

TSM系列色母机 TSM Series Screw Dosers

TSM

适用于新、次料、色母或添加剂等的自动比例混合。依据预先设定的比例混合，透过微电脑控制系统设定的条件自动演算出所需之转速(rpm)，计量精准，其误差值 $\pm 0.1\%$ 。该产品具备两种模式，分别适用于塑胶的注塑成型和挤出成型。螺杆直径分为16、20、25等多种，采用进口直流无刷马达，可演变出多种机型，提供0.1~200kgs/hr的不同输出量供客户选择。另有双色色母机，根据客户需求搭配，满足不同场合、不同领域使用。

Screw Dosers are extensively used for precise auto-proportional dosing & blending of virgin, regrind materials, masterbatch and other various additives. The microprocessor accurately controls rate of revolution of a motor for high precise metering with an accuracy of $\pm 0.1\%$ from set points. This series can be used on the differential applications with injection molding machines and extruders. A brushless DC motor is used for this series. The dosing screws are offered with various size: 16, 20 and 25 for developing diverse models with throughputs from 0.1~200kgs/hr. TOPSTAR developed double-color screw dosers according to customers' various demands which can be satisfied with diverse applications.



● 特点 Features

- 数位显示的微电脑控制器，可精确地计量色母及次料的添加比例。
- 采用直流无刷式马达，无需保养、寿命长、免维护。
- 模块化可拆卸式设计，可快速更换螺杆及套筒。
- 计量站可以从落料座拆除而不会漏料，在转接座侧边可视窗装置，容易观察原料。
- 具有50组配方存取功能，可快速调用启动机器。
- 入料底座采主要原料与色母分流设计，短时间内可迅速转换色母及主要原料，符合经济效益。
- 配合射出成型机使用时，色母自动计量机可设定计量时间的控制设计，可免除射出机因每模储料时间长短不一，而造成色母添加量不稳定之困扰。
- 有强制清料功能，方便更换色母。
- 可选配物料料位检测感测器，缺料报警提示。
- 可于挤出机主螺杆同步加、减速运行。

- Digital microprocessor can process masterbatch & regrind material by metering accurate percentage.
- Using brushless DC motor features free from maintenance and long service life.
- Module dismantled design, easy for change screw and sleeve.
- The dosing unit is removed from discharging seat without material leakage, monitoring material level from the sight - see - through window on the side of transferred seat.
- 50 sets of parameter recipes are available for permanently recording and reading function, operating machines quickly without adjusting parameters again.
- Feeding base adopt different channels for material & masterbatch separately, easy change material & masterbatch within short time.
- Screw dosers can set metering time to avoid annoyance for unstable materbatch volume while working with injection molding machine because of different time for every cycle of metering.
- Forced material cleaning function is convenient to change masterbatch.
- Material level detection sensor is available as option, alarm for material shortage.
- It can operate with main screw of extruders, acceleration and deceleration simultaneously.

● 规格表 Specification Sheet

产品型号 MODEL		单色色母机 SINGLE COLOR DOSERS						双色色母机 DOUBLE COLOR DOSERS		
		TSM-3025	TSM-3020	TSM-3016	TSM-5025	TSM-5020	TSM-5016	TSM30xx-30xx	TSM30xx-50xx	TSM50xx-50xx
	W	50						50 × 2		
马达转速 Motor Speed	RPM	3000								
搅拌功率 Dosing Capacity	W	90								
螺杆直径 Screw Dia.		25	20	16	25	20	16	xx	xx	xx
输出量 Output Capacity	kg/h	1.1-38	0.6-20	0.1-10	0.5-17	0.2-8	0.1-4	x	x	x
储料斗 Tank	L	10						12X2		
减速比 Gear Ratio		30	30	30	50	50	50	30/30	30/50	50/50
外形尺寸 Dimensions	H M	0.52	0.52	0.52	0.52	0.52	0.52	0.615	0.615	0.615
	W M	0.61	0.61	0.61	0.61	0.61	0.61	1.045	1.045	1.045
	D M	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335	0.335
重量 Weight	KG	15	15	15	15	15	15	33	33	33

注：产品规格若有变更，恕不另行通知 We reserve right to change specifications without prior notice

- 以上输出量是以比重为1.2、直径为2-3mm的塑料粒子以连续运转的方式测得的数据，仅供参考。
- XX表示螺杆直径可按客户要求定做。
- X表示输出量由客户选择的型号而定，单色机的输出量数据仅供参考。

- All the output capacity from above models is base on the data from density 1.2, Dia. 2-3mm master batch in test criteria of continuous running.
- XX stands for the external dia. of the screw is up to clients model choice.
- X means output capacity is depended on model that client select, data of single color doser can be a reference.