

KCM 阿尔发基本型

KCM 阿尔发基本型 - 半手工生产夹心产品的最佳选择，包含伺服电机驱动，及具有专利的旋转式浇注杆。

窄机身设计，底座安装有滑轮，可随意移动。悬臂式设计，更易操作与清洗。

KCM 阿尔发基本型可搭配各种已标准化的工具，如可调角度挤花嘴、旋转挤花嘴、甚或三色及四色挤花嘴、双色夹心、或双色外壳等，配套工具甚至还包含料斗内搅拌装置、自动润滑系统等，不一而足。



KCM Alpha Compact

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KCM Alpha Compact - the ultimate tool for the artisan production of One-Shot filled products. Fully electro servo driven depositor with the patented turning piston system.

Slim body and can be placed on wheels to move the machine around. Cantilever design for easy handling and cleaning.

A wide range of standard tools is available for the KCM Alpha Compact. Adjustable swivel nozzles, Rosette-turning-devices or even Triple-/Quadro-Shot tools for double-filled and/or two shell-colour products, agitators for hoppers and water-drop-lubrication-system, etc. round up the package of the Alpha Compact.

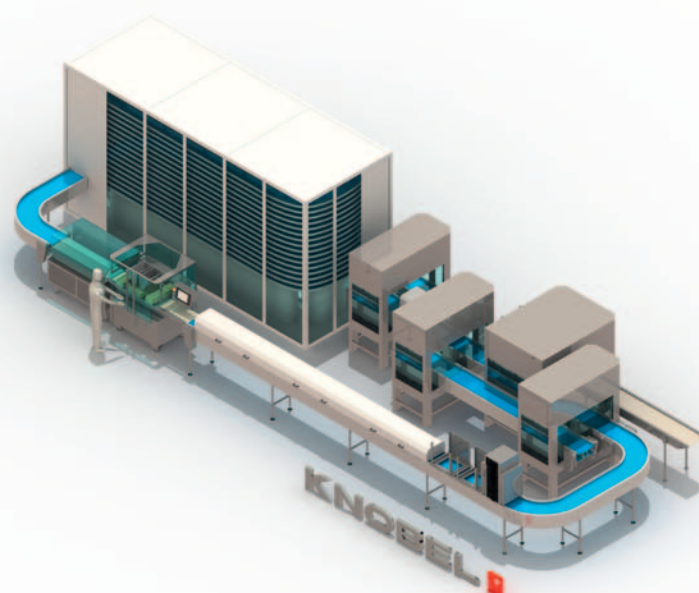
模块化注模成型线

生产线可随市场需求而成长。

模块化成型线的设计理念在于可以根据需要，通过添加新的元件到现有的设备，以达到扩充产能的目的。

如你现有一台浇注机，可以很容易地增加一台螺旋冷却塔，以完成产品的连续性冷却。现有单机永远都可以用于实现未来的半自动或全自动成型线。

我们可以在现有生产线基础上，通过延长螺旋冷却塔来增加产能。亦或是增加自动脱模设备，以减少人工。

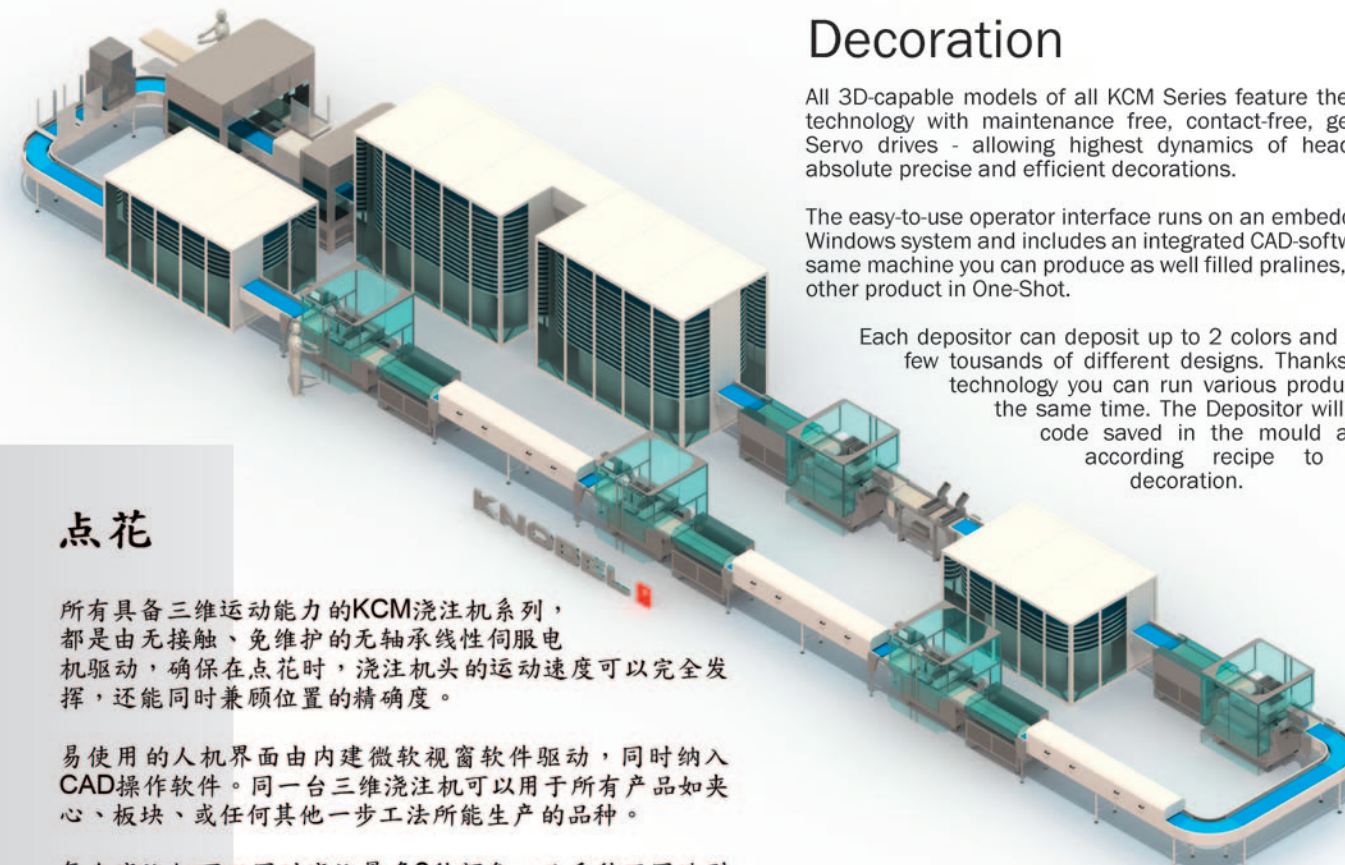


Modular Moulding-Lines

Grow with your needs. The modular concept of our moulding lines, allows you to increase capacity by adding new components to your existing equipment.

If you have an existing depositor, you can easily add a cooling spiral to cool your products in-line. You can always use your existing equipment to be implemented in a semi- or fully-automated moulding line.

On existing lines we can increase your capacity by extending the cooling spiral or add an automatic demoulding to reduce handling operations.

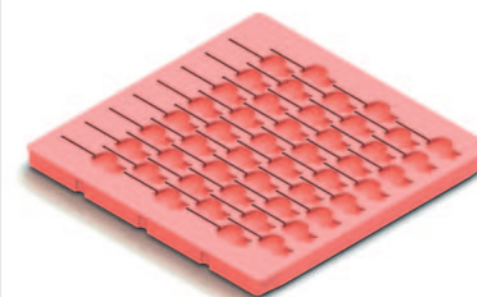


点花

所有具备三维运动能力的KCM浇注机系列，都是由无接触、免维护的无轴承线性伺服电机驱动，确保在点花时，浇注机头的运动速度可以完全发挥，还能同时兼顾位置的精确度。

易使用的人机界面由内建微软视窗软件驱动，同时纳入CAD操作软件。同一台三维浇注机可以用于所有产品如夹心、板块、或任何其他一步工法所能生产的品种。

每台浇注机可以同时浇注最多2种颜色、几千种不同造型。基于RFID技术的运用，我们可以同时运行设计不同的产品。浇注机会读取保存在模盘里的产品码，并执行相对应的操作。



冷塑成型

适用于生产精致巧克力、巧克力板块、卡通人物、或是一端开口的薄壳外加任何型式的点花。薄壳厚度最小从0.5毫米至任何你想要的厚度。

获有国际专利保护的冷塑成型ColdPress®模具，是由一个铜制印模，外加经阳极处理过的银质硬保护层，在干燥、露点受控制的环境下运行。模具在压印时的温度大约2摄氏度，流水线速度最高可达每分钟24盘，可以同时生产外形不同的产品，性状不同的浆料也可以同时生产。



Decoration

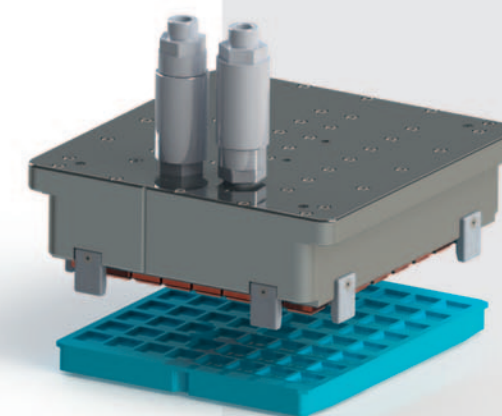
All 3D-capable models of all KCM Series feature the latest Servo technology with maintenance free, contact-free, gearless linear Servo drives - allowing highest dynamics of head-motions for absolute precise and efficient decorations.

The easy-to-use operator interface runs on an embedded Microsoft Windows system and includes an integrated CAD-software. With the same machine you can produce as well filled pralines, bars and any other product in One-Shot.

Each depositor can deposit up to 2 colors and can handle a few thousands of different designs. Thanks to the RFID technology you can run various product designs at the same time. The Depositor will read out the code saved in the mould and load the according recipe to make your decoration.

三维浇注机可以单机独立运行，也可以是成型线里的一个单元，从而形成一条完整的工业用点花线。

The 3D Depositor (CAD) can be used as a stand-alone machine or included in a moulding line, so an industrial production of decorated articles is possible.



ColdPress® - Shell-Forming

Precise shell production for pralines, bars, figures or even open shells with any style of decorations. Shell thickness as you specify - from 0.5 mm on.

The international patented ColdPress® tools feature a copper die with a hard anodised silver coating and works in a dew point controlled, dry environment. Tool temperature at pressing is around +2°C and line-speeds up to 24 moulds/min. even with assorted products and a variety of different chocolates.



Nut Depositor - KCM-N

All industrial KCM series are also available as KCM/Nut for whole nuts and big inclusion deposits. The nut piston is made of two parts, but only the inner mouth-piece is turning. Big inclusions, such as whole almonds, hazelnuts, pistachios, raisins or rice can be deposited exactly with either 50, 60 or even 70 mm pistons. The nozzle-plate features a sliding-plate to avoid drips on the belt.



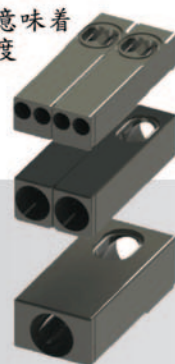
可互换系统

我们设计了可互换的浇注杆系统，最大化了浇注机的灵活性。可以通过将夹心浇注杆更换成较粗的坚果浇注杆，以扩充浇注重量及容纳含整粒坚果的夹心。因此我们的浇注机可以生产有夹心的精致巧克力、各种大小板块、以及含整粒坚果夹心的产品。

KCM 坚果浇注机系列也有CAD三维机型，这意味着它是一台可以集坚果/有夹心/点花于一身、高度灵活的多功能浇注机。

Interchangeable system

To reach the maximum flexibility on the depositors, we made an interchangeable piston system. This allows you to change the One Shot pistons by bigger nut-pistons to dose more volume and mass with whole inclusions. So you can use your depositor to make OneShot pralines and tablets as well as products with inclusions.



KCM/Nut is also available as CAD-execution, that means it can be used as a very flexible, multi-purpose Nut-/One-shot-/ Decoration-depositor, all combined in one.

Knobel quality

Since 1983 Knobel is developing machines for the confectionery industry based on the newest standards and best technologies. As a family owned business our prime principle is to create machines with the highest quality and precision. All our machines are manufactured and assembled in our plant in Switzerland.

We would be pleased to welcome you at our factory and show you the philosophy and the quality standard of Knobel. Visit our laboratory to test our machines with your masses to see what is possible with the latest technology.

瑞士科诺博公司

KNOBEL 

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模块化设计 - 模块化构思 Modular thinking - Modular Design

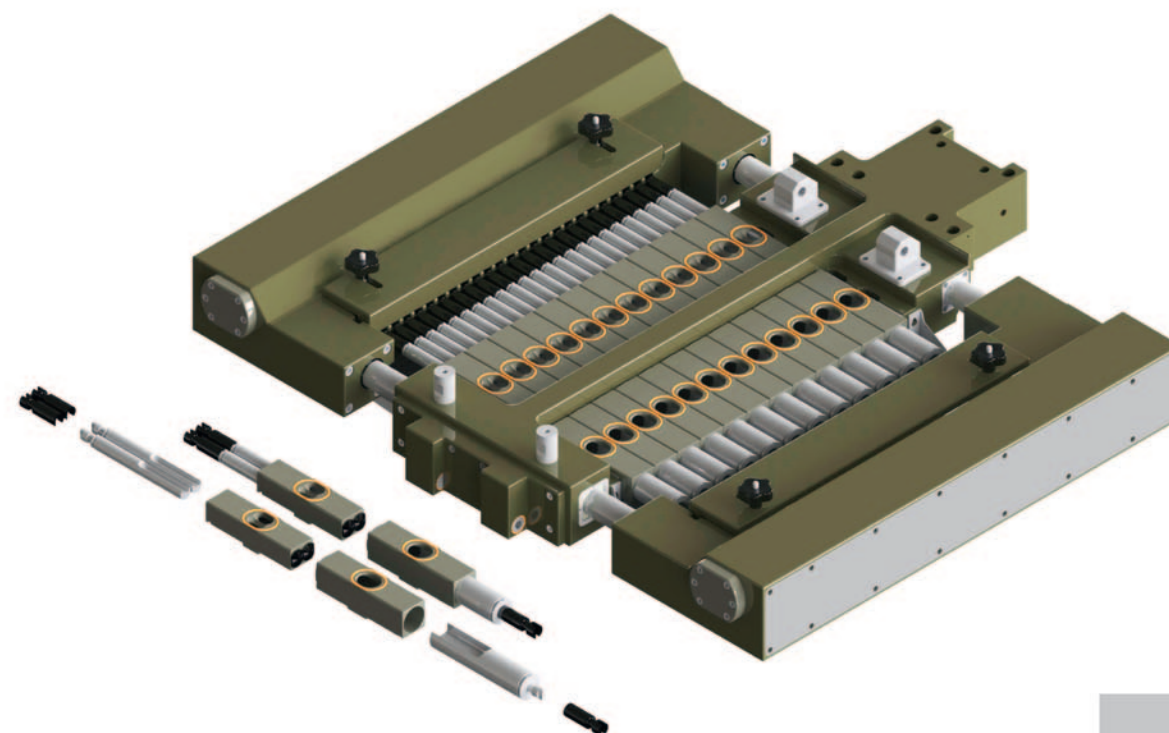
本公司以模块化的理念设计所有的浇注成型线、独立式浇注机、以及其它外围配套设施，以便能分次完成一条完整生产线的扩充或增加产能，甚或在本系统开放式结构中，通过添加所需机器从而改变整条流水线产品范围。每一台单机都是一个智能单位，可以用网络联系在一起，从而形成一套插电即可启动的全新设备。

模盘在不同工序间自由移动，无需借助传动链条定位。冷却是在专利的螺旋冷却塔内进行，不需要任何其他附加装置。这种设计可以在一条流水线上使用多种不同材料的模盘(例如聚碳酸酯模盘、真空成型模盘、和有外套框的成型模盘等)。

We designed all our moulding-lines, stand-alone depositors and devices modular to allow either building a complete line in steps, to upgrade capacities or even to change the entire production ranges by adding needed machinery in the open architecture of our system. All machines are intelligent units and are linked together in a network, allowing plug and play of new equipment.



The moulds travel loose and free of any chain from process-step to process-step. The cooling is done in the patented cooling-spirals free of any attachment. This allows also using different mould-materials in one line (polycarbonate moulds, vacuum-formed blisters, frames, etc.).



设计独特、有专利的旋转式浇注杆，是所有浇注机的核心。浇注机以12位元分辨率控制所有定位，因此浇注泵行程可以达到 0.012 毫米的精度，从而满足即使是 0.01 克浇注重量精度的要求。

本系统更先进的优点是容易清洗及换模快速。没有任何轴心需要拉出，没有机头需要更换。仅要将浇注泵一支一支的取出即可。

我们所有设备及浇注成型线都采用防止滴漏的清洁工艺，目标是减少返工和清洗成本，并提高生产效率。

The unique and patented turning piston system is the heart of each depositor. The 12bit resolution of the positioning system allows an accuracy of 0.012 mm and with that the most precise volume of your deposit. Even when the deposit-volume is 0.01 gr.

Easy cleaning and quick change-overs are further advantages of this system. No shaft must be pulled out nor heads must be replaced - just simply take out cylinder-liner for cylinder-liner.

Our machines and moulding lines are working with a clean process to avoid dripping. Our target is to reduce rework and cleaning costs and increase the efficiency of your production line.

坚果浇注机 - KCM-N

所有工业级KCM系列浇注机均有坚果浇注机机型可选购，以用于整粒坚果以及大颗粒夹心产品的浇注。坚果浇注杆由两部分组成，但只有内部舌片可以旋转。当生产大颗粒夹心如杏仁、榛子、开心果、葡萄干或者脆米等时，可以选用直径为50、60甚至70毫米的浇注杆。分配板通常配备了滑板式阀门，以防止浆料滴漏。



科诺博质量

科诺博公司自1983年以来一直致力于采用最新、最好的科技，为糖果甜食工业开发最先进的机器。作为一个家族企业，我们的首要原则是创造最高质量和高精密度的机器。所有的设备都是我们的瑞士工厂制造和组装。

诚敬地邀请您莅临我们工厂参观，见证科诺博的理念和质量。在我们的实验室里，用您的物料，和我们最先进的设备，一定能为您创造惊喜。

大中华区总代理

GREAT KHAN

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