

Transforming every architectural design into reality, requires state-of-the-art equipment and up-to-date technology

# equipment review



**18 Cathode Coating Line to produce solar control, single and double silver coatings**

**AFZ A2540 Z3 H18**

Max glass dimension: 2400 x 3600mm

## welcome to the factory

Operating from Al Abbar's primary facility in Ras Al Khor Industrial Area in Dubai, AAG houses its array of state-of-the-art equipment and production facilities making it an all-inclusive glass processor in the Middle East today.



## cutting lines

### **LISEC JUMBO CUTTING LINE with Robotized Feeding System**

Max Dimension: 3000 x 6000mm  
Thickness (FT): 3 - 19mm  
Edge deletion  
Shapes (Auto)

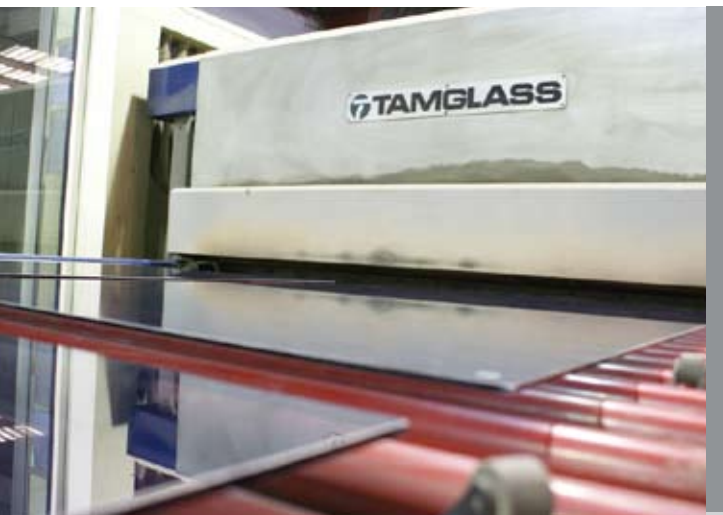


### **BOTTERO BMA / BMK**

Max Dimension: 2440 x 3600mm  
Thickness (FT): 3 - 19mm

### **BYSTRONIC XY71**

Max Dimension: 2550 x 3550mm  
Thickness (FT): 3 - 19mm



## flat tempering lines

### **TAMGLASS HTF III**

Max Glass Size: 2400 x 4800mm  
Thickness (FT): 4 - 19mm  
Thickness (HS): 6 - 8mm



### **TAMGLASS MAGNUM PRO-E**

Max Glass Size: 3300 x 7500mm  
Thickness (FT): 4 - 19mm  
Thickness (HS): 6 - 10mm

## bending lines

### TAMGLASS PROBEND CB2436/2442

Loading area: 6mm 2000 (girth) x 3200mm  
8/10/12 2400 (girth) x 3600mm  
15mm 1700 (girth) x 1000mm  
Minimum radius: 1500mm  
Minimum glass size: 1000 x 1000mm  
Size thicknesses: 6 to 15mm  
Max bending angle; 90° (1/4 circle)

### GLASS ROBOTS

Model / Type: TSF220/320 COMBI  
Loading area: 2000 (girth) x 3200mm  
Minimum radius: 400mm  
Minimum glass size: 0400 x 0200mm  
Size thicknesses: 6 to 15mm  
Max bending angle; 90° (1/4 circle)



## double glazing lines

### LISEC LV 50/25

Max Dimension: 2500 x 5000mm  
Min. Dimension: 180 x 350mm  
Max thickness: 49mm  
Max load: 450kg  
Stepped edges: 2 & 4 sided  
Robotized Dual Seal (polyurethane/silicone)  
Gas Filling

### LISEC LV 35/25

Max Dimension: 2500 x 3500mm  
Min. Dimension: 180 x 350mm  
Max thickness: 49mm  
Max load: 450kg  
Stepped edges: No  
Robotized Dual Seal (polyurethane/silicone)



## laminating equipment

### **TAMGLASS SFL2545**

Max glass size: 2500 x 4500mm

Min. glass size: 400 x 500mm

Max thickness: 60mm

Min. thickness: 6.4mm

Max load: 350kg



### **AUTOCLAVES**

#### **VAHASILTAOY NIL IP3047**

Max glass size: 2500 x 4500mm

#### **IVACO TS2210039**

Max glass size: 2500 X 6000mm



## silkscreening & dryer

### **JOISON JUMBO**

Max Print Size: 2500 x 3500mm

Min Print Size: 300 x 300mm

Max Screen Frame: 2600 x 3700

Thickness Acceptance: 3-15mm

### **FLEISCHLE LP-HA 20/30**

Max Print Size: 2000 x 3000mm

Min. Print Size: 300 x 300mm

Max Screen Frame: 2600 x 3700

Thickness Acceptance: 2-19mm

Stencils: in-house produced, standard patterns, custom designs

Color: Mono, dual with restrictions



## heat soaking & de-airing



### EFCO LTD. HEAT SOAK OVEN

Max glass dimension: 2500 x 4500mm  
Oven load: 5000kg (including trolley)  
Cycle time: ambient - 290°C (3.0hrs)  
Soak/holding time: 8.0 / 2 hrs  
(EN 14179)  
Max serv. t°: 300°C



### GLASS ROBOTS DE-AIRING CABIN (Curved Glass)

Max glass dimension:  
1600 x 2500  
3000mm

## vertical edging

### BAUDIN 681ST

Max glass dimension: 2500 x 3500mm  
Min glass dimension: 120 x 150mm  
Edge type / angles: round, flat  
Thickness acceptance: 3 - 20mm  
Maximum load: 1000kg

### SCHIATTI RI / 6M

Max glass dimension: 2500 x 3500mm  
Min glass dimension: 120 x 150mm  
Edge type / angles: round, flat  
Thickness acceptance: 3 - 20mm  
Maximum load: 1000kg



## cnc double edger

### CMB

Max glass dimension: 2500 x 4000mm  
Min glass dimension: 200 x 400mm  
Edge type / angles: flat, pencil  
Thickness acceptance: 19mm



horizontal shape edger



### Z. BAVELONI P3

Max glass dimension:  $\varnothing$  2100mm  
 Min glass dimension:  $\varnothing$  0100mm  
 Edge type / angles: flat, pencil  
 Thickness acceptance: 3 - 50mm  
 Edging speed: 100m/min

## CNC drilling equipment



### SCHIATTI FPD60

Glass thickness: 2 - 28mm



### CMB - CNC

Glass thickness: 3 - 20mm  
 Max glass dimension: 2400 x 5000mm  
 Max dia holes: up to 60mm

## compliances

### TEST REPORTS

AAG - dur	heat strengthened glass	EN 1863
AAG - safe	fully tempered glass	EN 12150 & EN 12600
AAG - soak	heat soak tested glass	EN 14179
AAG - therm	insulated glass unit	EN 1279 (polyurethans / silicone)
AAG - lam	laminated glass	EN 12543 & EN12600
AAG - mar	maritime structures	ISO 614
CoolRay	solar & Low-E coating	EN 1096 class D
CoolPane	solar control coating	EN 1096 class B
e-Cool	low-E coating	EN 1096 class D

### CERTIFICATIONS

Vincotte	Quality Management	ISO 9001
Lloyd's Register	Quality Management	IQ-net
Glaverbel	Testing	ISO 3254, ISO 1095, ISO 614
	Pre-processing and IGU	Stopspray
	Processing, heat treatment, IGU	Planibel Top Nt
Guardian	Processing, heat treatment Sunguard	
	Processing, heat treatment Climaguard	

### CERTIFICATIONS UNDER PROCESS

IGCC / TNO	Insulated Glass certification Council	IGCC # 2247 - P
SGCC / TNO	Safety Glass certification Council	SGCC # 3556; 3557; 3558; 3559; 3560
IGMA	label	
CE / EN		

### MEMBERSHIPS

Emirates Environmental Group  
 Emirates green Building Council