KCM
计量式色母机

VOLUMETRIC DOSER



单色配置 / Single-color configuration

规格参数
TECHNICAL SPECIFICATIONS

KCM-12 / 16 / 20 / 30 / D / 4

项目 / Item	KCM-12	KCM-16	KCM-20	KCM-30	KCM-D	KCM-4
机型 Machine type	Single Color	Single Color	Single Color	Single Color	Dual Color	Four Color
马达功率 Motor power (kW)	0.06	0.06	0.06	0.06	0.06 × 2	0.06 × 2
螺杆外径 Screw diameter (mm)	12	16	20	30	**	**
输出量 Output (kg/h)	0.1–10	0.5–30	3–60	8–110	*	*
料斗容积 Hopper volume (L)	10	10	10	10	10	10
减速比 Reduction ratio	38:1	38:1	38:1	38:1	38:1 / 38:1	38:1
外形尺寸（mm） L × W × H	335 610 520	335 610 520	335 610 520	335 610 520	410 1045 520	1125 1125 736

* 输出量取决于选配机型； ** 螺杆外径取决于选型。
加装搅拌器后缀 MS；选配 30 mm 螺杆后缀 L。搅拌器和重型底座为选配。
测试基准：堆积密度 1.2 kg/L、粒径 2–3 mm 色母颗粒，连续运行。
电源：单相， 230 VAC ， 50 Hz 。

* Output depends on the selected configuration. ** Screw diameter depends on selection.
Add MS for an agitator and L for a 30 mm screw. The agitator and heavy-duty base are optional.
Output is measured during continuous operation with 1.2 kg/L masterbatch pellets, 2–3 mm in diameter.
Power supply: single-phase, 230 VAC, 50 Hz.

计量混合系列

MIXING AND DOSING SERIES

KCM 产品特点 / KEY FEATURES

01 螺杆经镀铬处理，经久耐用。

02 模组式装配结构，拆装方便，易于清理及互换。

03 单色机标准底座配料斗磁铁，降低金属异物损伤成型机螺杆的风险。

04 主料斗为双色机标准配备，单色机可选配。

05 可接收外部信号，适配注塑机、挤出机及压延设备。

06 保存当前运转模式，断电后设定不丢失，复电后可恢复运行。

07 强制清料功能便于更换色母料。

08 采用 WEG 直流无刷马达，减少日常维护。

09 可永久存储 50 组参数数据。

01 A chrome-plated screw provides durability.

02 Modular construction allows easy disassembly, cleaning and component replacement.

03 The standard single-color base includes a hopper magnet to help protect the processing-machine screw from metal contamination.

04 A main hopper is standard on dual-color units and optional on single-color units.

05 External signal inputs suit injection molding, extrusion and calendering equipment.

06 The current operating mode is retained during power loss, allowing operation to resume after power is restored.

07 A forced-purge function simplifies masterbatch changes.

08 A WEG brushless DC motor reduces routine maintenance.

09 Permanent memory stores up to 50 parameter sets.



双色配置 / Dual-color configuration



KGB
称重式混料机

GRAVIMETRIC BLENDER



参考画册产品外观 / Reference product view

按重量进行计量与混合，多组分配置可选。
Gravimetric dosing and mixing with multiple component configurations.

规格参数
TECHNICAL SPECIFICATIONS

KGB-40 – KGB-3000

型号 Model	组分数量 Components	最大批次容量 Batch capacity (kg)	搅拌电机功率 Mixing motor (kW)	最大产量 Max. output (kg/h)
KGB-40	4	1	—	40
KGB-200	4	3	0.25	200
KGB-600	6	8	0.25	400
KGB-600	4	8	0.25	600
KGB-1200	6	12	0.55	900
KGB-1200	4	12	0.55	1200
KGB-2000	8	18	0.55	1200
KGB-2000	6	18	0.55	1600
KGB-2000	4	18	0.55	2000
KGB-3000	8	40	0.75	2000
KGB-3000	6	40	0.75	2500
KGB-3000	4	40	0.75	3000

KGB 计量阀选型与测试说明
DOSING VALVE SELECTION AND TEST CONDITIONS

计量阀 / Valve	添加比例 Dosing ratio	适用原料 / Materials	最大颗粒尺寸（mm） Maximum particle size
主计量阀 Main valve	⩾5%	均匀颗粒原料或均匀颗粒回收料 Uniform virgin pellets or uniform regrind	6 × 6 × 6
次计量阀 Secondary valve	0.5%–5%	均匀颗粒色母料或添加剂 Uniform masterbatch pellets or additives	4 × 4 × 4
微量计量阀 Micro-dosing valve	0.2%–0.5%	均匀颗粒色母料或添加剂 Uniform masterbatch pellets or additives	4 × 4 × 4
特材计量阀 Special-material valve	—	片料或不规则粉碎料 Flakes or irregular regrind	12 × 12 × 12

测试基准

最大产量按堆积密度 0.8 kg/L 、粒径 3–4 mm 的均匀颗粒原料，
以连续运行方式测得。数值会随原料特性变化。

Maximum output is measured in continuous operation using uniform pellets with a bulk density of 0.8 kg/L and a diameter of 3–4 mm. Results vary with material characteristics.

精度与配置

配比误差为设定百分比与实际百分比之差。
微量计量精度可控制在 ±0.1% 。
附赠一组次计量阀；搅拌电机采用三相电源。

Ratio error is the difference between the set and actual percentages. Micro-dosing accuracy can be controlled to ±0.1%. One secondary valve set is supplied; the mixing motor uses three-phase power.

KGB · 标准配置
称重式混料机 · 标准配置

GRAVIMETRIC BLENDER · STANDARD FEATURES

中文特点

01 重力计量并均匀混合，微量计量精度可控制在 ±0.1% 。

02 自动重复校准，每次称重后校对程序，以保持配料精度。

03 可存储最多 100 组配方。

04 具备报警历史记录功能。

05 600 及以下机型为机台安装型； 1200 及以上为脚架安装型，配脚架、储料桶及气动卸料阀。

06 各机型标配一套次下料阀，用于 0.5%–5% 组分比例的计量。

07 具备以太网通讯功能，可与成型机联网，实现集中控制。

08 具备自动吸料控制功能。

FEATURES

01 Gravimetric dosing and uniform mixing deliver micro-dosing accuracy of up to ±0.1%.

02 Automatic recalibration after each weighing cycle helps maintain dosing accuracy.

03 Stores up to 100 recipes.

04 Alarm history supports troubleshooting.

05 Sizes 600 and below mount on the processing machine. Sizes 1200 and above mount on a frame and include a frame, storage bin and pneumatic discharge valve.

06 Each model includes a secondary dosing valve for component ratios of 0.5%–5%.

07 Ethernet communication enables networking with processing machines for centralized control.

08 Automatic material-loading control is provided.

KVM
立式拌料机

VERTICAL MIXER



适用于塑料原料与色母料的批次混合。
容量、功率及外形尺寸按型号列示。

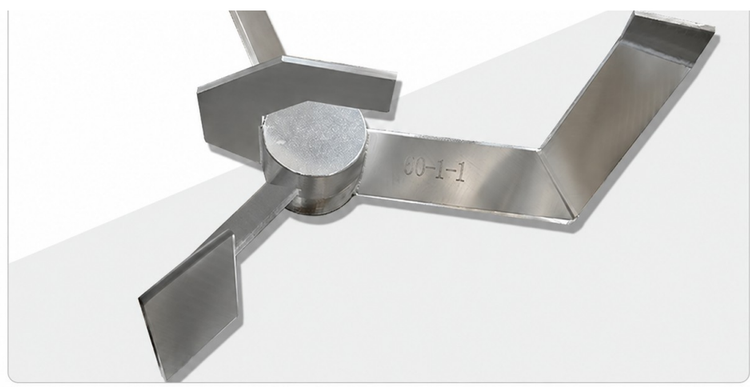
Batch mixing of plastic materials and masterbatch. Capacity, motor power and dimensions are listed by model.

规格参数
TECHNICAL SPECIFICATIONS

KVM-25KG – KVM-300KG

项目 / Item	KVM-25KG	KVM-50KG	KVM-100KG	KVM-150KG	KVM-200KG	KVM-300KG
马达功率 Motor power (kW)	1.1	1.5	3	4	7.5	7.5
料桶容量 Tank capacity (kg)	25	50	100	150	200	300
外形尺寸（mm） L × W × H	935 830 920	965 860 1085	1150 1070 1115	1150 1070 1245	1280 1180 1610	1280 1180 1730
净重 Net weight (kg)	90	120	170	250	340	385

搅拌桨叶细节
Mixing blade detail



计量混合系列

MIXING AND DOSING SERIES

KVM-U

大型立式搅拌机

LARGE VERTICAL MIXER



立式结构用于较大批量原料的混合。
料桶容积按 L 标注，外形仅作系列示意。

Vertical construction for larger batches of material. Tank volume is specified in litres; the image illustrates the series appearance.

规格参数

TECHNICAL SPECIFICATIONS

KVM-160U – KVM-10000U

项目 / Item	KVM-160U	KVM-300U	KVM-1000U	KVM-2000U	KVM-3000U	KVM-4000U	KVM-6000U	KVM-10000U
马达功率 Motor power (kW)	1.1	1.1	4	5.5	5.5	5.5	7.5	11
料桶容积 Tank capacity (L)	160	300	1000	2000	3000	4000	6000	10000
外形尺寸 (mm) L × W × H	955 950 1620	1050 1050 1700	1200 1200 2600	1550 1550 2850	1680 1680 3200	1880 1880 3200	2050 2050 3800	2350 2360 4300
净重 Net weight (kg)	150	200	455	750	890	1000	1270	1700

最大噪音： 70 dB(A) 。
电源：三相， 380 VAC ， 50 Hz 。

Maximum noise level: 70 dB(A).
Power supply: three-phase, 380 VAC, 50 Hz.

KVM-U • 产品特点

大型立式搅拌机

LARGE VERTICAL MIXER

中文特点

01 垂直安装螺旋杆，使原料充分均匀混合。

02 桶盖、减速马达及螺杆等顶部组件可拆卸，便于清理。

03 采用边上料边混合的方式，节约操作时间。

04 自动停止装置可设定 0–300 小时定时停机。

05 配置主电源开关及安全联锁保护装置，保护操作者与设备。

06 用于塑料原料、色母料及回收料等颗粒物的混合。

07 不适用于塑料粉末、食品、化学药品、易燃易爆或挥发性物品。

08 当塑料切片尺寸不均或形态不同时，需考虑原料堆积密度对使用容量的影响。

FEATURES

01 A vertically mounted screw promotes thorough, uniform mixing.

02 The lid, geared motor and screw assembly can be removed from the top for convenient cleaning.

03 Material can be loaded while mixing, reducing handling time.

04 An automatic stop timer can be set from 0 to 300 hours.

05 A main power switch and safety interlocks help protect the operator and equipment.

06 Designed for mixing plastic pellets, masterbatch and regrind.

07 Not intended for plastic powders, food, pharmaceuticals, or flammable, explosive or volatile materials.

08 For uneven flakes or other material forms, account for bulk density when assessing usable capacity.

MST
储料箱

MATERIAL STORAGE BIN



储料箱
Storage bin



配套吸料配置
Autoloader configuration

储料箱用于存放塑料颗粒，
可按需求与吸料设备配套使用。

The bin stores plastic pellets and can be paired with material-loading equipment as required.

规格参数

TECHNICAL SPECIFICATIONS

MST-50 / 100 / 200 / 300

型号 Model	吸料管径 Suction pipe (mm)	容量 Capacity (kg)	外形尺寸 (cm) L × W × H
MST-50	38	50	50 × 50 × 90
MST-100	38	100	60 × 60 × 100
MST-200	38	200	75 × 75 × 115
MST-300	38	300	90 × 90 × 120

结构特点

不锈钢结构，易于清洗、减少锈蚀，设有观察窗口。
底部吸料盒便于吸料、卸料及连接输送系统。
脚轮便于移动，制动扣便于定点摆放。
可按需求定制不同规格尺寸。

Stainless steel construction is easy to clean and resists corrosion, with a viewing window. A bottom suction box supports loading, unloading and connection to the conveying system. Casters allow easy movement, while wheel brakes secure the bin in place. Custom sizes are available.

计量混合系列

MIXING AND DOSING SERIES

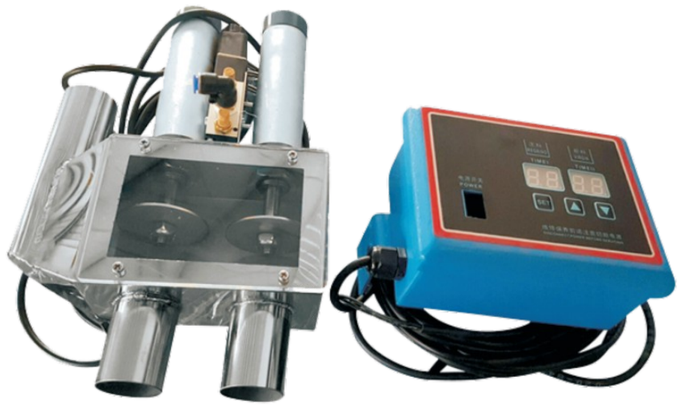
SPV

两料比例阀

TWO-MATERIAL PROPORTIONING VALVE

SPV 系列两料比例阀可按设定比例输送新料与粉碎料，实现比例混合输送。可直接安装于吸料机或管路上，配合机边粉碎机即时回收利用粉碎料，降低用料成本。

The SPV series blends and conveys virgin material and regrind at a preset ratio. It mounts directly on a hopper loader or conveying line and works with a beside-the-press granulator to reuse regrind immediately, helping reduce material costs.



阀体设计使输送顺畅，外形美观，安装与操作简便。
电磁阀与气缸运行稳定，确保混料比例准确。
微电脑控制新料与次料配比，便于粉碎料即时回收。

The valve body promotes smooth material flow, with a compact design for easy installation and operation. Stable solenoid-valve and cylinder performance ensures accurate proportioning. Microcomputer control precisely regulates the virgin-to-regrind ratio for immediate material reuse.

SC-200W-2500L

输送带

BELT CONVEYOR



结构特点 / Key features

A6063 高强度铝合金框架，结构坚固，不易变形。
两侧高度可调，手轮调节方便。
四个脚轮便于移动，支撑脚可折叠收纳。
皮带运行速度可调，便于配合不同输送需求。
配备标准接口，可快速连接机械手。

Rigid A6063 aluminium-alloy frame resists deformation.
Handwheels make height adjustment easy on both sides.
Four casters allow easy movement. Support legs fold away for storage.
Adjustable belt speed suits different conveying needs.
A standard interface enables quick connection to a robot.