DHD - DIGITAL HIGH DEFINITION　高清数码喷墨打印机
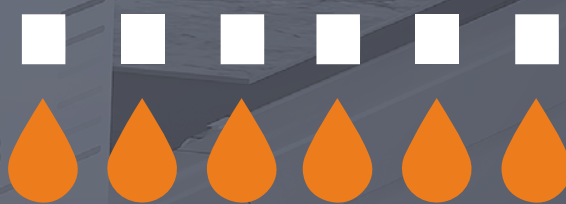
Up to 12 color bars for the combined application of inks and materials.

最多可配置12个通道，用于颜料墨水和功能墨水的组合应用。

dhd

DHD

DIGITAL HIGH DEFINITION

高清数码喷墨打印机

Independently controlled ink and material application units. Flexible software-controlled management of native print head resolutions. Integration of print heads made by different manufacturers.

更有成效

颜料墨水单元和功能墨水单元独立控制。灵活的软件控制系统能够有效的控制和匹配来自不同的颜料墨水喷头和功能墨水喷头系统。

MORE CONNECTED

Remote-controlled size changeover, texturing and decoration. Digital synchronization with other SACMI Deep Digital solutions. Natively connected to HERE, the 4.0 digital manufacturing platform.

更多连接

遥控尺寸更换、纹理和装饰。与其它萨克米深度数码解决方案数字化同步。可连接HERE——4.0数字制造平台。

MORE SUSTAINABLE

Technology ready for the control of water-based fluids to ensure sustainable application. Dedicated purge and spitting systems prevent dispersion of inks into the environment and ensure long-lasting reliability and repeatability.

更可持续

兼容水机化合物的应用准备，专有的点喷和清洗系统防止墨水对于环境的污染，同时确保设备使用的长期性和稳定性。

SACMI
DHD 1408
DIGITAL HIGH DEFINITION

EASY TO HANDLE

Less maintenance, easy access to vital machine parts

易操作

维修便捷，容易操作。

PRINTING ADVANTAGES

Optimal graphic rendering thanks to patented FLS (Frequency Linearization Screening) software

打印优势

独有的FLS（频率线性化筛选）专利软件技术使得打印的图案更逼真。

DHD

DIGITAL HIGH DEFINITION

高清数码喷墨打印机

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STATE-OF-THE-ART
WET DIGITAL DECORATION

SACMI DHD is a complete solution for the combined digital application of inks and materials. The range provides better print quality, maximum flexibility to respond quickly to market demand and efficient management of diversified products and small lots.

More specifically, the latest generation of SACMI DHD digital decorators features:

- **up to 12 color bars** to meet all digital decoration needs

- **fully independent control** (also from a mechanical viewpoint) of the bar set dedicated to color (inks), separating it from the head set that deposits **effects** (glazes and materials)

- upstream software-controlled management of different **native resolutions on different commercially available heads** to maximize application results at all times.

中文

最先进的湿法数码装饰系统

萨克米DHD提供完整的数码打印解决方案，适用于颜料墨水和功能墨水。

该解决方案可提供更高的打印品质，具有快速响应市场需求的最大灵活性和实现对各种产品和小批量生产的高效管理。

具体来讲最新一代的萨克米DHD高清数码喷墨打印机的功能：

·最多可配置12个通道，满足所有的数字装饰需求；

·完全独立地控制（从机械角度也是）专门用于颜色（墨水）的单元，与效果（釉料和材料）单元分开管理；

·上游软件控制系统，对市面上不同喷头的不同原始分辨率进行管理，可随时获得最大的应用效果。

独特的平台系统

A unique platform

The main advantage of **DHD** is that it lets customers respond to different decoration and digital printing needs with a single platform, and always with maximum efficiency; DHD, in fact, can be integrated with other **SACMI Deep Digital, DDD** (dry digital decoration) and **DDG** (Digital Decoration & Glazing) solutions.

Thanks to "native" multi-resolution management, the **SACMI-patented FLS (Frequency Linearization Screening)** software itself selects the layers in the upstream graphics project in a way that matches the specific resolution and control electronics of the different head types.

SACMI has extended this system to the entire Deep Digital machine range, especially DDG, the revolutionary SACMI application solution for the combined deposit of dry/wet materials and effects. What's more, all the machines on the line are natively connected to **HERE software**, allowing full 4.0 management of the glazing and decoration process.

Thanks to perfect coordination with the various digital devices, SACMI Deep Digital Line allows an **integrated approach to process control, optimizing productivity and costs even when managing small lots or different production mixes**.

DHD的主要优势在于一个平台就可以同时满足客户对于装饰效果和颜色打印的不同需求，始终提供最大化的工作效率；同时DHD还可以与萨克米的Deep Digital深度数码的其他设备进行系统集成，如DDD（数码干粉装饰系统）和DDG（数码装饰和施釉系统）等。

萨克米的FLS（频率线性化筛选）专利技术系统使得输入的图案设计能够和不同的打印喷头进行合理的匹配和控制。

萨克米也已将该系统扩展到整个的Deep Digital深度数码设备系列中，特别是DDG数码装饰和施釉系统，这样萨克米可以提供革命性的干/湿材料同时应用的解决方案。

此外，生产线上所有的萨克米设备，都可以连接到HERE的软件系统中，实现工业4.0对于施釉和装饰生产线上的全面管理。

得益于不同数字设备间的完美配合，萨克米的Deep Digital 深度数码生产线能够集成控制，优化生产效率和成本控制，特别是对于多品种或小批次的生产管理。
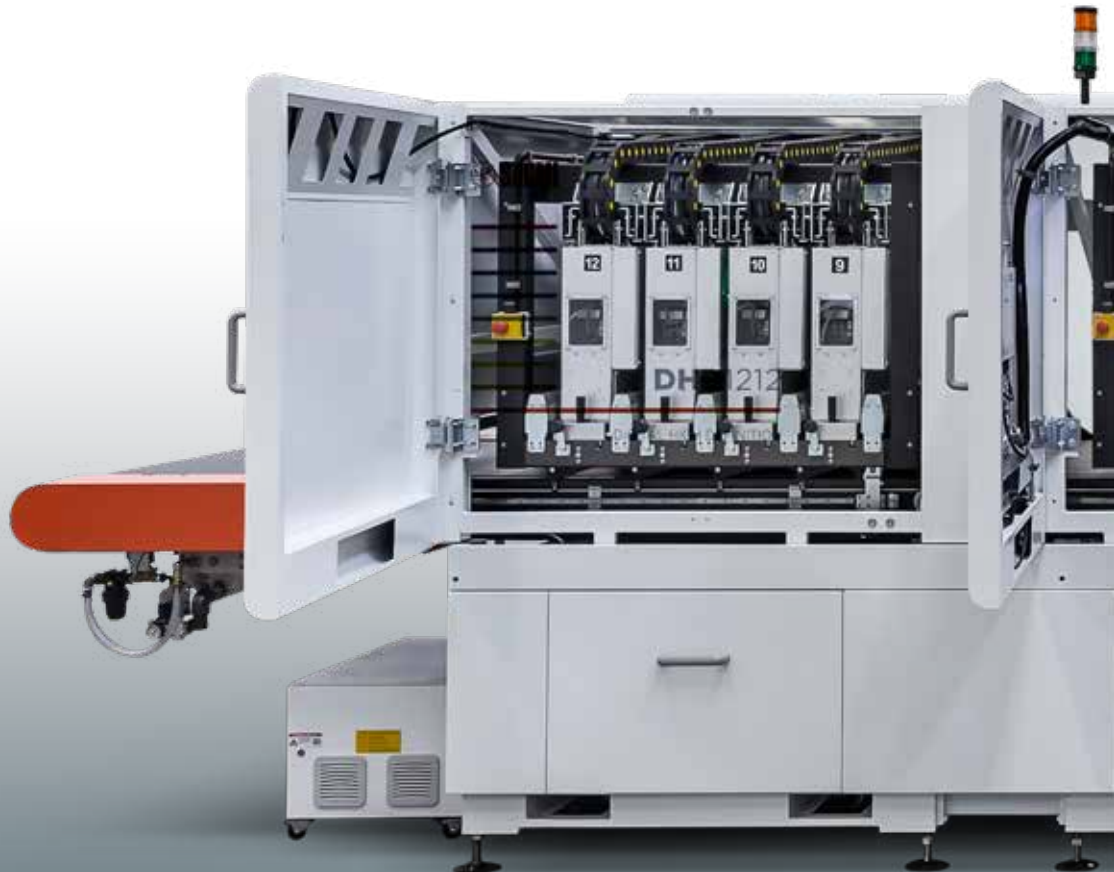
灵活的解决方案

A flexible solution

In the ideal (8+4) configuration, the decoration unit optimizes control of the differing frequencies with which the ink and effects application sets are used. Independent control of these sets means that, when not required by the product/graphics, the unused set can be **mechanically raised above the printing area** and protected, during this phase, by the automatic spitting system. The result: **nozzles are kept perfectly clean**, ensuring they're **ready for operation** at maximum efficiency at all times.

From the customer's perspective, note also that the **investment can be made gradually** accor-

在理想的（8+4）通道配置中，设备对于颜料墨水和功能墨水的不同应用，进行了不同频率的优化控制。独立的控制系统，在产品不需要打印设计图案时，能够将无需使用的组件升高到打印区域以上，并在此阶段，通过自动点喷系统进行保护。这样能够保证每个喷嘴的清洁，确保随时准备以最大运行效率运行。

ding to production and market needs. Customers can, in fact, initially opt for a DHD smart configuration with 8 bars in total (two of which are dedicated to material deposits) and then, over time, add new bars as required. The new technology also comes ready for use with **latest-generation water based compounds**; these have lower environmental impact and guarantee reliability and repeatability over time thanks to dedicated purge and spitting systems, a must for efficient control of such compound types.

站在客户的立场，您对于DHD设备的投资可以根据市场的需求和生产的需要逐步选择升级。

在实际的应用中，刚开始您可以选择DHD8个通道设备的配置（其中2个通道是功能墨水），然后，根据市场和生产的需要，再增加通道。DHD设备还配备了新的技术可以适用于最新的水基化合物材料；可降低对于环境的污染，由于专有的清洗和点喷系统，对此类化合物进行必要而有效的控制，保证设备长期使用的可靠性和可重复性。

DHD 12通道高清数码喷墨打印机

DHD 12 bars

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An evolution of the current DHD digital decorator, the new platform with 12 color bars broadens the color palette and extends the range of effects.

The specially configured, independent module 4 allows independent enabling of the two print units: one can be enabled, the other deactivated and protected with the full print head safeguard cycle (spit, purge, automatic ink collection reservoir).

中文

最新的DHD数码喷墨打印机，配备了12个通道，能够使打印的颜色和效果进一步拓展。

特殊的独立4模块系统，能够使两个打印单元：一个在工作，同时另一个处于非工作的备用补偿保护状态（点喷，清洗，自动回收墨水）。

Automated ink reservoirs also allow collection of spitting and purge cycle residues, thus avoiding any staining of the belt and the consequent dispersion of inks into the environment. An independent dual cleaning system with extraction bar aids cleanliness of the active module during routine operation.
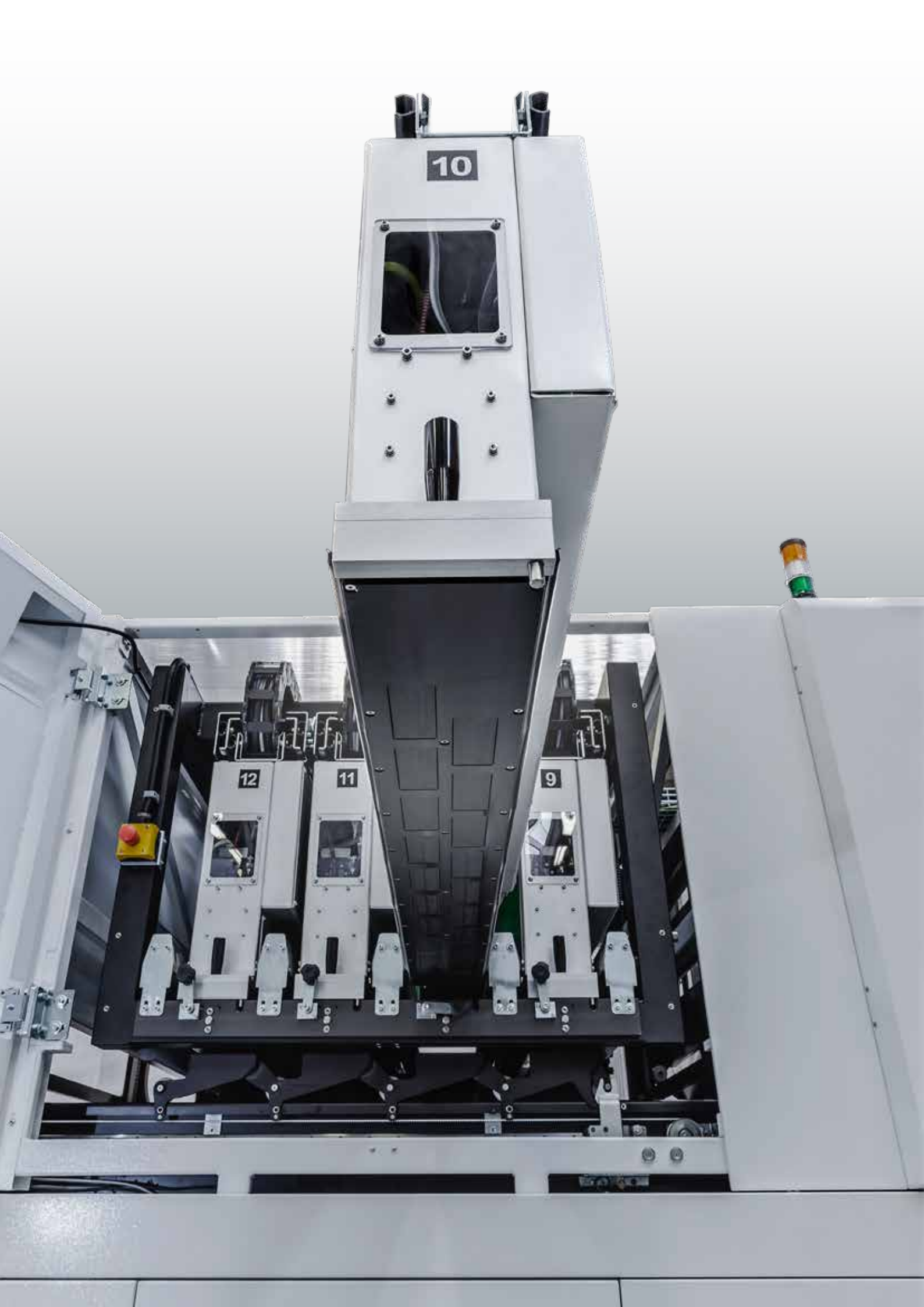
Multi-resolution management (different DPIs for each color channel) allows selection of specific resolutions (i.e. the ability to attribute the most suitable resolution to each color channel); this results in optimized color processing, lighter graphics and, therefore, shorter image processing times.

Similarly, the DHD 1212 can be equipped with different print head types to optimize the requested application characteristics with respect to the performance of the selected head model.

自动回收墨水系统可收集来自点喷和清洗循环时使用过的墨水，避免墨水对于皮带和环境的污染。

独立的双重清洁系统有助于在设备正常使用的过程中对于设备进行有效的自清洁。

同时，DHD1212型号的设备，还配备了不同类型的打印喷头，能够根据所选打印头的性能优化所需的应用特性。

技术参数

Technical data

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The DHD comes in **different size-related config-urations**. It can also handle not just a complete color range but the deposit of various types of non-pigmented fluids (sheens with iridescent, glossy, matt, white effects, etc.).

The customer always retains the option of in-stalling new bars (up to 12), ensuring **optimal management of the investment according to the product portfolio and production needs**.

中文

DHD设备选型根据尺寸和规格有不同的配置。不但能够提供全色域的颜料墨水通道系统，而且也能够配置不同的功能墨水（闪光，高光，亚光，白色等）系统。

同时客户始终有安装新通道的保留选项（最多达12个通道），可确保客户根据产品组合和生产需求对投资进行最优化管理。

技术特性

TECHNICAL CHARACTERISTICS	DHD908	DHD1208	DHD1212	DHD1408	DHD1808	DHD1812	DHD2008
Max. print width mm (Max. n. of heads) 最大打印宽度mm	903	1161	1161	1355	1806	1806	2024
Max. n. of color bars 最多颜色和功能墨水通道数量	8	8	12	8	8	12	8
Max. resolution / speed 最大分辨率/速度	400 DPI at 40 m/min						
Dimensions mm (length x width x height) 尺寸mm （长x 宽x高）	4650x 1950x 2200	4850x 2610x 2231	6500x 2100x 2200	4850x 2610x 2231	5760x 2900x 2150	7790x 3058x 2494	8050x 3220x 2250

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