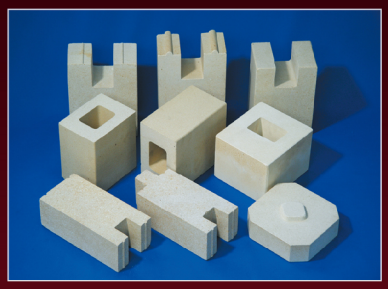
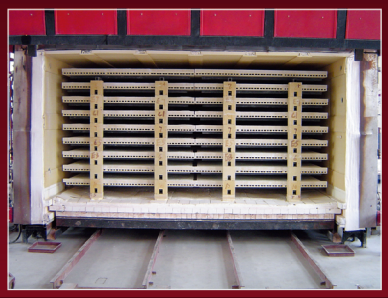
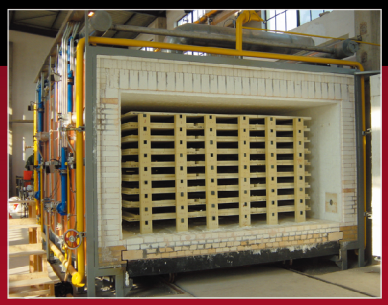


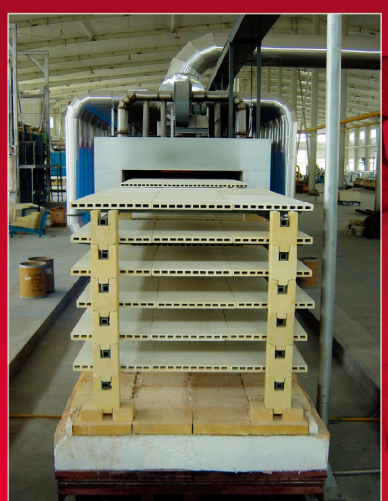


Systems for Glass Panel 微晶石材窑具系统

As mullite-cordierite kiln furniture has excellent thermal shock resistance and doesn't contaminate the fired ware, it is widely used in the crystallized glass and glass industries in making large crystallized panels, glass crockery, and soft moulds for the craft glassmakers. Trend is a world leader in this field of kiln furniture.

由于具有良好的热震稳定性且不会污染所承烧的制品，堇青石-莫来石窑具在微晶石材、玻璃制品的加工行业也有着广泛的应用，如大尺寸玻璃饰面板（微晶石）、电磁炉微晶面板和玻璃餐具的晶化处理、艺术玻璃制品的软化造型模具等。创导公司是这一窑具领域的世界领导者。

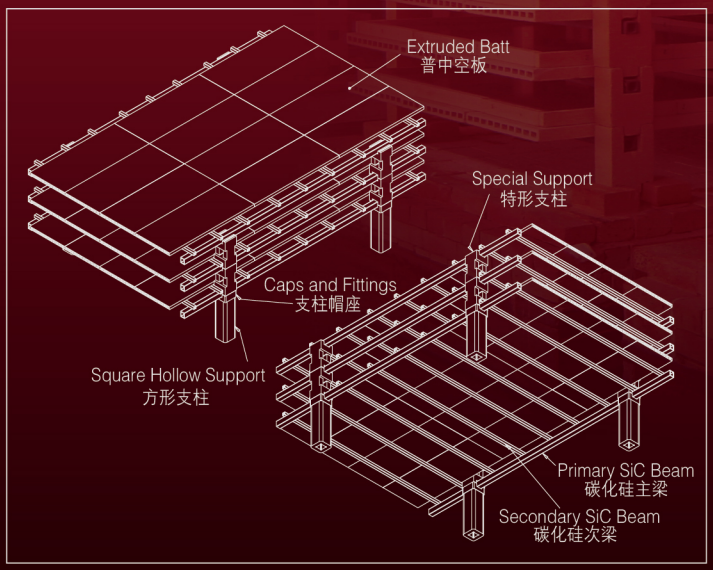


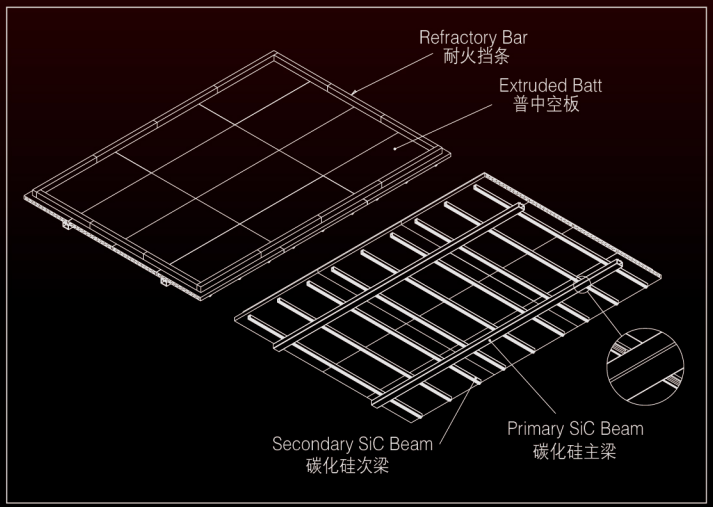


A crystallized glass panel is an artificial panel, comparable with natural marble and granite, but has a distinct series of advantages: Better corrosion-resistance to acid and alkali, high strength, slight chromatism etc. In addition there is an abundant supply of the raw materials necessary for this product. A further advantage is that it is an environmentally friendly building material.

We began the development of the most important kiln furniture extruded batts for the crystallized glass industry in 1998 and began mass production in June 1999. Up to March 2010, we have supplied 48 crystallized glass manufacturers with all or the majority of their kiln furniture needs, including 218,800 extruded batts and 51,600 large sized solid batts. With 90% of the market share, we are the largest supplier to this industry. We have extensive experience in design, production and after sales service of this kiln furniture. We offered a great contribution to the development to this industry in China. In both quality or the sales volume, Trend has become the leader of kiln furniture in the world for the crystallized glass industry.

Crystallized glass panel kiln furniture systems include batts (extruded and solid), setter batts (for roller kiln), SiC beams, support blocks, block bases and retaining bars. We have developed the technology to produce thin crystallized glass panels by using a roller kiln, slim extruded batts and large setting slabs, ensuring a further improvement in the fuel efficiency of crystallized glass panel manufacture.





微晶石材是一种人造石材，与天然石材相比，它具有无放射性污染、耐酸碱侵蚀性好，强度高，色差极小等一系列优点，而且其原料储量丰富，是一种有广阔发展前景的新型绿色环保建筑材料。

创导公司自1998年开始研发微晶石材晶化烧成用最关键的窑具—中空棚板，并在1999年6月投入工业化生产。截止至2010年3月已先后向世界48家微晶石材厂供应过成套或关键窑具，其中中空棚板218,800块，大尺寸实心棚板51,600块，市场占有率超过90%，积累了丰富的窑具结构设计、生产、使用和售后服务经验。创导窑具为中国微晶石材工业的发展做出了重要贡献。无论是质量上还是销售数量上，创导公司都已成为微晶石材窑具的世界领导者。

微晶石材窑具系统包括棚板（中空棚板、实心棚板）、垫板（用于辊道窑）、碳化硅横梁、支架砖、支架砖底座、挡条等。为推动微晶石材薄板和辊道窑烧成的生产技术进步，创导公司开发成功超薄大尺寸中空棚板和大尺寸垫板，为进一步降低微晶石材的燃烧成本提供了保证。

The setter batts used in roller kilns for the firing of ctystallized glass panels should have both a large surface area and at the same time a thin cross section. The firing cycle in a roller kiln is generally faster than in a tunnel or shuttle kiln. Therefore the thermal shock resistance of batts is very important.
The special cordierite material developed by Trend with a very low thermal expansion is an ideal body for this type of setter batt.

辊道窑中烧成微晶玻璃薄板需要大尺寸且厚度较小的垫板，其烧成速度较快，因此垫板的耐急冷急热性特别重要。创导公司开发的特种堇青石材料，20–1000℃膨胀系数<2.0×$10^{-6}K^{-1}$，是辊道窑垫板的理想材料。