

Supera® and STS technology: creativity and technology in the decoration of large size panels and slabs

Supera®与STS技术：大规格陶瓷板材装饰的创造力与技术

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The rules of the game are changing and imagination is opening up new horizons for the ceramic tile industry. Supera® technology is SITI-B&T Group's innovative solution aimed at the latest market frontier, the production of large size ceramic panels and slabs. Supera® is based on the **STS® Structure & Thickness for Slabs** concept, which combines design and technology to create unique products in a **wide range of thicknesses and textures**.

The synergy between Group companies plays a vital role in improving product aesthetics. Digital Design develops visual design projects, which are then transformed into reality by cutting-edge digital decoration systems for panels and slabs from Projecta Engineering. And to complete the process, the market-leading finishing company Ancora supplies equipment for enhancing the surface of the panels. Supera® marks the culmination of years of research efforts focused on finished products rather than technology. A successful solution must achieve excellent aesthetic results while cutting production costs and ensuring high levels of efficiency and quality. Supera® does this by combining high production volumes with maximum flexibility in the production of **porcelain panels and slabs with dimensions up to 1600x4800 mm and thicknesses ranging from 5 to 30 mm, while surface textures with depths of up to 6 mm** can be created on large-thickness slabs.

Supera® is designed and built in accordance with the innovative **ISO Concept** based on a number of key success factors, including zero product defects and uniform thickness and flatness due to evenly distributed shaping pressure over the entire surface of the slab.

游戏规则正在发生变化，想象力为瓷砖行业开辟了新视野。Supera®技术是西蒂贝恩特 (Siti-B&T) 集团针对最前沿市场所开发的创新解决方案——大规格陶瓷板材生产。Supera® 是根据“**STS®大板的结构和厚度**”这一理念将设计和技术结合起来创造一系列**厚度和纹理**的独特产品。集团公司之间的相互协作在提升产品美学效果方面扮演者重要角色。Digital Design负责开发视觉设计项目，然后通过Projecta Engineering这一专为大板设计的先进数码装饰系统转化为现实产品。在这个过程中，精加工领军企业安可拉 (Ancora) 为增强板材表面效果提供了设备。

SUPERA®标志着多年来专注于成品而非技术的研究工作到达顶峰。一个成功的解决方案必须能实现卓越的美学效果，同时能降低生产成本并确保高水平的效率和质量。Supera®通过结合高产量和最大灵活性做到了这一点，它能生产最大规格达**1600x4800 (mm)**、**厚度为5-30mm**的陶瓷板材，并能在大规格厚板上做出**深达6mm**的表面纹理。

Supera®是根据创新的ISO理念而设计和制造的，ISO理念以一系列关键的成功因素为基础，包括零产品缺陷以及由于成型压力均匀分布在整个大板表面上而形成的厚度和平整度均匀统一。创新的按需供电**Start&Stop**液压动力装置能降低高达30%的能耗。

SUPERA®不仅是一项多专利尖端技术，而且是一条**涵盖所有生产工艺的完整的生产线**，包括从备料到后期加工阶



Digital Design

projecta engineering

The innovative power-on-demand **Start & Stop** hydraulic power unit allows energy consumption to be reduced by up to 30%. **Supera®** is not just a multi-patented cutting-edge technology but a **complete line that covers all steps in the process, from preparation through to the end-of-line stage**. Fully integrated with the Group's solutions for creating new and more refined aesthetics in the ceramic sector, it guarantees a high level of flexibility along with greater productivity, efficiency and quality and lower consumptions.

Siti B&T Group's technologies have long incorporated all the success factors of **Industry 4.0**, including remote support, data and production parameter management with remote control via an app and scheduled and preventive maintenance. Industry 4.0 criteria are now standard features of all solutions proposed by the Group.

The R&D approach that involves identifying the best technical solutions for a specific end result provides an effective response to the demands of modern architecture and clients and to the needs of increasingly demanding ceramic manufacturers. A concrete demonstration of the enormous potential offered by the Siti B&T Group's technologies can be seen at the **Projecta Engineering** headquarters, which hosts a permanent exhibition of ceramic panels and slabs with textured surfaces based on graphics by **Digital Design**. X

段。它与集团在陶瓷领域打造全新的、更精致的美学效果解决方案完全融合，在保证高度灵活的同时，提高了生产力、效率和质量，并降低了消耗量。

Siti B&T集团的技术早已将**工业4.0成功**的所有要素纳入其中，包括远程支持，以及通过APP、定期预防性维修进行远程控制实现数据和生产参数的管理。集团所有解决方案现今都具备工业4.0标准的特征。为特定效果提供最佳技术解决方案的研发方向，能够有效响应现代建筑和客户的需求，并满足陶瓷制造商日益苛刻的要求。Siti B&T集团技术的巨大潜力在**Projecta Engineering**总部展现得淋漓尽致，那里展示着根据**Digital Design**的图形设计而生产出来的具有纹理表面的陶瓷板材。 X

