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从家族根基到未来愿景： Micheletto Pavimentazioni 铺路石公司

这是一个始于 75 年前帕多瓦省圣乔治 - 德莱佩尔蒂切市的家族传奇。凭借塞韦里诺、塞尔吉奥和西尔瓦诺三兄弟的远见卓识，这个家族企业已发展成为意大利混凝土砌块和铺路石行业的标杆品牌。整整两代人，公司始终秉持扎根乡土与创新勇气的融合之道，却从未忘却产品背后凝聚的人文精神。

作为家族企业，Micheletto 始终将坚韧精神、忠诚品格与工艺热忱置于企业身份的核心位置。这些价值观不仅塑造了企业的发展轨迹，至今仍是决策制定的指引明灯。

在 Stefano Micheletto's 的引领下，企业开启了技术与战略增长的新篇章。2019 年，公司引进了海斯 RH 1500-3 MVA 型设备。这一决策成为重要转折点：旧设备虽功勋卓著，但新时代需求呼唤新解决方案。经过初期的设备磨合与流程重构，新生产线很快实现全负荷运转。如今这台配备全选装功能的 RH 1500-3 MVA 已成为核心生产力量，使企业能够满足从坚固标准铺路石到建筑师定制设计的多元化

需求。

对 Stefano 而言，设备仅是成功要素之一。与海斯公司的协作同样至关重要。"从合作伊始，我就感受到可靠支持，"他回忆道，"每当遇到技术挑战，海斯团队从未让我独自应对，始终专注于提供解决方案。"这份信赖成为双方合作的基石，也正是 Micheletto 在 2024 年决定增购海斯 RH 600-3 VA 型设备的关键动因。

新设备并非标准解决方案，其操控系统根据 Micheletto 的生产需求量身打造，确保与现有工作流程无缝衔接。作为核心设备的 Multimat RH 600-3 VA 型主机，完美融合了高效生产力与创作灵活性。其油浴振动器提供强劲均匀的振实效果，保障产品持久可靠性及品质一致性。同样关键的 ColorMix 抽板系统通过独特的三层分色混凝土布局，配合预设配方控制时序启闭，使不同色料在间歇式运动中交融形成独特且可复现的精准图案。该工艺在赋予产品立体感、变化性与独特个性的同时，确保持续稳定的产出效果。



Stefano Micheletto 与海斯代表及 Micheletto 团队合影



海斯 RH 600-3 VA 型设备

RH 600-3 VA 设备的精密运行

RH 600-3 VA 是一款中型固定式混凝土砌块及铺路砖生产设备，能够生产铺路砖、平板、空心实心砌块、路缘石及挡土墙等多种产品。该设备核心采用坚固钢架结构，配备实体底座和由四柱导向系统支撑的上部框架。这种设计确保模箱与振捣头实现精准液压驱动。所有导向柱均经过硬铬镀层处理并安装在可替换轴套内，从而保证长久使用寿命与低维护需求。

灵活性是模制系统的核心特点。模箱采用气动夹紧装置，可实现快速切换。振捣头安装于承载两个同步振动器的重型桥架上。由伺服电机驱动的振动器产生高动态垂直振波，这对顺利脱模至关重要。在脱模过程中，液压制动器会锁定振捣头，确保产品尺寸精确无误。

针对特殊异形产品，Micheletto 公司采用集成式捣固头横向清洁装置。当标准刮料效果不足时—例如生产路缘石、粗面结构或曲面几何形状产品—该装置便会启动。由电动齿轮电机和滚子链驱动的刮臂在抬起的捣固头下方横



操作人员通过西门子 SCADA 系统监控并微调生产流程，确保持续稳定的产品质量



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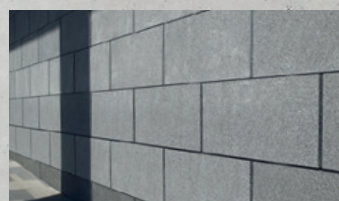


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向移动，清洁靴式刀头，确保即使复杂造型也能稳定成型。横向清洁器通过减少人工清理环节，有效保障设备持续运行与质量稳定性，尤其在 demanding 生产任务中表现突出。

振动台通过橡胶缓冲器与机架实现机械解耦，这既保证了从生产板到模内混凝土的高效能量传递，又最大限度降低了结构应力。两台频率可控的双轴振动器支持振动力无级调节，既能实现强力压实，又能轻柔处理易损产品。

混凝土喂料系统设计精准可靠：基料通过配备料位传感器的料斗供给，液压驱动的喂料箱搭载滚轮系统与耐磨台板；而面料喂料单元则配备激光传感器实现精确料位控制。

设备运行由西门子 S7 系列 PLC 结合彩色触摸屏进行控制。该控制系统支持实时参数调整，同时具备配方存储功能，可快速调用预设程序实现产品换线，显著提升转产效率。

下游处理流程已实现全自动化，从脱模到堆垛、从卸

垛到空托盘回传，产品都能顺畅流转。伺服驱动码垛机将成品砌块层精准预备至后续工位，在提升效率的同时保障作业一致性。精准定位系统确保产品尺寸精确无误，现代化安全装置则为操作人员与设备提供双重防护。

干区处理

所有核心系统——从喂料、成型到压实、脱模及输送——均实现无缝集成。在干区环节，全自动码垛机 Servo Pak 700-2 正高效精准地堆垛完工的铺路砖。

RH 600-3 VA 虽已成为企业新的技术里程碑，但 Micheletto 的视野远超越机械设备本身。可持续发展已成为核心准则：全线生产采用可再生能源，通过屋顶光伏系统获取太阳能，生产工艺全部水基化，燃气已被完全淘汰。公司内部设立研发部门，与建筑师和设计师紧密合作推动创新，并通过三年发展规划明确新产品线的研发方向，确保高标准持续迭代。



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这种既专注核心产品稳定生产，又致力开拓前沿项目的双重战略，构成了 Micheletto 的独特发展模式。除标准铺路砖外，企业持续提供定制解决方案，其精湛的表面处理工艺创造出充满层次与细节的质感，赢得客户与国际评审团的高度认可。

如今，Micheletto 年产量约达 70 万平方米铺路产品。尽管规模持续扩大，企业根基始终未变：这仍是一家深植于本土的家族企业，坚持品质至上，坚信人机协作能将创意转化为现实。

展望未来，Stefano Micheletto 用坚定取代空谈：“我

们将持续夯实企业根基。先进设备让我们实现标准设备难以企及的创意，优秀团队则能打造经得起技术推敲、审美考验并与客户产生共鸣的永恒产品。”



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