
GLOSSARY

This glossary of technical terms contains explanations of certain technical terms used in this prospectus as they relate to us they are used in this prospectus in connection with our business or us. These terms and their meanings may not always correspond to standard industry meaning or usage of these terms.

“AB glue”	an epoxy adhesive used to adhere objects of same or different materials. It is tolerant of water, corrosion and oil, and is anti-corrosion and electricity insulant
“AC power”	main electric power
“Air Handling Unit (AHU) compression-type water chiller”	a mechanical device used to facilitate heat exchange from water to a refrigerant in a closed loop system. The refrigerant is then pumped to a location where the waste heat is transferred to the atmosphere
“autoclave”	a pressure chamber used to carry out industrial processes requiring elevated temperature and pressure different to ambient air pressure
“CAGR”	compound annual growth rate, the year-on-year growth rate over a specified period of time
“coating”	a covering (or cover) that is applied to the surface of an object, usually referred to as the substrate. The purpose of applying the coating may be decorative, functional or both
“coating and laminating machine”	a machine that performs coating and laminating
“curing”	toughening or hardening of a polymer material by cross-linking of polymer chains, brought about by electron beams, heat, UV or chemical additives
“decibels”	a logarithmic unit used to express the ratio of two values of a physical quantity, including power or intensity
“EVA”	abbreviation of ethylene-vinyl, an elastomeric polymer that produces materials which are rubber-like in softness and flexibility
“EN 14582:2007”	a standard for the characterisation of waste, including halogen and sulphur content, oxygen combustion in closed systems and determination methods issued by British Standards Institution

GLOSSARY

“GB/T11944- 2012”	a standard which specified the terms and definitions of hollow glass, including its classification, requirements, test methods, inspection rules, packaging, labelling, transportation and storage; this standard applies to the construction and building outside of refrigeration, decoration and traffic hollow glass, formally implemented on 1 September 2013 issued by the Standardisation Administration of China
“GB15763.3-2009”	a standard which specifies the laminated glass used in construction, including its classifications, materials, requirements, test methods and inspection rules issued by the Standardisation Administration of China
“GB8621”	a standard which applies to factory production of, among others, industrial and civil buildings facades, walls, roof, issued by the Standardisation Administration of China
“GDP”	gross domestic product, the total market value of all the goods and services produced within the borders of a nation during a specified period of time
“GPS”	global positioning system (GPS), a space-based navigation system that provides location and time information in all weather conditions, anywhere on or near the Earth where there is an unobstructed line of sight to four or more GPS satellites
“haze”	the cloudy appearance on the interior area or surface of transparent or translucent materials arising from light diffusion, measured by the percentage of the luminous flux diffused over the luminous flux passing through materials
“high precision wet laminating machine”	a machine which performs wet lamination, a process which applies a layer of dispersing, aqueous glue on the film. The film is then applied to the substrate under pressure
“ISO”	an acronym for a series of quality management and quality assurance standards published by International Organisation for Standardisation, a non-government organisation based in Geneva, Switzerland, for assessing the quality systems of business organisations

GLOSSARY

“ISO9001”	an internationally recognised standard for a quality management system. It aims at the effectiveness of the quality management system in meeting customer requirements. It prescribes requirements for ongoing improvement of quality assurance in design, development, production, installation and servicing
“ISO9050:2003”	an internationally recognised standard for methods of determining light and energy transmittance of solar radiation for glazing in buildings; these characteristic data can serve as a basis for light, heating and ventilation calculations of rooms and can permit comparison between different types of glazing
“ISO10292:1994”	an internationally recognised standard that applies to glass, coated glass and materials opaque in the far infrared wavelengths; this gives the fundamental rules for calculating the thermal transmittance in the glazing central area (edge effects are not included)
“ITO”	indium tin oxides, applied as a film to create transparent conductive coatings in the opto-electronic industry
“ITO sputtering machine”	a machine which sputtering ITO Targets onto the film, a process whereby particles are ejected from a solid target material due to bombardment of the target by energetic particles
“ITO Target”	an oxidised compound of indium and tin which determines the quality, density and surfaces of ITO film
“JC/T 2129-2012”	a standard for Smart Light-adjusting Glass set up by the Ministry of Industry and Information Technology in the PRC and implemented on 1 June 2013
“laminated glass production line”	a production line which performs lamination on glass
“laminating/lamination”	manufacturing by bonding multiple layers of materials
“LCD”	liquid crystal display, an electronic display that consists of segments of a liquid crystal whose reflectivity varies according to the voltage applied to them
“LED”	light-emitting diode, a semiconductor diode which glows when a voltage is applied

GLOSSARY

“light transmission rate”	the percentage of the luminous flux passing through transparent or translucent materials over the incident flux
“m” or “meter”	a base unit of length in the International System of Units measured as the length of the path travelled by light in vacuum during a time interval of 1/299,792,458 of a second, and is equal to one hundred centimetres
“magnetron sputtering”	a high-rate vacuum coating technique for depositing ITO onto PET film
“mm”	millimeter(s), a unit of length in the metric system, equal to one thousandth of a meter
“nm”	nanometre, a unit of length in the metric system, equal to one billionth of a meter
“OHSAS 18000”	an internationally recognised specification for Occupational Health and Safety Management Systems. It specifies requirements for an occupational health and safety management system to enable an organisation develop and implement a policy and objectives which take into account legal requirements and information about occupational risks and to improve their occupational safety and health performance
“PDLC”	polymer dispersed liquid crystal, a relatively new class of materials that have various applications including switchable windows and projection displays
“PET film”	polyethylene terephthalate film, commonly known as polyester film, a film with a clear, strong, and lightweight plastic
“PVB”	polyvinyl butyral, used in films and sheets, paints and coatings, and adhesives to enhance their physical and chemical characteristics
“rewinding”	a process to rewind films
“RoHS”	Restriction of Hazardous Substances Directive adopted by the European Union, which restricts the use of certain hazardous materials in the manufacture of various types of electronic and electrical equipment
“scanning electron microscope (SEM) microscope”	a type of electron microscope that produces image of a sample by scanning it with a focused beam of electrons

GLOSSARY

“Smart Light-adjusting Film”	PDLC embedded film, also known as switchable film or switchable privacy film, is a translucent white glazing film when connected to power that can be switched into transparent film instantly by switching off the power
“Smart Light-adjusting Glass”	Smart Light-adjusting Film embedded glass, also known as switchable glass or switchable privacy glass, is a translucent white glazing glass when connected to power that can be switched into transparent glass instantly by switching off the power
“Smart Light-adjusting Products”	collectively Smart Light-adjusting Film and Smart Light-adjusting Glass
“Smart Light-adjusting Projection System”	a system combining the use of ultra-short throw laser projector(s) and a projection screen using Smart Light-adjusting Products serving the purpose of outdoor display, projection display or projection television set
“temperature chamber”	an enclosure used to test the effects of specified thermal conditions on industrial products, materials, and electronic devices and components
“touch-screen”	a screen which is also an input device that is operated by touching it
“ultra-short throw laser projector”	a laser projector which allows users to create big pictures in tight spaces, without concerns about shadows obstructing the image or light shining in the presenter’s face. Such projector has very short throw ratios, the distance from project or to screen compared to the screen size
“UV”	ultraviolet radiation, part of the electromagnetic spectrum emitted by the sun with a wavelength from 10nm to 380nm, shorter than that of visible light but longer than that of X-rays
“UV curing”	a speed curing process in which high intensity ultraviolet light is used to create a photochemical reaction that instantly cures inks, adhesives and coatings
“vacuum roll-to-roll ITO sputtering machine”	a machine that performs magnetron sputtering ITO materials onto PET film on a roll of flexible plastic or metal foil