

ASG

UNDERSTANDING GLASS

Factory Capabilities

Preface

ASG (Architectural Solutions Glass), has been established in Australia for over 20 years, in which we have become one of the largest suppliers of architectural glass by adhering to our philosophy of putting Innovation and customers first.

Our success is built upon our understanding of our customers' needs and our stringent manufacturing quality.

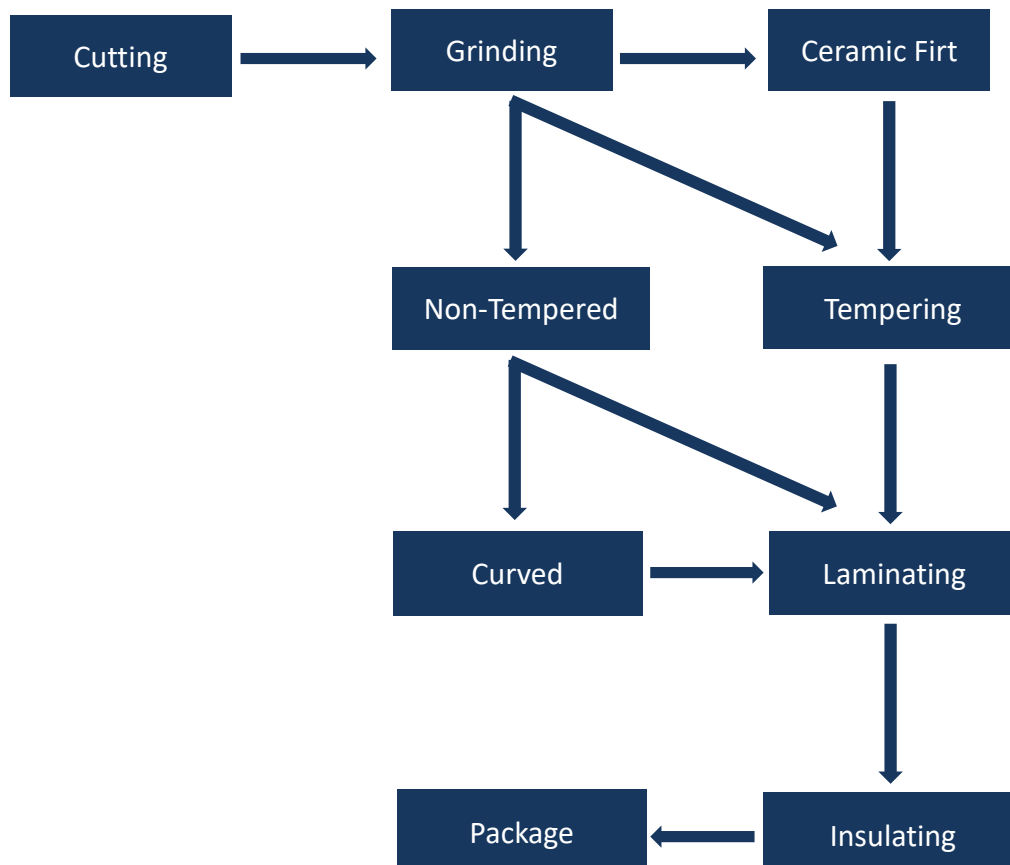
Many of our landmark projects have achieved 4, 5 and 6 Green Star certified rating by GBCA (Green Building Council of Australia).

We are passionate about helping shape Australia's future, and to optimally serve our customers through providing quality products and excellent service.

There are four main ASG Production bases:

1. Shaoxing, China
2. Heyuan, China
3. Negeri Sembilan, Malaysia
4. Tianjin, China

A typical process of production for our factories is shown below.





Production Facility: Shaoxing

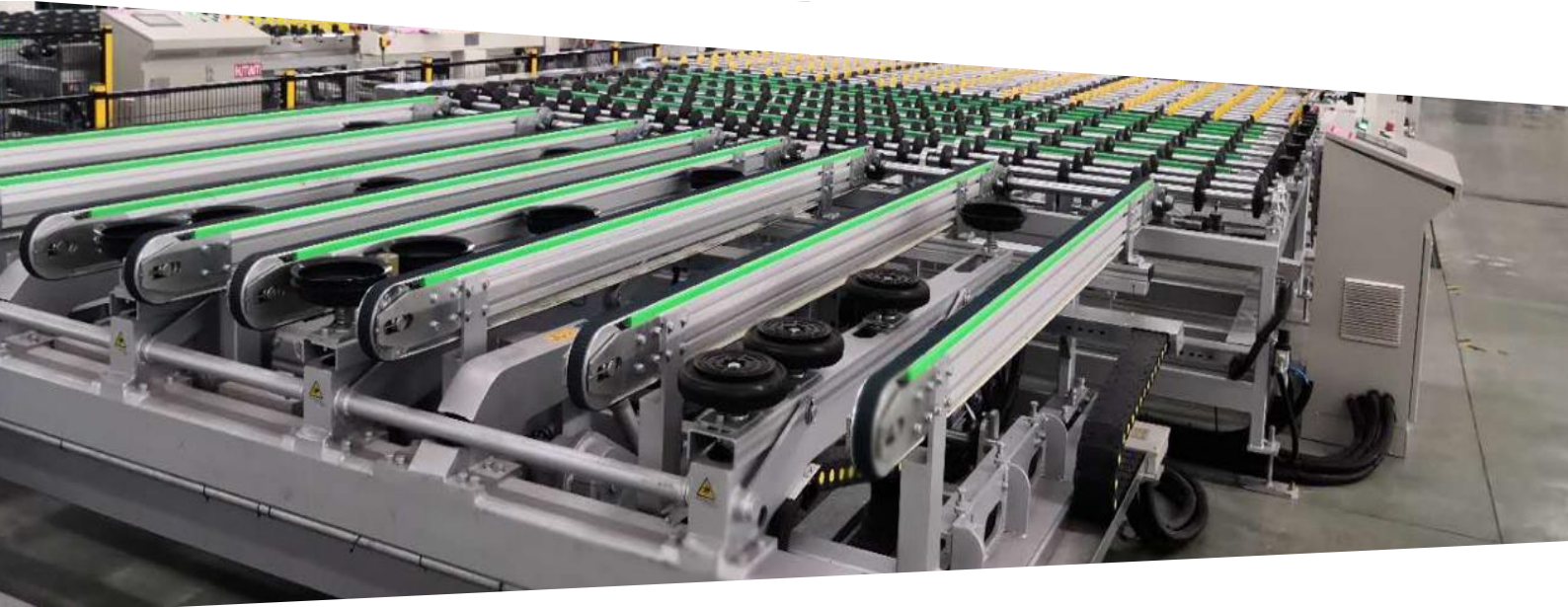
Glass Cutting and Stock sheet Inventory

- Glass cutting lines: 3
- Glass thickness: 2-25 (mm)
- Minimum size: None
- Maximum size: 3300*6100 (mm)
- Processing Capability: Cuttable Profile



Edge work, Hole cutting and CNC

- Edge grinding line: Line 1 | Line 2 | Line 3
- Glass thickness: 3-12 | 3-30 | 3-30
- Minimum size: 300*300 | 300*300 | 300*300
- Maximum size: 2500*3000 | 2500*4200 | 2500*6000
- Processing Capability: Processable and Machinable fine grinding





Toughening Furnace

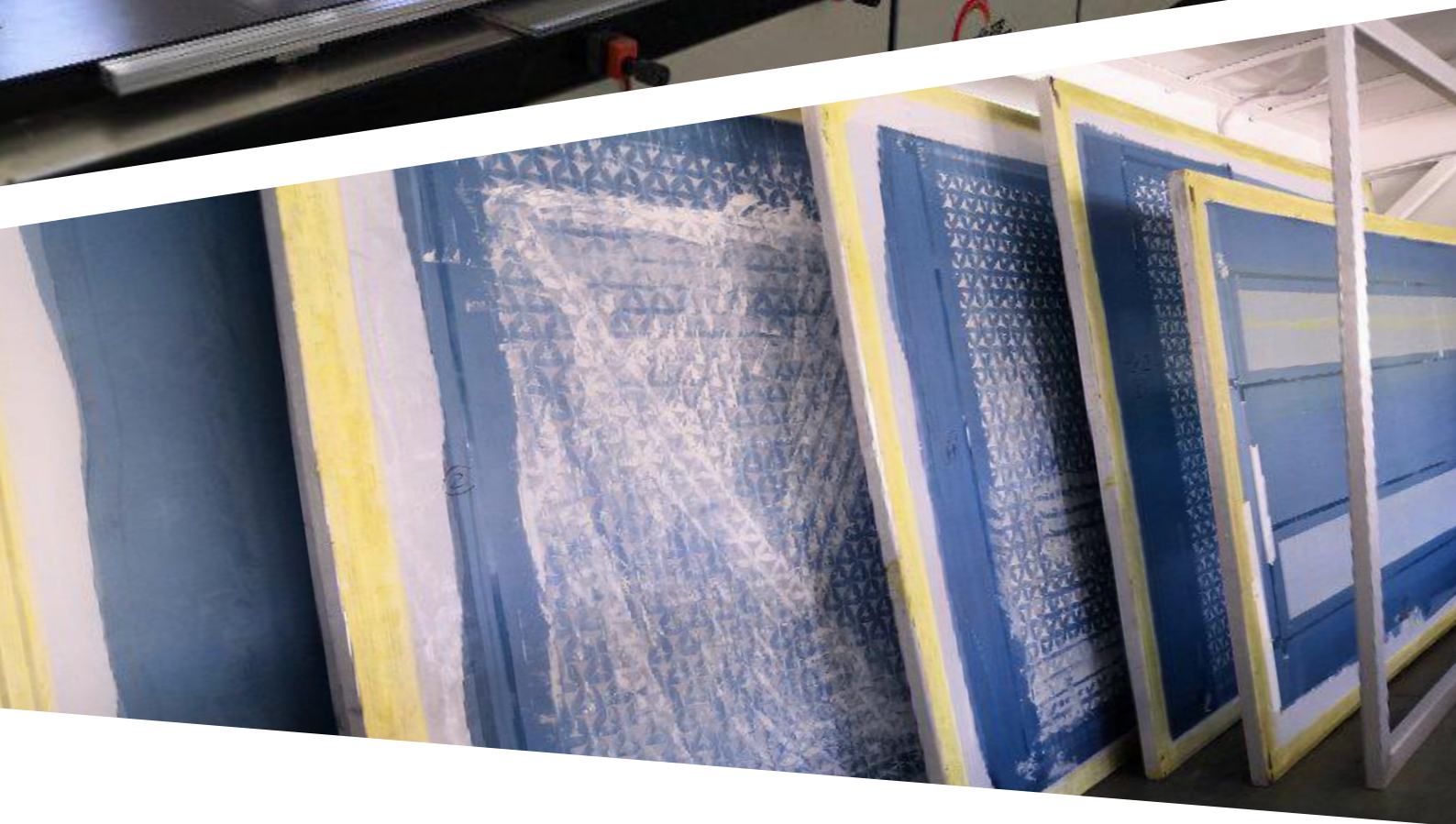
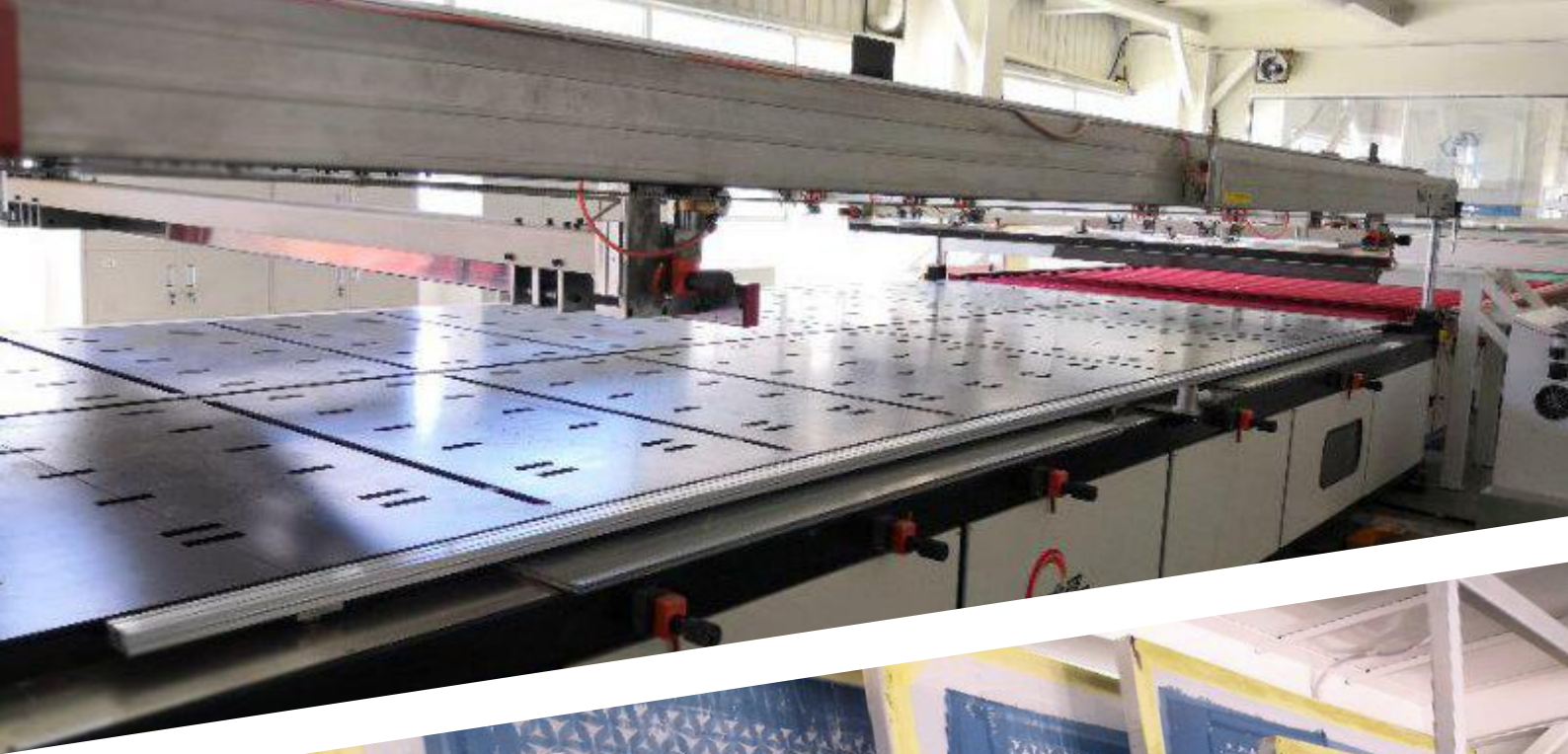
○ Tempered Furnace:	Line 1	Line 2
○ Glass thickness:	4-10	5-19
○ Minimum size:	300*400	180*350
○ Maximum size:	1800*4500	2440*12000
○ Steel processing range:	4-10	5-19
○ Semi-steel processing range:	6-10	5-12
○ Steel LOW-E coated glass:	-	E value ≥ 0.01



Laminated

- Lines: Mezzanine
- Glass thickness: 3-19
- Minimum size: 400*400
- Maximum size: 2500*5000
- Processing Capability: Manually splicing
- Maximum splicing size: 2500*10000





Ceramic frit and Screen Printing

- Glass thickness: 3-19 (mm)
- Minimum size: 700*800
- Maximum size: 2500*6000
- Processing Capability: Manual processing of glass minimum size 300mm*300mm

Heat Soaking

- Glass thickness: 3-19 (mm)
- Minimum size: None
- Maximum size: 2440*8000



Coating

- Glass thickness: 4-19 (mm)
- Minimum size: 300*800
- Maximum size: 3300*12000
- Processing Capability: Can produce heat reflection, single silver, double silver and three silver



Insulating

- | | Line 1 | Line 2 | Line 3 |
|--------------------|-----------|-----------|-----------|
| ○ Hollow: | | | |
| ○ Glass thickness: | | | |
| • Removing film: | 3-30 | 3-19 | 3-19 |
| • Cleaning: | 2-60 | 2-60 | 2-60 |
| • Splicing: | 12-58 | 12-58 | 12-58 |
| ○ Minimum size: | 180*350 | 180*350 | 180*350 |
| ○ Maximum size: | 2700*6000 | 2500*3500 | 2500*3500 |
- Processing Capability: Can produce shaped glass and inflate automatically





Production Facility: Tianjin



Glass Cutting

- Automatic and Manual Cutting Line
- Glass thickness: Any
- Minimum size: None
- Maximum size: 15000*3300 (mm)
- Band: Bottero



Single-Edge Grinding

- Maximum size: 15000 mm



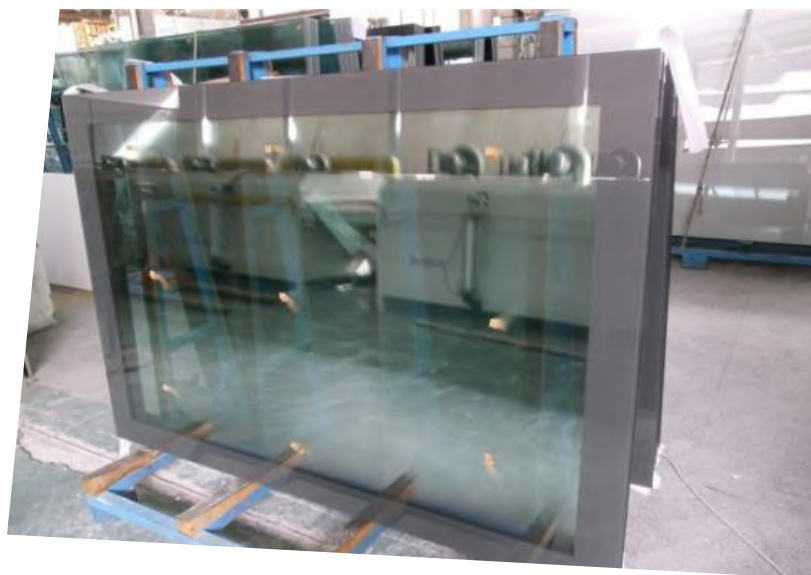
Double Edges Grinding and Washing

- Maximum size A: 15000*3300 (mm)
- Maximum size B: 6000*3300 (mm)



Ceramic frit

- Maximum size: 6000*3000 (mm)
- Processing Capability: Manual processing of glass minimum size 300mm*300mm
- Brand: Zhengxing





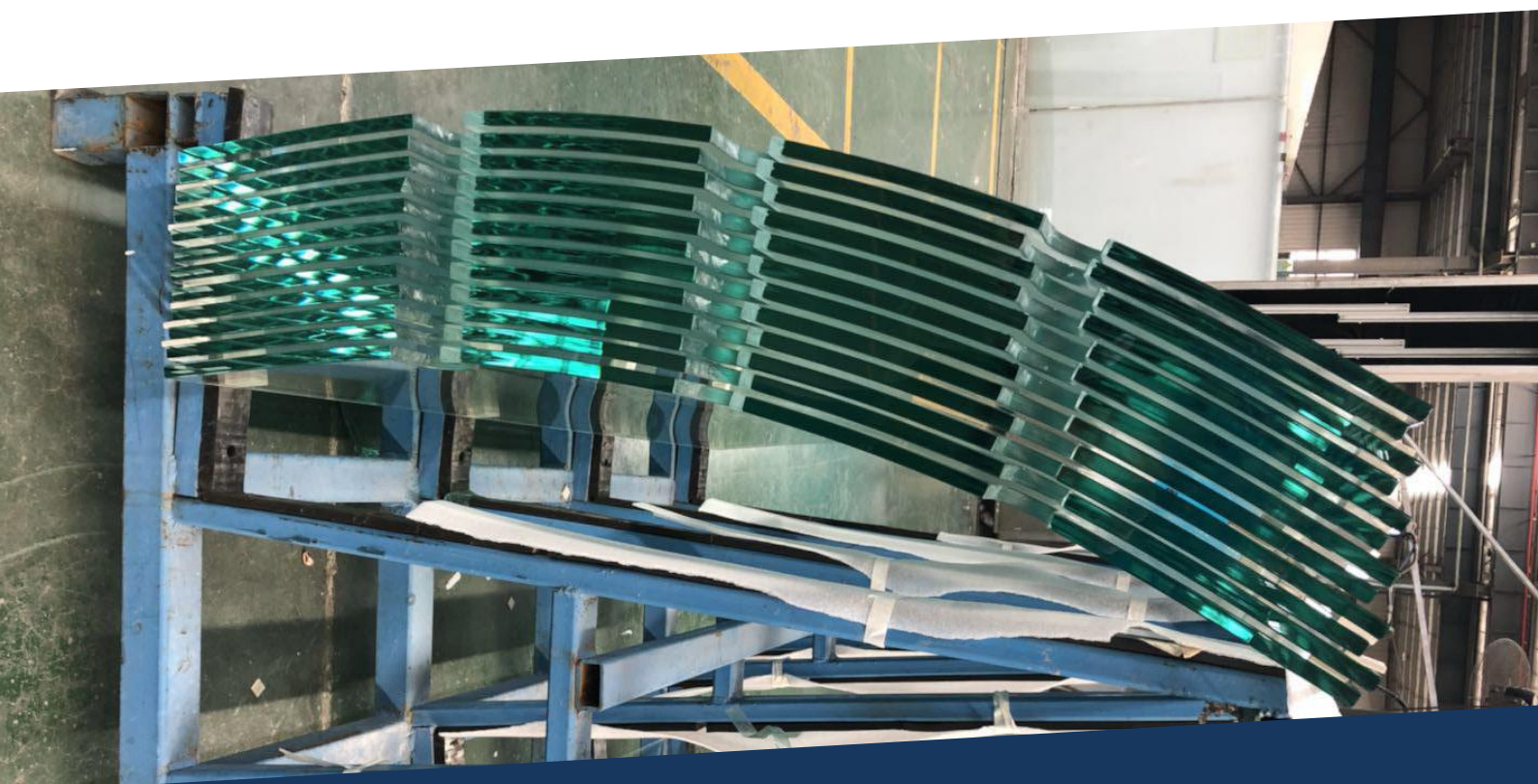
Tempering

- Jumbo Size Oven: 1
- Maximum size: 15000*2400 (mm)
- Brand: North Glass



Tempering

- Tempering oven: 2
- Flat Max Size: 3300*7000 (mm)
- Curved Maximum Size: 3200W*3300 (mm)
- Minimum radius: 1.5m
- Brand: Jing Glass



Lamination Room

- Maximum Size: 15000*3300 (mm)
- Temperature: 20°C-25°C
- Humidity: 23% - 28%



Curved Lamination Room

- Maximum Size: 15000*3300 (mm)
- Temperature: 20°C-25°C
- Humidity: 23% - 28%





Laminated Oven

- Autoclave 1
- Maximum Size: 15000*2400 (mm)
- Brand: Shengyang North Glass

Laminated Oven

- Autoclave 2
- Maximum Size: 7000 *3300 (mm)
- Brand: Shengyang North Glass





Insulating

- Maximum Size: 8000*3300 (mm)
- Brand: Tenon



Packaging

- Fumigation free packaging



ASG

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