Lamgea, technology for contemporary architecture

Lamgea——为当代建筑而生的技术

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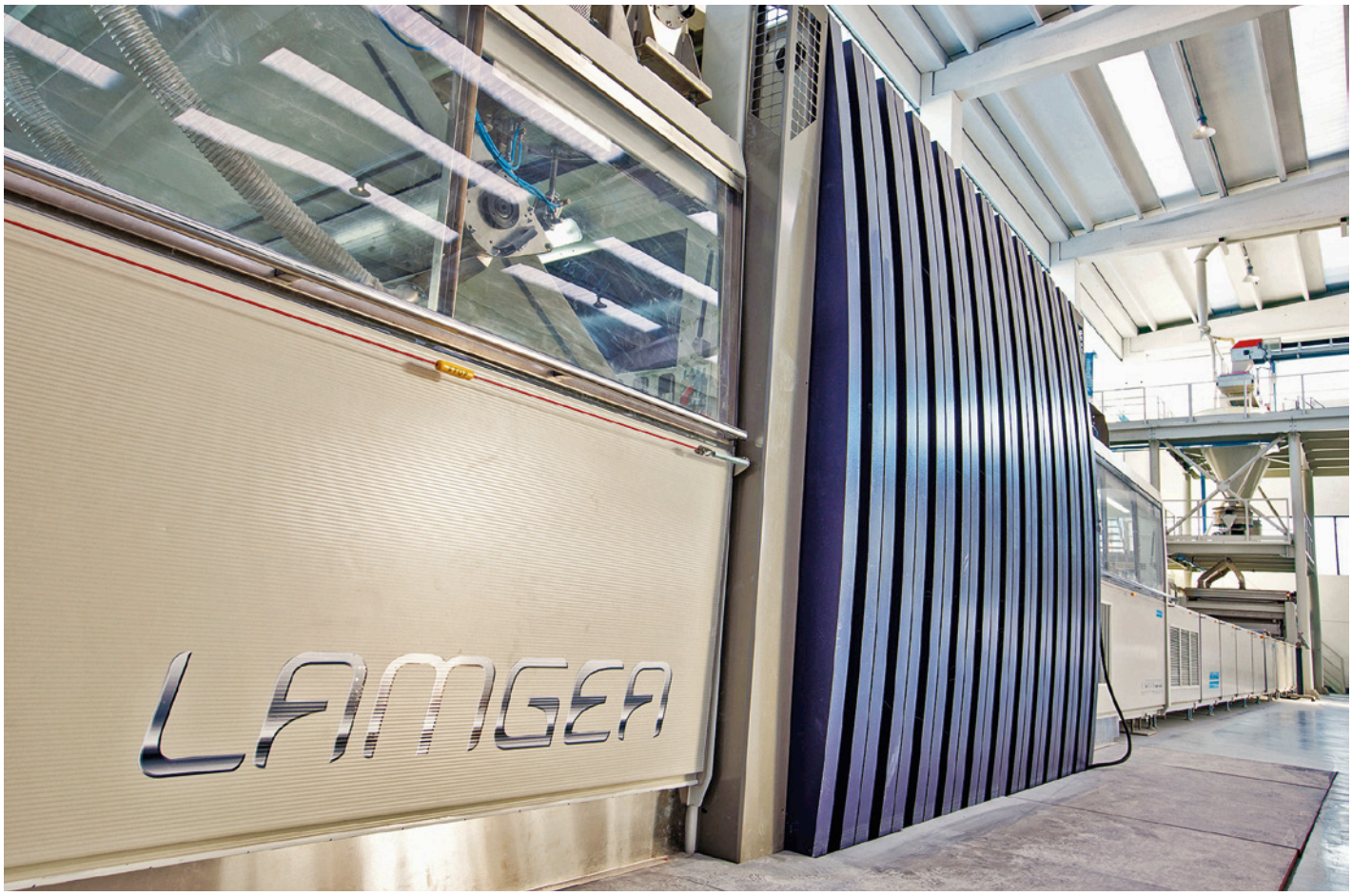

System Lamina technology has utterly transformed the use of ceramics in architecture, opening up new markets in sectors that would previously have been unimaginable: from the world of furniture, which now has a real alternative to traditional materials such as natural stone, to public and commercial building, where these highly original and customised interior and exterior surface coverings are now much in demand.

This revolutionary technology stems from an original idea by Franco Stefani, Chairman of System Group, an intuition that marked the beginning of a new chapter in the history of the world ceramic industry. Starting out from the concept of single tiles, System went on to develop ***1600x4800 mm surfaces in thicknesses ranging from 3 to 30 mm*** *using Lamgea, the world's most powerful mouldless press.*

Lamgea uses a specially designed hydraulic circuit with a ded-

西斯特姆（System）的 Lamina技术彻底改变了陶瓷在建筑中的使用，在以前难以想象的领域开辟了新市场：陶瓷开始是在家具领域取代传统材料，如天然石材，如今又进入公共和商业建筑，这两者目前对高度原创和定制化的室内外表面装饰材料的需求非常大。

System Lamina这项革命性的技术是西斯特姆集团董事长Franco Stefani的创意，它标志着在世界陶瓷行业发展史掀开了新的篇章。从单块瓷砖的概念开始，西斯特姆使用世界上最强大的无模具压机Lamgea不断开发**规格为1600×4800（mm），厚度从3mm到30mm不等的瓷砖。**

Lamgea采用一种专门设计的具有专用工作循环和最大44,000吨压力的液压回路，生产一系列厚度（3mm至30mm）的大规格板材（大至1600x4800（mm）），同时

icated work cycle and maximum pressing force of 44,000 tonnes to produce large-size panels (up to 1600x4800 mm) in a wide range of thicknesses (from 3 to 30 mm) while completely eliminating internal stresses.
The raw materials are processed using an innovative system of customised belts to create either smooth surfaces or – using a laser engraving system applied to the belts – textured finishes with relief depths of up to 2 mm.
First unveiled in 2000, System Lamina technology has evolved over the years and now offers the international market cutting-edge solutions with higher production capacity and greater flexibility in terms of sizes and thicknesses.
The unique ***strengths*** *of Lamgea technology make it the market leader in the production of large low-thickness ceramic surfaces. These include:*

- *total absence of residual stresses after pressing;*
- *easy-to-learn press functions;*
- *a process that is stable and simple to manage;*
- *the possibility of using standard bodies without the need for special mixes;*
- *a green-oriented pressing system with low energy consumption;*
- *complete recovery of waste;*
- *unlimited aesthetic potential for the production of textured surfaces.*

The Lamgea mouldless press is renowned for its versatility in terms of the range of thicknesses it can produce. It is especially popular for the production of thin (6 mm) and ultra-thin (3 mm) panels, which offer a range of advantages including higher production capacity, reduced consumption of raw materials and energy, and lower weight per square metre.

System Lamina technology has taken porcelain into previously unimaginable areas of application thanks to a pressing system (Lamgea) and a digital printing technology (Creadigit) that see architecture and interior design as an expression of human talent.
The process is able to create unique surfaces that reproduce the patina of oxidised metal, the tactile appeal of wood grain, and the rarest and most prestigious kinds of marble or natural stone, to mention just a few. But compared to the original materials, they are much more durable and maintain their outstanding technical and aesthetic characteristics over time. ×

完全消除内部应力。采用定制皮带创新系统对原材料进行加工，制作光滑的表面，或在皮带上使用激光雕刻系统，生成凹凸深度可达2mm的具有纹理的表面。西斯特姆Lamina技术于2000年首度亮相，经过多年的不断发展，如今可以为国际市场提供具有更高生产能力，以及在规格和厚度方面更具灵活性的先进解决方案。Lamgea技术的独特**优势**使其成为生产大规格薄板的市场领导者。
这些优势包括：

- 压制后完全没有残余应力；
- 易学易用的压制功能；
- 稳定且易于管理的流程；
- 可以使用标准坯体而不需要特殊搭配；
- 低能耗的绿色压制系统；
- 完全回收废弃物；
- 生产纹理表面的无限美学潜力。

Lamgea无模压机因可生产一系列厚度的多功能性而闻名。它尤其适合生产薄（6mm）和超薄（3mm）的板材，并具有一系列优势，包括生产力更高、原材料和能源消耗更低以及的每平方米重量更低。

将建筑与室内设计视为人类天赋的表达，西斯特姆Lamina技术由于采用压制系统（Lamgea）和数码打印技术（Creadigit），将瓷砖应用于以前难以想象的应用领域。运用该技术的 生产过程能够制造出独特的表面，再现氧化金属的色泽、木纹的触感，以及最稀有和最负盛名的大理石或天然石材等，以上只是列举几个例子。但与原始材料相比，这些产品将更持久耐用，并且随着时间的推移保持其显著的技术和美学特征。 ×