

RD DRYERS RD 干燥炉

Newly designed multi-layer dryers that maximize manufacturing flexibility and streamline process management and maintenance.

全新设计的多层干燥炉，可最大限度提升生产灵活性，同时简化流程管控与设备维护工作。

# RD dry ers



**SACMI**  
ENDLESS INNOVATION SINCE 1919

# RD Dryers

An innovative, highly configurable range of multi-layer dryers that maximize manufacturing flexibility and streamline process control and maintenance.

创新型高适配多层干燥炉系列，可最大限度提升生产灵活性，简化流程控制和设备维护。

## MORE FLEXIBLE

Increased operational flexibility thanks to outstanding configurability

## 更灵活

优化配置可使操作更灵活

## MORE MANAGEABLE

Optimized dimensions and logistics thanks to a “monobloc” structure that can be disassembled

## 更可控

可拆卸的“一体化”结构可优化尺寸和物流

### NUMBER OF CONFIGURABLE LAYERS

Available with 3 to 9 layers, both odd- and even-numbered

可配置的层数

从3-9层均可，单层或者双层皆可

### PARTITIONS

Partitions can be mounted between the rollers

隔板

隔板可以安装在棍棒之间。

### MORE ACCESSIBLE

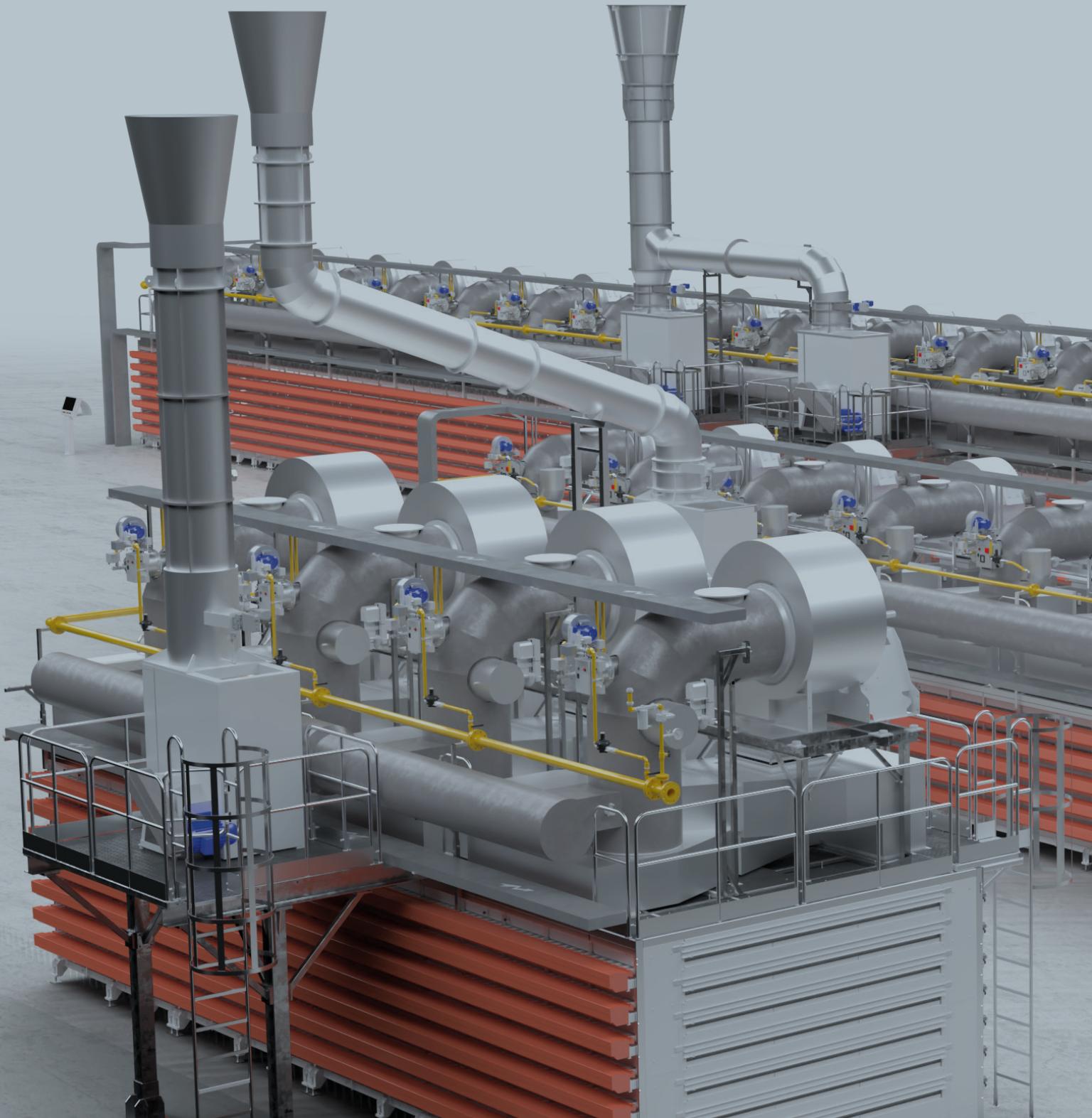
Easy maintenance with larger doors and no external lateral "downpipes"

更方便维修

门体加宽设计，且无外置侧面落料管，维护便捷省心。

# Highly configurable and compact

RD is SACMI's newly designed range of multi-layer dryers. Available with 3 to 9 loading levels (including even-numbered configurations), the RD offers outstanding configurability and compactness. The result: greater versatility on different product sizes and types.

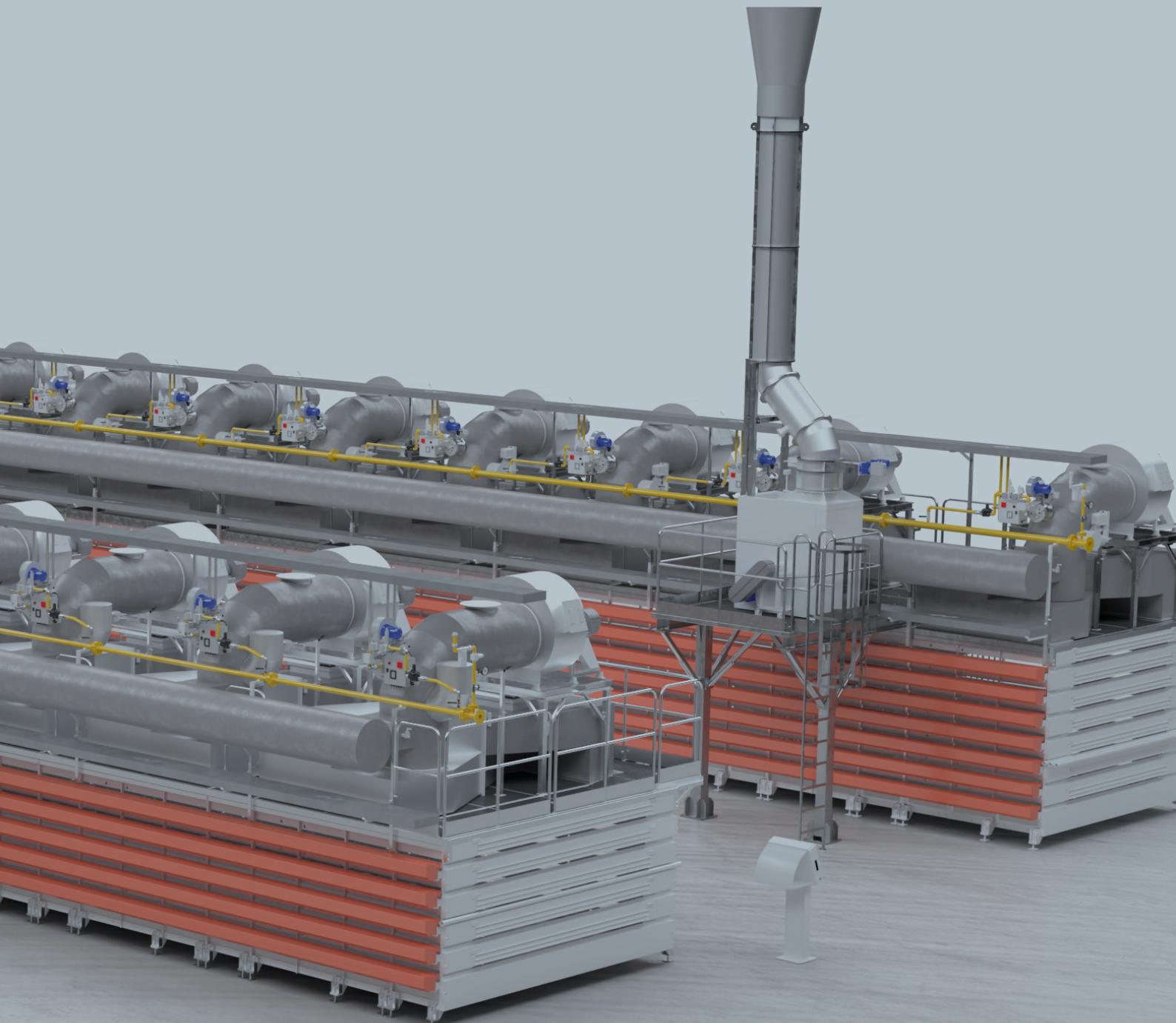


# 灵活配置 结构紧凑

RD 系列是萨克米 (SACMI) 全新设计的多层干燥炉产品线。

该系列机型可配置 3 至 9 层进料单元 (含偶数层配置方案)

，兼具优秀的配置与紧凑设计，能够灵活适配多种规格及品类的产品生产。



# Optimized process control

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RD combines all the advantages of the current range of SACMI multi-channel dryers (EM5/7 and ECP/E7P).

Key design features:

- **improved maintenance access** thanks to larger doors and the absence of external lateral “downpipes”;
- **ease of use** thanks to a simplified HMI;
- **precise control of flows and heat exchange** ensures higher quality and lower consumption.

The machine has a monobloc structure that can be disassembled, simplifying and optimizing logistics. It's also possible – at the customer's discretion – to install **partitions between roller layers** to improve process control under all manufacturing conditions.

# 优化流程控制

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RD 将 SACMI 现有系列多层干燥炉 ( EM5/7 和 ECP/E7P ) 的所有优点集于一身。

主要设计特点：

- 维护更方便，得益于大门设计以及取消了外侧“落料管”；
- 操作简便，得益于简洁的人机界面；
- 精准控制流量和热交换，从而提高效率并降低能耗。

设备采用一体式可拆解结构设计，大幅简化并优化物流运输流程。此外，可根据客户需求，在各棍棒之间加装分隔板，确保各类工况下的工序管控效率均能得到提升。



**SACMI**

Ceramics Better



# More versatility, simpler maintenance

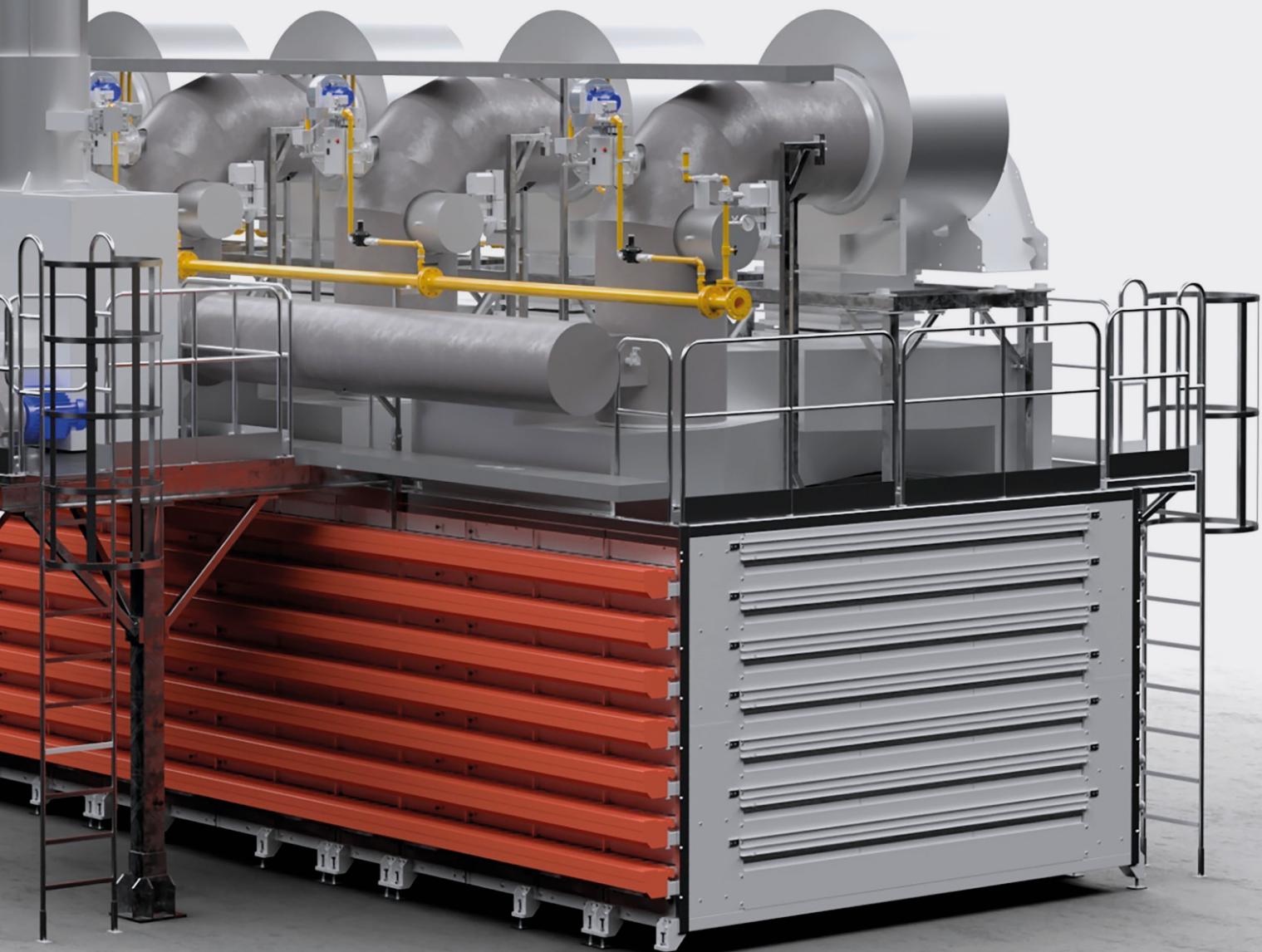
更通用，更简单

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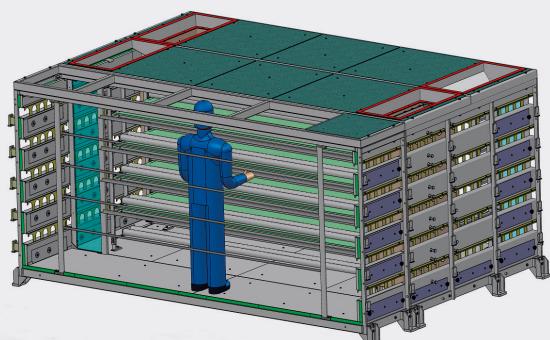
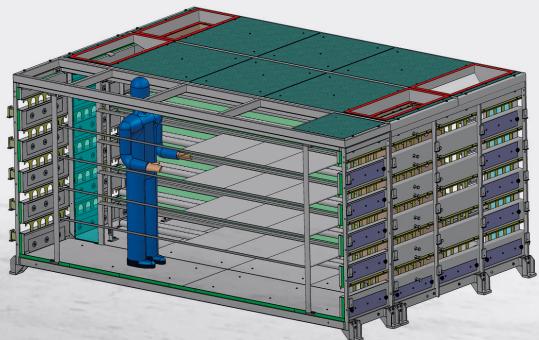
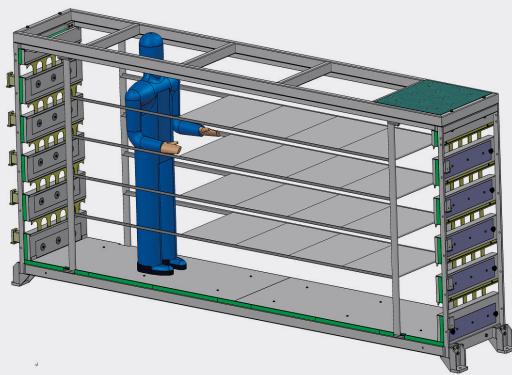
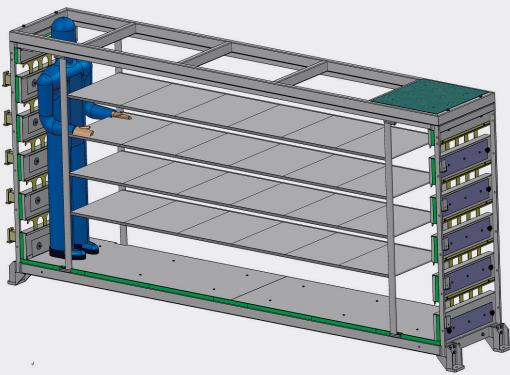
The SACMI RD dryer is available in various combinations in terms of both **inlet width** and **number of layers**. This maximizes versatility of control whatever the product being manufactured, including **the most delicate products such as slabs**.

萨克米 RD 系列干燥炉支持多种配置组合，可灵活选择进料口宽度与设备层数。基于这一特性，设备能够以极高的灵活性适配各类生产需求，即使是大板这类易损产品也能稳妥处理。



The RD dryer is designed to **streamline and simplify maintenance**. For example, the separation module features access points in the vault, has no blowers or hoods inside and has no external lateral 'downpipes'.

RD 系列干燥炉采用精简维护流程的专门设计，大幅降低设备维保难度。例如，分隔模组配备弧形检修口，设备内部不设吹扫风机与集气罩，且无外置侧面“落料管”。



# RD advantages RD优势

## MORE PRODUCTIVE 更具生产力

Compact machines require little space and ensure high productivity. They also offer outstanding flexibility and adapt smoothly to all manufacturing needs.

设备结构紧凑，占地面积小，且能保障高生产效率；同时兼具卓越的灵活适配性，可顺畅满足各类生产需求。

## MORE CONNECTED 更智能管控

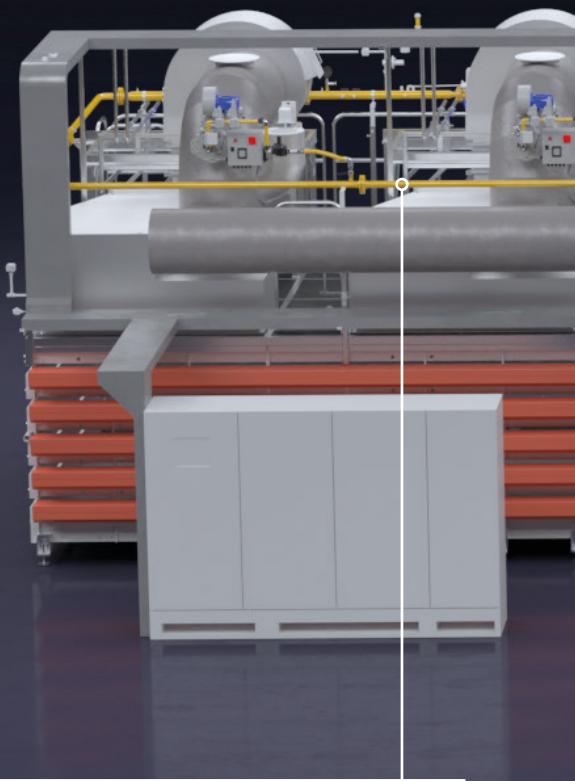
Easy control and management of the entire process via control panel/tablet: no material breakages. Remote control via the kiln/plant PC is also possible.

通过控制面板 / 平板电脑即可轻松管控全流程，无物料破损；同时支持通过窑炉 / 工厂电脑实现远程操控。

## MORE SUSTAINABLE 更可持续

Designed to draw on thermal energy retrieved from the kiln. Very low consumption, reducible to zero on the "0 Fuel" version.

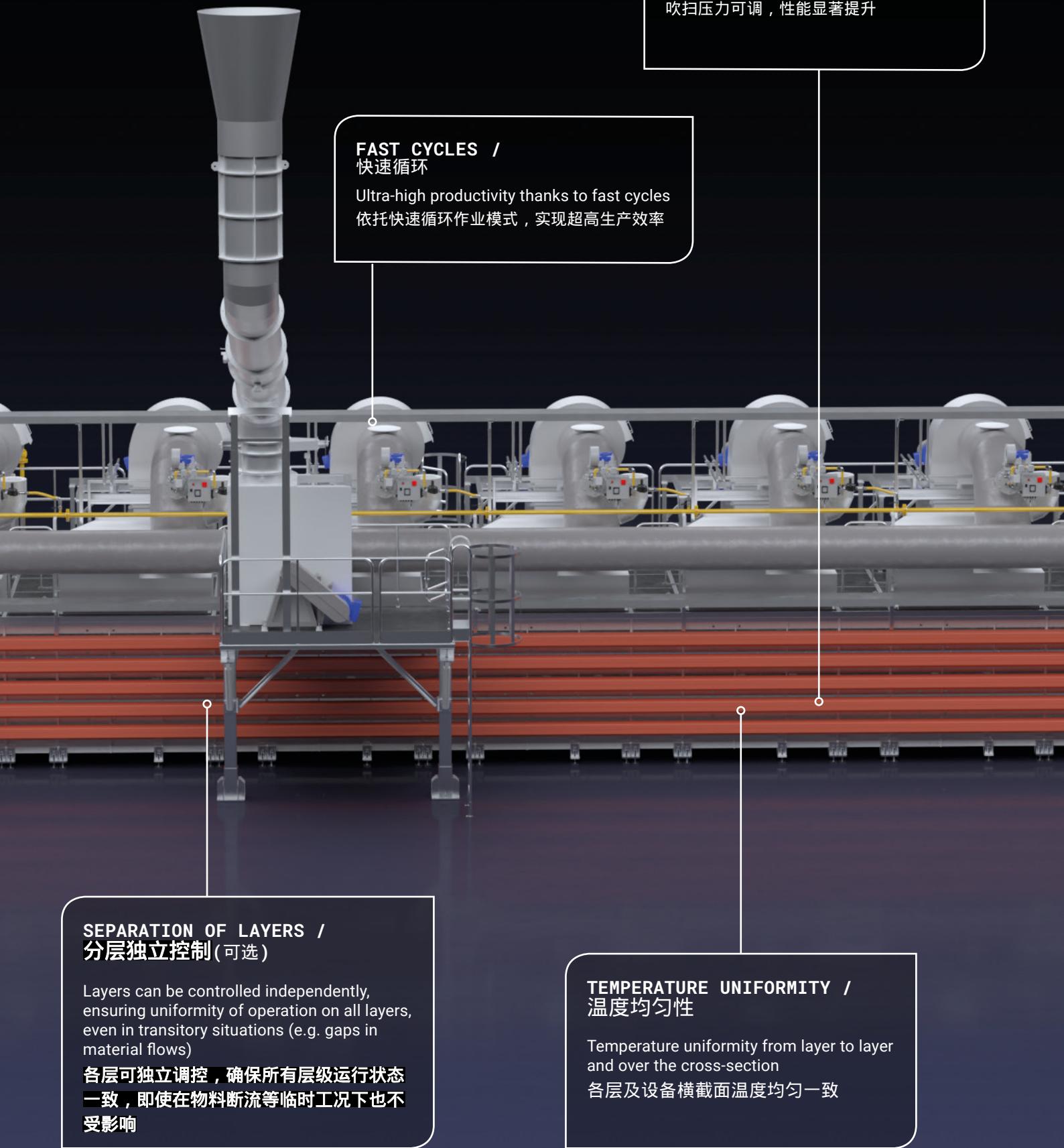
设备采用窑炉余热回收设计，能耗极低；搭载“零燃料”版本时，能耗可降至零。



## ENERGY SAVINGS / 节能降耗

Hot air retrieval from the kiln cooling zone and ultra-high quality insulation provide energy savings

回收窑炉冷却区的热风，搭配超高质量保温设计，实现显著节能效果。



# Carbon-neutral ready... and 'zero fuel' too.

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On the RD dryer, new '**hybrid**' configurations are available: natural gas-electric and hydrogen-natural gas.

Depending on the availability of renewable energy, manufacturers can accelerate towards **carbon-neutrality** goals, limiting both consumption and emissions while safeguarding the environment.

Furthermore, all dryers are designed to retrieve hot air from the Maestro kilns, with the possibility of arriving at a '**zero fuel**' version and eliminating consumption during routine line operation.

Options available on the RD include the **chain drive**, which requires no lubrication, thus eliminating the complexities of circuit management (no risk of oil leaks).

RD 系列设备可选配  
链条传动装置，无需  
润滑剂，由此省去管  
路运维的复杂工序，  
( 无漏油风险 )

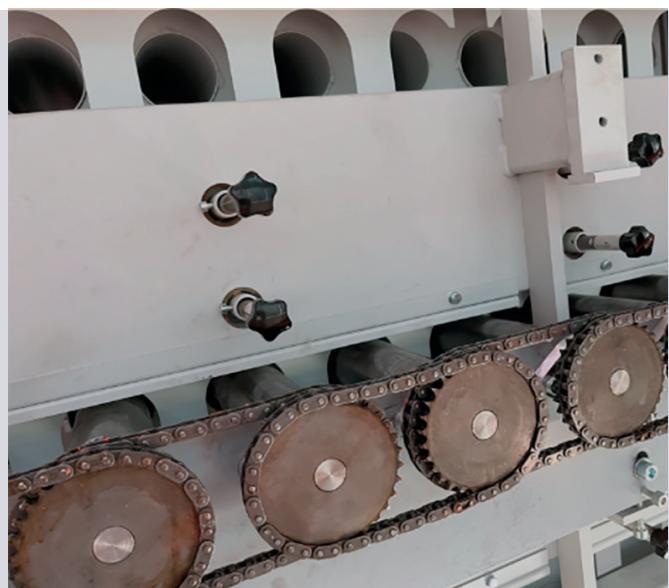
# 碳中和 准备... 和‘零燃料’

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RD干燥炉现推出新型**混合配置**，包含天然气-电力，天然气-氢气。

制造商可根据可再生能源的供应情况，加快推进**碳中和**目标的实现，在严控能源消耗与污染物排放的同时做好环境保护工作。

此外，所有干燥炉均设计为从大师窑炉中回收热空气，可能实现“零燃料”化，并在常规生产线运行期间避免燃料消耗。





## SUITABLE FOR ALL FUEL TYPES

适配所有燃料类型

### RENEWABLE ENERGY

可再生能源

Electric

电

Hydrogen

氢气

### HYBRID SOLUTIONS

混合方案

Gas + electric

气+电

Gas + hydrogen

气 + 氢

### FOSSIL FUELS

矿物燃料

LPG

液化石油

Gas

天然气

Gas oil

柴油

Lean gas

贫气

# Configuration/ product examples

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The image illustrates, as an example, the various combinations of tile widths and dryer inlet clearances.

As the diagram shows, different widths can be configured in relation to the inlet, **maximizing flexibility in terms of different product sizes.**

# 配置/ 产品样例

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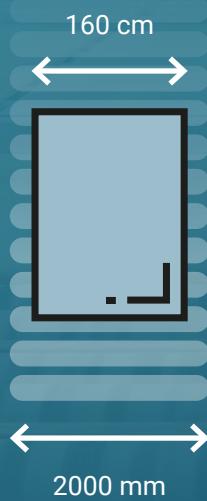
本图以示例形式呈现了瓷砖宽度与干燥炉进料口间距的多种组合方式。如图所示，可根据进料口规格适配不同宽度，针对多样化的产品尺寸实现操作灵活性最大化



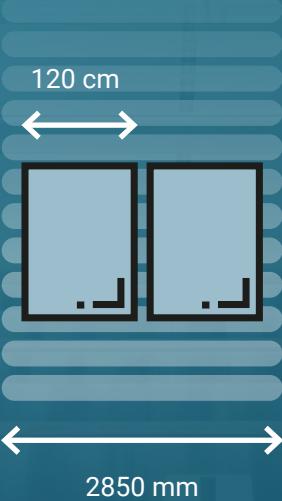
DIRECTION OF FEED SENS0 DI MARCIA



1 PCS  
1 片



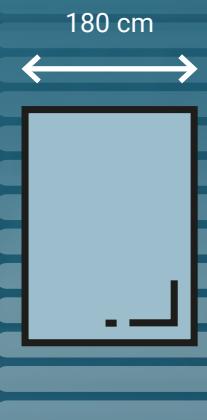
2 PCS  
2 片



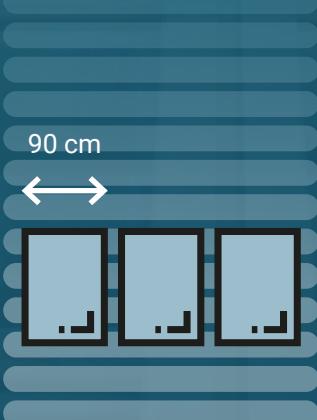
5 PCS  
5 片



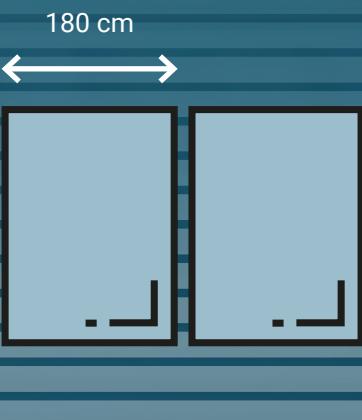
1 PCS  
1 片



3 PCS  
3 片



2 PCS  
2 片



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