

NOVAL GLASS

SOLAR GLASS



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INTRODUCTION

- Low Iron Solar Pattern Glass is a new generation glass used in the solar energy industry. It has characteristics such as high solar transmittance, high mechanical strength, high flatness, and low iron content. It is the most ideal seal material for solar power generation and photothermal conversion systems, which can greatly improve photoelectric conversion efficiency.
- With the anti-reflective and weather resistant coating solution, It can increase the power generation efficiency of photovoltaic modules by 10% and reduce weight by 20%.
- The performance and indicators of Noval Solar Glass has meet or exceeded the advanced level of similar products both domestically and internationally. It meets the high-quality requirements and large-scale market demand of the solar energy industry for low iron glass, greatly enhancing the competitiveness of solar module products.

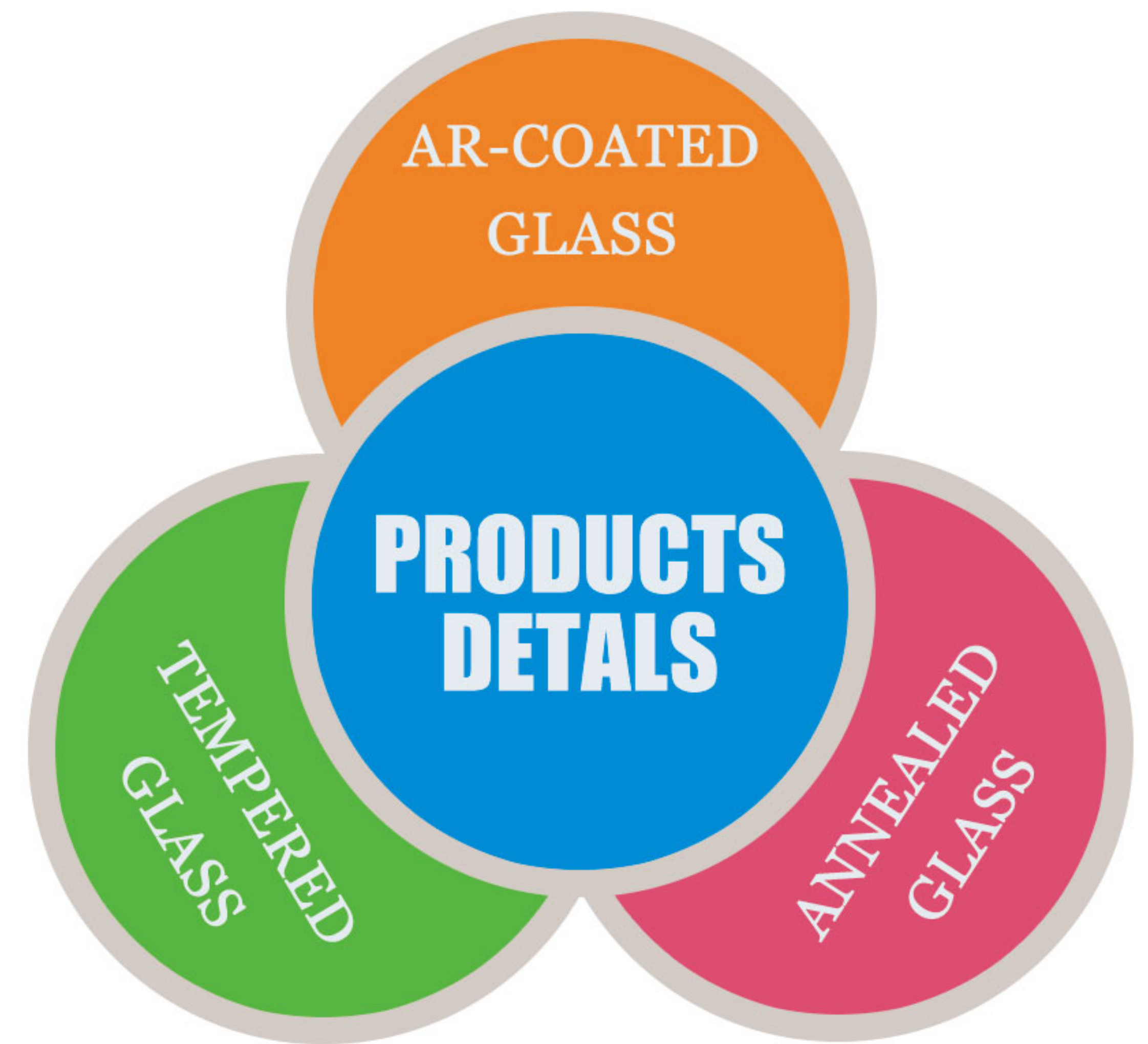
SPECIFICATION

Thickness Tolerance	1.6mm~3.2mm +/-0.2mm 4.0mm +/-0.3mm	Tensile Strength	42Mpa
Solar Transmittance	3.2mm≥93.8%	Hemispherical Emissivity	0.84
Iron Content	Fe ₂ O ₃ ≤150ppm	Expansion Coefficient	9.03*10 ⁻⁶ /°C
Poisson's Ratio	0.2	Softening Point	720°C
Density	2.5*10 ³ kg/m ³	Annealing Point	550°C
Young's Modulus	73Gpa	Strain Point	500°C



ARC TEMPERED (HEAT STRENGTHEN)

Thickness: 1.6mm, 2.0mm, 2.5mm,
2.8mm, 3.2mm, 4.0mm
Max Size: 1400*2500mm
Transmittance: Single ARC ≥93.8% (increasing 2.2~2.3%)
Double ARC ≥94.1% (increasing 2.5~2.6%)
Standard: GB30984.1-2015, IEC61215-2016,
GB15763.2-2005, AS/NZS2205:1996,
EN12150/DIN1249D, ASTM-E-903(891-96)



TEMPERED (HEAT STRENGTHEN)

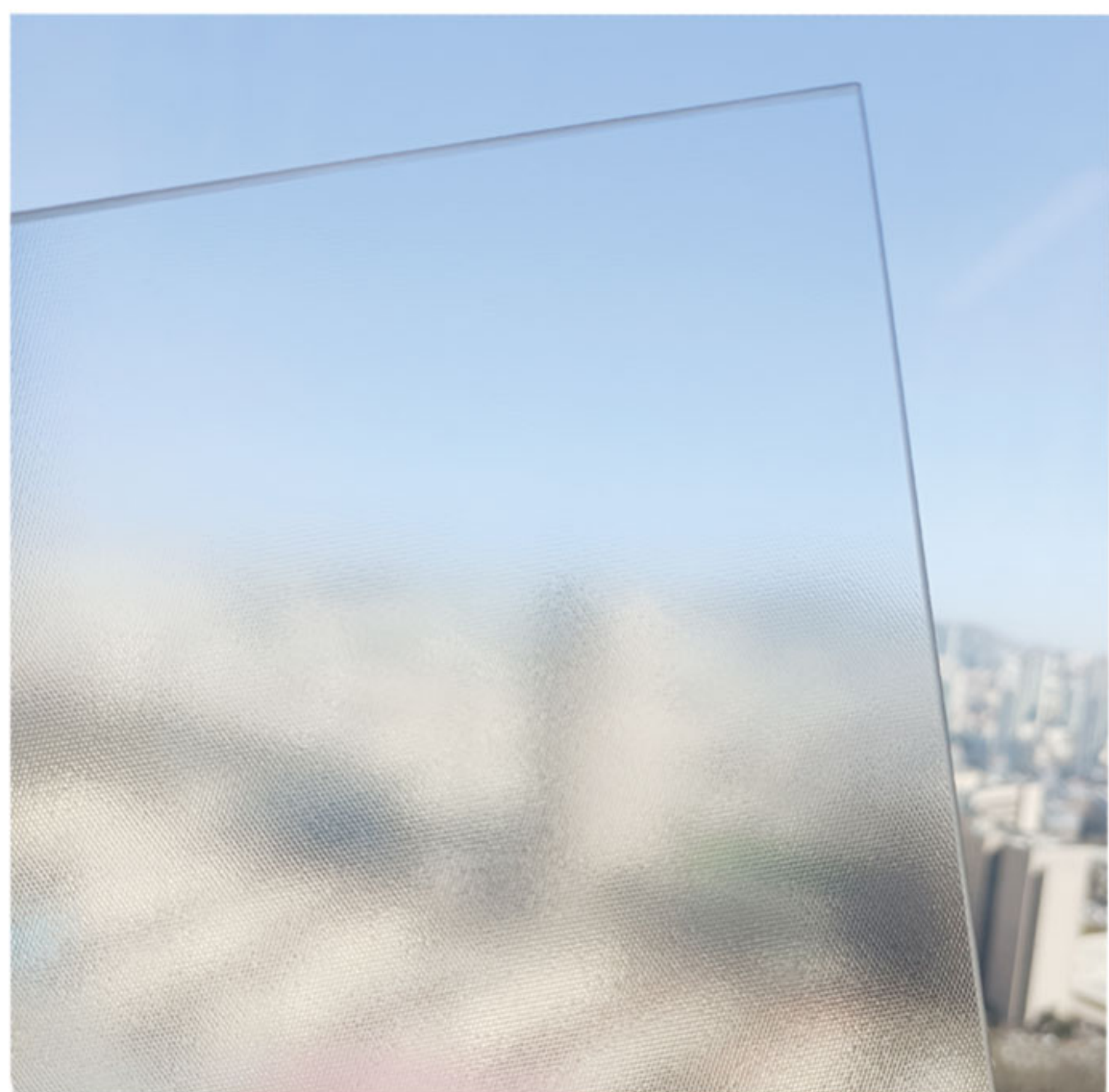
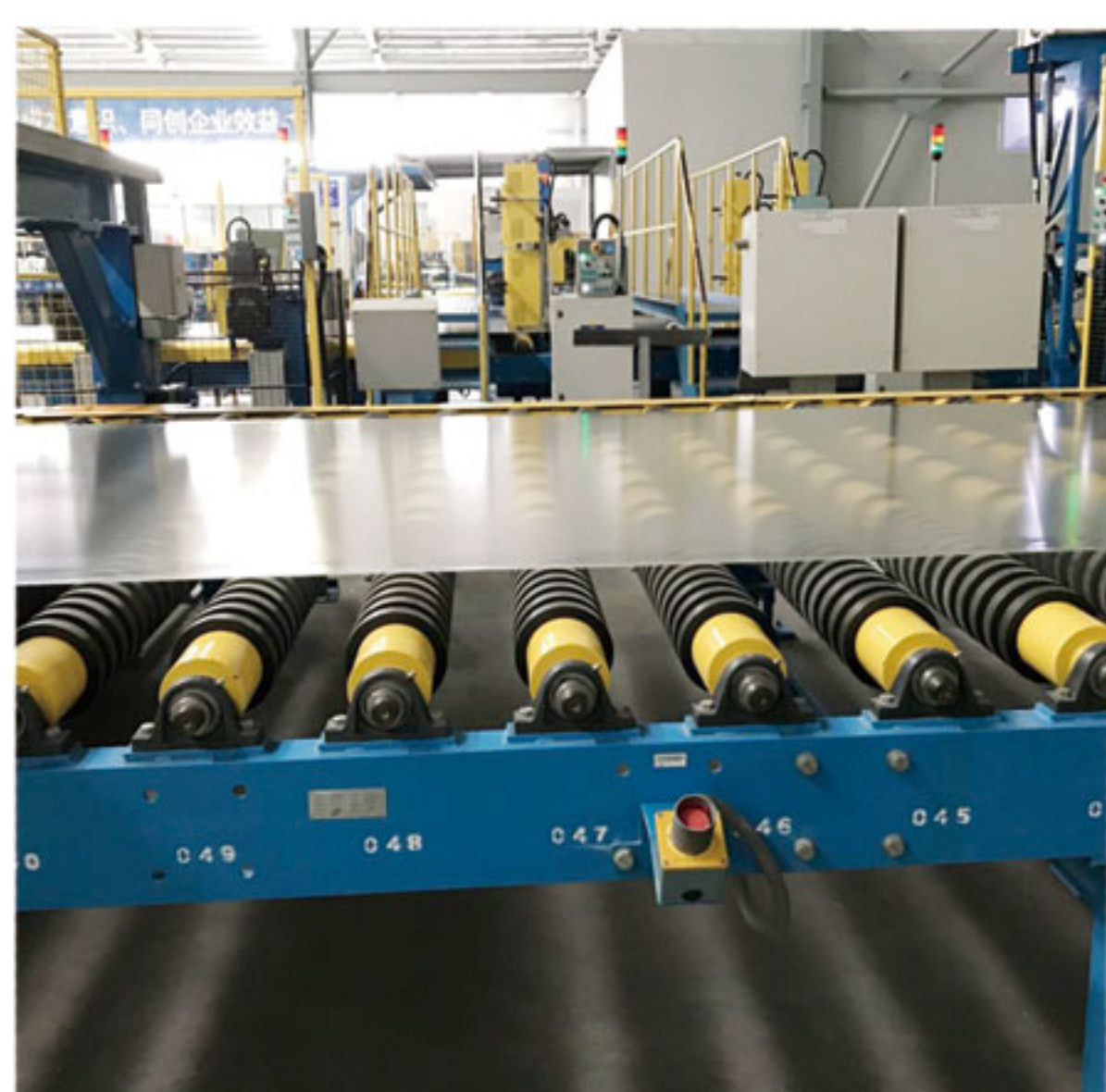
Thickness: 1.6mm, 2.0mm, 2.5mm, 2.8mm, 3.2mm, 4.0mm
Max Size: 1400*2500mm
Standard: GB15763.2-2005, AS/NZS2205:1996, EN12150/DIN1249D, ASTM-E-903(891)-96

ANNEALED RAW GLASS

Thickness: 1.6mm, 2.0mm, 2.5mm, 2.8mm, 3.2mm, 4.0mm
Max Size: 1400*2500mm
Standard: GB/T30984.1-2015

REGULAR SIZES & PACKING DETAILS

SIZE		THICKNESS & PACKIGN DETAILS (PCS/PALLET)					
L (mm)	W (mm)	1.6(mm)	2.0(mm)	2.5(mm)	2.8(mm)	3.2(mm)	4.0(mm)
2272	x 1128	180	140	110	100	90	70
2251	x 1128	180	140	110	100	90	70
2378	x 1297	150	120	95	85	75	60
2166	x 1297	150	120	95	85	75	60
2378	x 1096	200	150	130	115	100	80
2181	x 1096	200	150	130	115	100	80
2105	x 1040	200	150	130	115	100	80
2024	x 1004	200	150	130	115	100	80
2018	x 996	200	150	130	115	100	80
1698	x 1004	200	150	130	115	100	80
1694	x 996	200	150	130	115	100	80



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