

A new dimension of beauty

美丽新维度

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The visual and tactile beauty of a tile's surface can be enhanced by means of a machining process that combines cutting-edge technology with experience and impeccable workmanship. With this in mind, Ancora (SITI B&T Group), world leader in the design and production of complete lines for ceramic product finishing, has developed a new finishing concept capable of adding value to the product during the final stage of production to give it greater competitiveness in the marketplace.

The machines produced by Ancora perform a complete finishing process, the key steps being squaring, polishing, honing, cutting, edge grinding and protective treatments. The company today exports its expertise to 40 countries worldwide and can boast thousands of installed lines, each customised and differentiated through meticulous attention to detail. Its philosophy is focused on the concept of mass customization, a customer-oriented approach that is becoming an increasingly essential component of a modern production line. The tile manufacturer is thus transformed from a client to a partner with the shared goal of building flexible solutions and expanding knowledge. In its role as a market innovator in search of ever new forms of expression linked to ideas, thinking and cultural and technological tools, Ancora is a company that produces timeless beauty. To do this, it exploits its detailed knowledge of the sector and all aspects of the finishing process. Its goal is to solve the problems facing ceramic companies, to propose functional solutions and to suggest new ideas for production: whatever the idea, there are no limits preventing it from being implemented.

Ancora machines can work with tile sizes ranging from strips of width 150-200 mm up to latest generation 1600x3200 mm slabs and panels. Several plants currently at the construction and start-up stage are even able to work with sizes up to 1800x3600

瓷砖表面的视觉和触觉美感可以通过结合尖端技术与精湛工艺的机械加工过程来增强。出于这种考虑，作为全球领先的为陶瓷产品精加工设计和生产完整生产线的企业，安可拉 (Ancora, 隶属于SITI B&T集团) 提出了一种新的精加工理念，能够在生产的最后阶段为产品增加价值，使其在市场上更具竞争力。

安可拉生产的设备能够完成完整的精加工过程，其中的关键步骤包括磨边、抛光、哑抛、切割和防护处理。如今，该公司将其专业设备出口到全球40个国家，并且拥有数千条已安装的生产线，每条生产线都是与众不同的，根据客户的具体要求而制造，并注重细节，力求一丝不苟。公司的经营理念聚焦于大规模定制这一概念，即一种以客户为导向的方法，这是在现代化生产中日益重要的组成部分。瓷砖制造商因此由客户转变为合作伙伴，有着建立灵活解决方案和扩展知识面共同的目标。作为探索思想、思维以及文化和技术工具的新型表达方式的市場创新者，安可拉是一家能够创造永恒之美的企业。它通过利用瓷砖行业以及精加工各方面的详细知识来实现这一点。安可拉的目标是解决瓷砖企业所面临的问题，提出功能性解决方案和新的生产理念：不管这个想法是怎样的，都没有什么可以限制它被进行实施。

安可拉的设备可以用于规格范围从150-200mm宽的长条瓷砖，到规格在1600x3200 (mm) 最新一代大板。目前处于施工和启动阶段的几家工厂甚至可以处理规格达到1800x3600 (mm) 的大板，这要归功于能够处理宽度达2000mm的大板的生产线，这是为帮助制造商提出新理念、研发新材料而专门设计。



mm thanks to a line capable of handling panels up to 2000 mm in width, designed specifically to assist manufacturers in developing new ideas and materials. In particular, Ancora offers various possible configurations for the now essential honing process in terms of number of heads (series with 8, 10, 12, 16, 20 and 24 heads).

They are all equipped with a series of optional technical/electronic features that make the machines more productive, efficient and easier to manage, thereby simplifying a process that can add significant value to the ceramic tile. As part of its constant focus on technological innovation, Ancora has developed an automatic dry squaring machine which is particularly suitable for large-thickness slabs. One of the latest technological innovations is **PoliDry**, the first machine in the world for **dry honing**. This innovation brings a number of advantages:

- completely dry operation both for porcelain and for more absorbent ceramic surfaces (for the latter in particular the drying phase necessary in the wet process is eliminated), bringing significant energy savings;
- the process does not produce sludge or waste;
- the cost is lower due to the absence of a water supply system;
- no building work is required;
- a healthier workplace.

A solution with 8 to 24 heads for sizes ranging from 300 mm to 1650 mm. Thanks to its technical characteristics, this concept allows the machine to achieve the highest level of creativity. Today ceramic panels and slabs are seen as luxury products that combine exceptional aesthetic and technical quality thanks to their technological content.

In keeping with the SITI B&T Group philosophy, Ancora has invested in innovation and development with the aim of playing a key role in the so-called Fourth Industrial Revolution. Industry 4.0 has taken manufacturing to a new level, allowing for complete integration of machines along the entire production chain and introducing a new kind of interconnection with the operator. This is the concept behind **Ancora Tutor 4.0**, a new system that gives technicians a complete overview of the line together with a remote operation capability, resulting in perfect human-machine synergy. X



安可拉为如今必不可少的哑抛工艺提供了各种可能的配置，尤其是在抛光头数量（提供8个、10个、12个、16个、20个和24个抛光头系列）方面。

它们都配备了一系列可选的技术/电子功能，使设备的生产能力更高、效率更高、更易于管理，从而为瓷砖增添重要价值简化了工序。作为其持续关注技术创新的一部分，安可拉开发了一种自动干磨机，特别适用于大规格的厚板。其中一个最新的技术创新是**PoliDry**，这是世界上第一台用于**干法哑抛**的设备。这一创新技术拥有诸多优势：

- 对瓷质砖和吸水性更强的瓷砖表面进行完全干法作业（尤其对于后者来说，在湿法工艺的被淘汰的情况下，这种干法工艺是非常有必要的），能够大大节约能源；
- 该工艺不会产生沉渣或废弃物；
- 由于无需使用供水系统，因而成本较低；
- 无需建筑工程；
- 提供更健康的工作场所。

这个方案具有8-24个抛光头，规格从300mm到1650mm不等。技术特性的理念使设备的创造力达到了最高水平。如今，陶瓷大板被视为结合了卓越审美和过硬技术质量的奢华产品，这都要归功于安可拉设备的技术含量。

为了与SITI B&T集团的理念保持一致，安可拉在创新和研发方面进行了投资，以期在所谓的第四次工业革命中发挥关键作用。工业4.0已经将制造提升到一个新的水平，使整个生产链中的设备能够完全一体化，并引入与运营商的新型互连。而这就是安可拉 **Tutor 4.0** 背后的理念。安可拉 Tutor 4.0是一种新型系统，可以让技术人员全面了解生产线并实施远程操作，从而实现完美的人机协同。 X