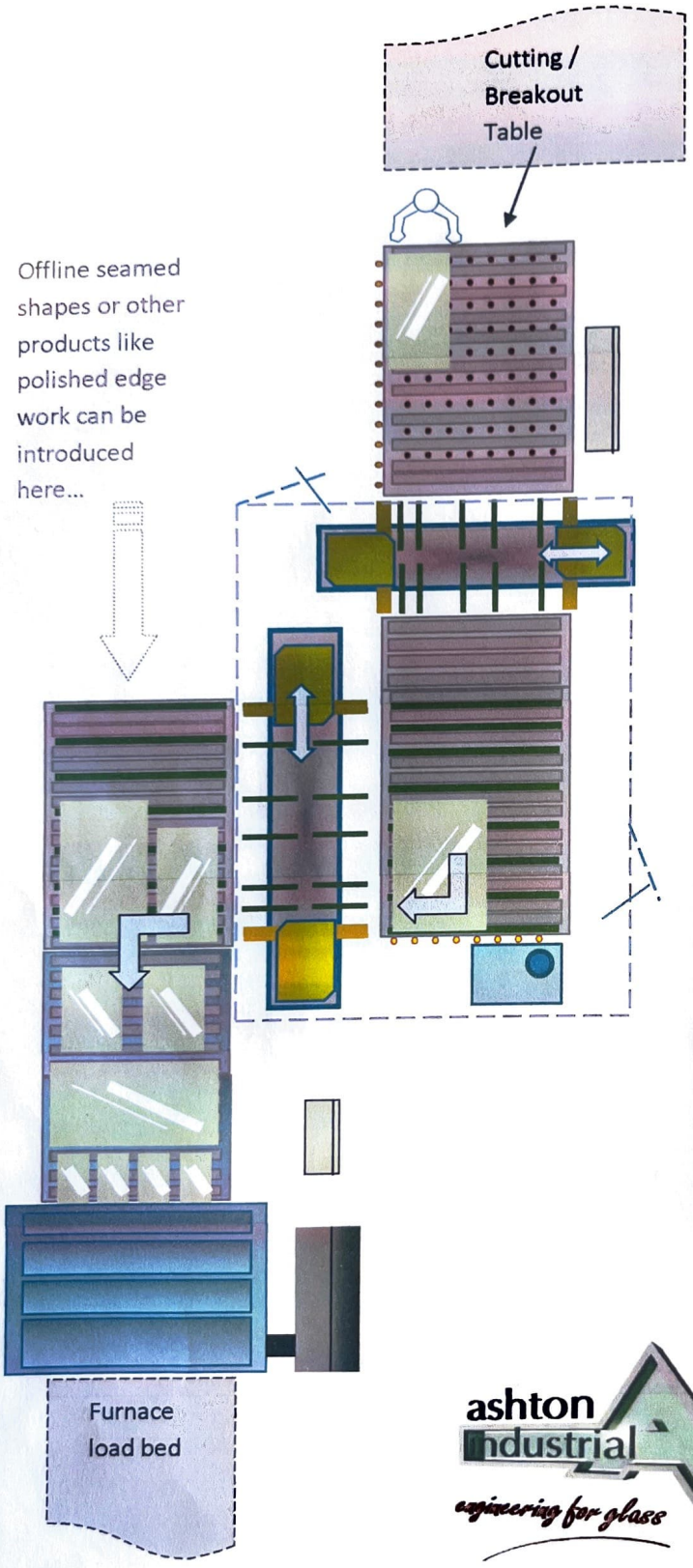
Basic data		Dimension	Unit	Dimension	Unit
Glass size max.		2500x2000	[mm]		[Inches]
Glass size min.		300x300	[mm]		[Inches]
Glass thickness max.		12	[mm]		[Inches]
Glass thickness min.		3	[mm]		[Inches]
Direction of Operation		N/A			
Working Height		900+/- 25	[mm]		[Inches]
Compressed Air Supply	Pressure	Min. 6.0	[bar]		[psi]
	Flow rate	Min. 15.0	[Nm^3/h]		[ft^3/min]
Electrical Supply	Mains Voltage	3 Phase, Earth and Neutral 400 V			
	Frequency	50Hz			
	Control Voltage	24V DC			
	Mains Breaker Size	30	Amps		
Water Supply (City Water)	Pressure	2	[bar]		
	Flow Rate	10	L/min		
It is the customer's responsibility to ensure they have complied with any local or national law relating to the connection of services.					
Ambient temperature	Max.	35	[°C]		[°F]
	Min.	15	[°C]		[°F]
	Air Conditioning in Control Cabinet	No			
Glass Type to be Processed (list all special coatings)		Plain Float Glass, Low E Coated Glass			
Ashton Industrial Works Order Number		L20			
Ashton Industrial Quotation Number					

OPTION 4

A
B
C
1
2
3
4
5
6
Transformer plinth.
Sw/gear plinth.
Electricity Sub Station.
11
10
9
8
7
6
5
4
3
2
1
OPTIME GLASS L SHAPE

SEAMMAXX-PRO Z-SHAPE LAYOUT WITH AUTOMATIC BATCHING

Extremely efficient & popular high-speed layout shown left-to-right, can also be right-to-left



Depicted with standard end-loading roller conveyor with integrated pop-up castors and side datum guide wheels.

Automatic 90-degree transfer with trailing-edge squaring beam.

Washing machine (offered separately or can be customer's own)

The length & width of each lite is automatically measured during the arrissing/seaming process. After arrisser #2 lites are automatically built into rows on the adjacent conveyor. From there, multiple rows are accumulated on the batching section before the washer, ready to be called into the washer and on to the furnace when a free signal is received.

Typical output is determined either by the furnace cycle time or by the number of pieces in a batch. Typical seaming cycle time per lite, depending on size, is between 10 and 12 seconds (15 seconds for largest sizes).

Washer speed is not a limiting factor because multiple lites are being washed in a single pass. So for example if the wash speed is 12m/min and the batch length is 4m then the washing time for the whole batch is around 20 seconds, well within the furnace cycle time.

ashton industrial
engineering for glass