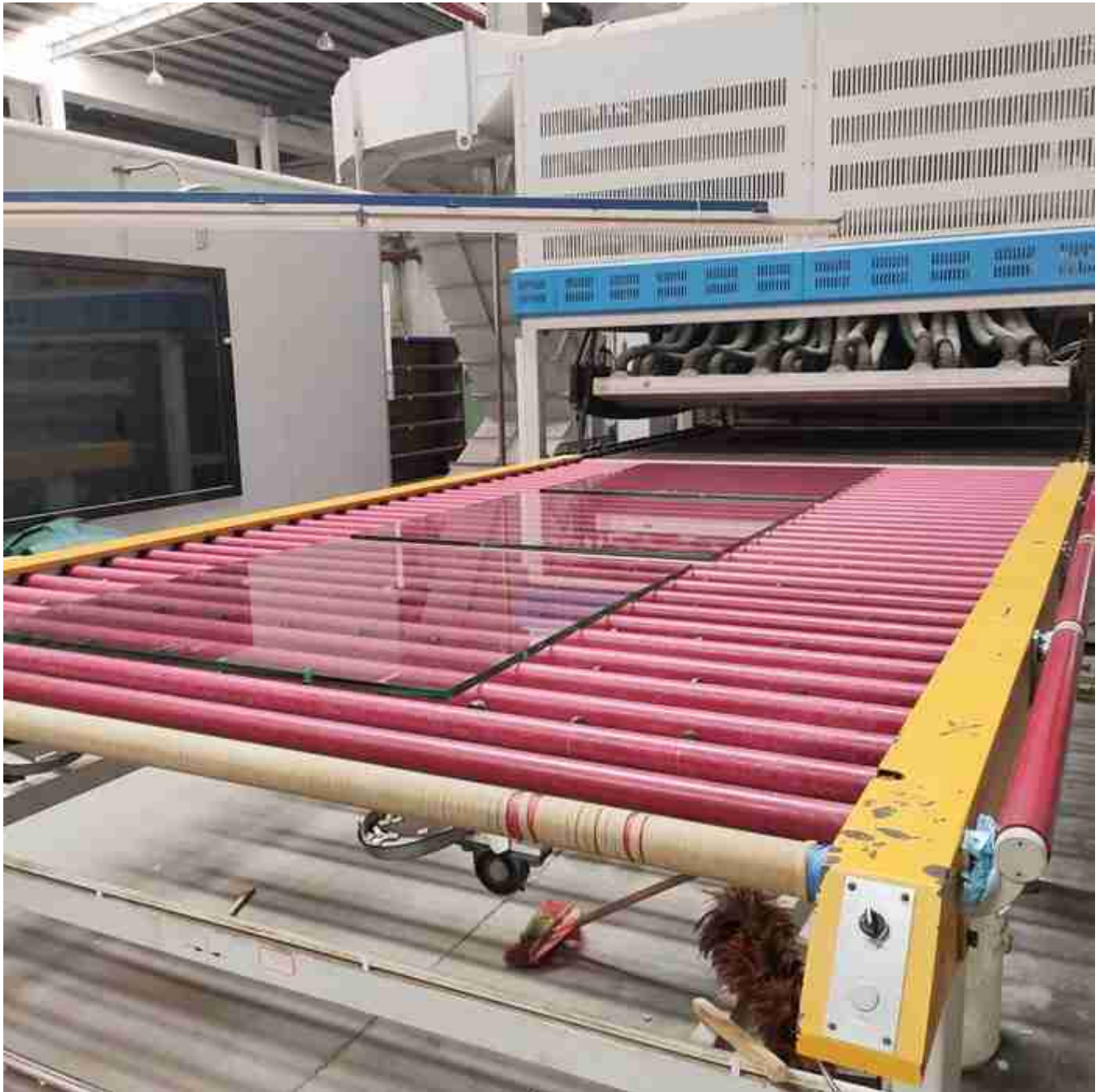


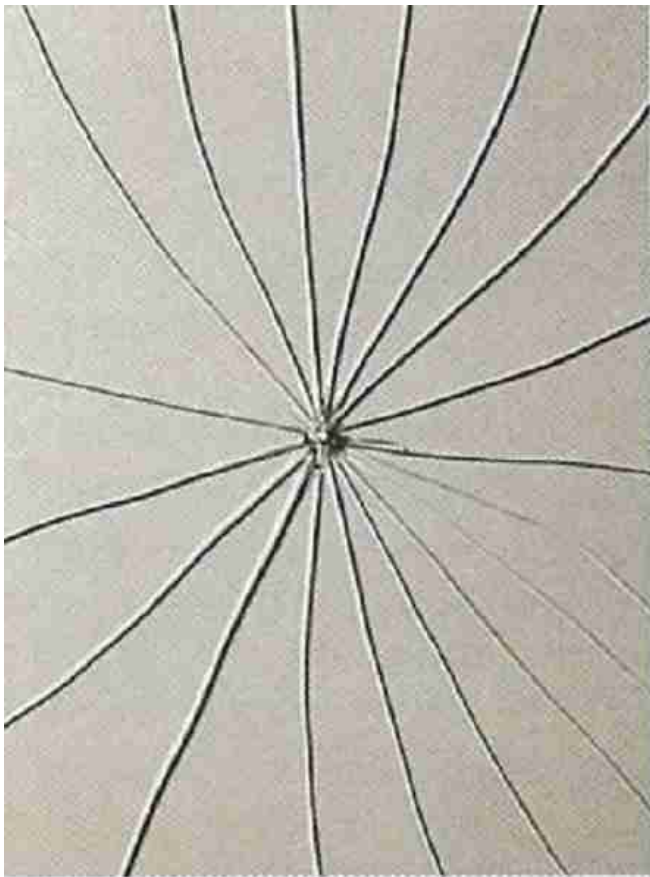
5-12mm heat strengthened glass price



1, What is heat strengthened glass?

Heat strengthened glass is also called half tempered glass or semi tempered glass or HS glass. The heat strengthening process is mostly the same as [full tempered glass](#). The only difference is after heating to around 700-degree temperature,

when quenching by the wind jet, the cooling speed will be longer and the press of cold wind is lower. Thus, making the surface of heat strengthened glass pressure much lower than fully tempered glass. Semi tempered glass strength is twice that of float glass, it can be used where places need glass stronger function but no risk of self-explosion, unlike [full tempered glass](#).



Breakage pattern – Heat-Strengthened Glass



Breakage pattern – Tempered Glass

Strengthened glass breakage VS full tempered glass breakage

2, Why use heat-strengthened glass?

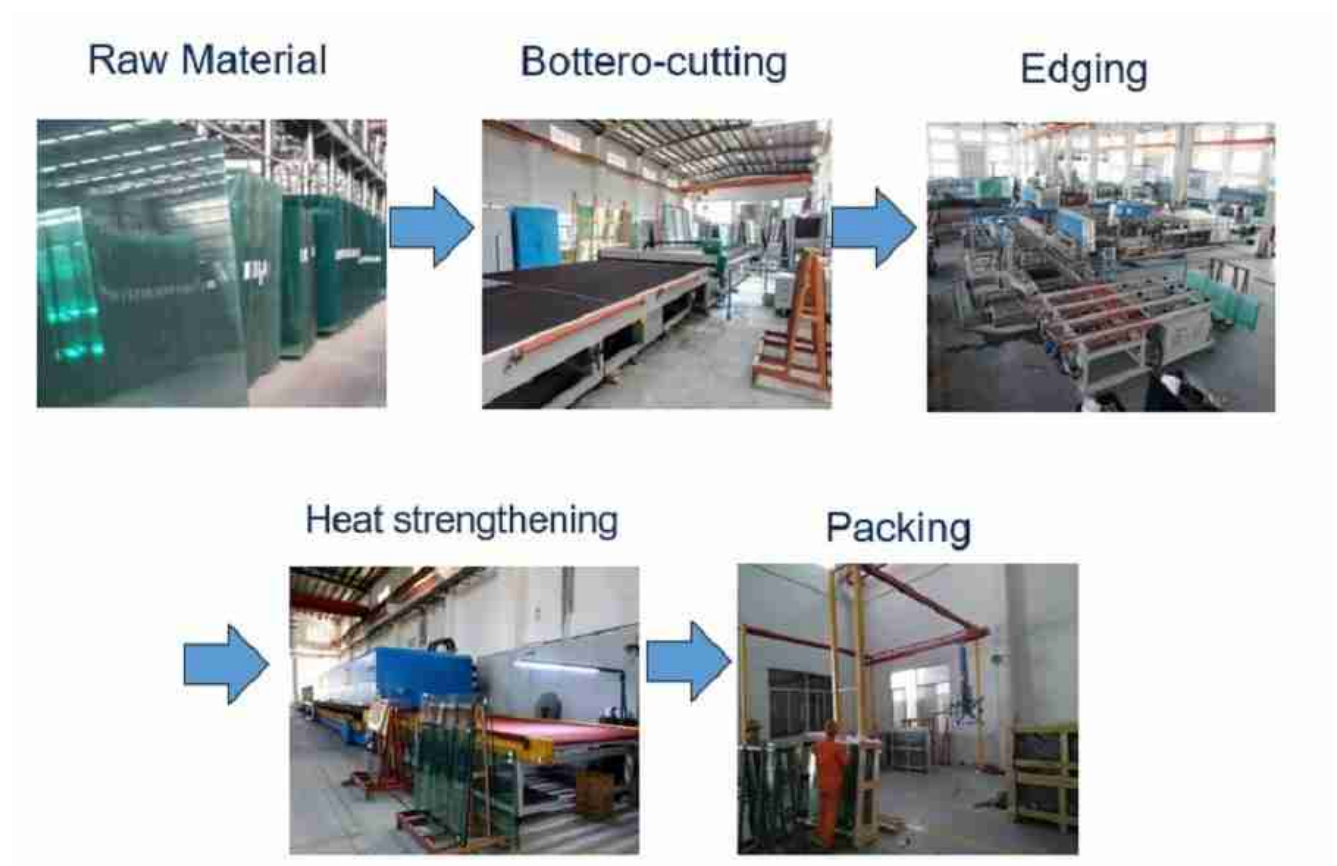
1. **Higher-strength:** Compared to normal float glass, semi tempered glass is 2 times stronger, can endure a higher impact.
2. **Safety:** full tempered glass has a potential risk of self-explosion because of NiS in the glass raw material. Heat-strengthened glass has no such worry.
3. **Stable thermal stability:** even exposed to hot sunshine

or heavy rain or snow, heat-strengthened glass remains stable.

4. **Flat surface**, compared to full tempered glass, heat-strengthened glass has less distortion.

3, How is heat strengthened glass made?

Shenzhen Dragon Glass heat-strengthened process as below:



4, When to use heat-strengthened glass?

Generally speaking, using semi tempered glass is a very economical way to save budget and no risk of tempered glass self explosion with a less distorted surface. Heat-strengthened glass is usually used for windows or for some façade projects where glass size is smaller and less wind load

is required. For further enhancement, semi-tempered glass can be processed as heat strengthened laminated glass. So that it can be used as a canopy or skylight, etc.



5, Properties:

| | |
|-------------------------|---|
| Product name: | Heat-strengthened glass/half tempered glass/semi tempered glass |
| Glass colors: | clear, ultra-clear, blue, green, bronze, grey, etc. |
| Glass thickness: | 5mm, 6mm, 8mm, 10mm, 12mm, etc. |
| Glass shape: | Flat/ curved. |
| Applications: | Facade, curtain wall, railing, skylights, balcony balustrade, windows, etc. |

| | |
|------------------------|-----------------------------|
| Certifications: | ASTM, CE, ISO9001, CCC, etc |
| Max size: | 2440*6000mm |
| Stress | 24~52Mpa |
| Capacity: | 5000SQM/day |

6, Strict QC system.

Our test includes raw material checking before cutting, surface inspection for each process, size accuracy after edgework, distortion measurement after the glass half tempering, stress uniformity inspection before packing.



Quality inspection

7, FAQ

1, Can semi-tempered glass be cut?

No.

2, Can semi-tempered glass be further processed?

Yes, heat-strengthened glass can have further treatment like coating, digital printing, frosting, or acid etching process

to enhance its performance.

3, How much is the strength of semi-tempered glass?

Usually, the strength lies in 24~69Mpa. But we can keep it in control in 24~52Mpa which means better stress uniformity.

4, Is heat strengthened glass the same as tempered glass?

No, it is much less strength than tempered glass but has no risk of self-explosion.

5, Difference between [heat soaked glass](#) and heat strengthened glass?

Heat soaked test glass is full tempered glass further processed by heat soak testing. Strength is higher. Heat-strengthened glass is only semi tempered.

8, Why choose [Shenzhen Dragon Glass](#)?

- 26 years of glass deep processing experience.
- Advanced machines for quality insurance.
- Strict QC system double guarantee for quality.
- Large quantity capacity 5000sqm/day making our heat strengthened glass price very competitive in China building glass market.
- Fast response before and after-sales within several minutes and solutions provided in 24 hours.

9, Certifications:



Welcome to contact us for a [Free Quote](#) now!