

Dongguan Weigu Technology Co., Ltd.

product manual

Dongguan Weigu Technology Co., Ltd. is located in Changping Town, Dongguan City, Guangdong Province.

Founded in May 2020, with a registered capital of RMB 2 million, we are an integrated modern high-tech enterprise encompassing R&D, production and sales. We are dedicated to developing peripheral equipment and automation products for injection molding machines. The company has experienced mechanical design engineers and automation control engineers, providing the industry with optimal solutions and technical support. We uphold our “customer-first” service principle: Technological Innovation, Building a First-Class Brand.”

Model		Single-Color					Three-Color
		WCM-12	WCM-16	WCM-20	WCM-25	WCM-30	WCM-3
Motor Power (kw)		0.06	0.06	0.06	0.06	0.06	0.06*3
Mixer Power (kw)		0.04	0.04	0.04	0.04	0.04	0.04
Screw Outer Diameter (mm)		12	16	20	25	30	Same as Single
Output (kg/hr)		0.1-3.0	0.3-10	0.4-20	0.8-38	2-50	Same as Single
Storage Hopper (L)		12	12	12	12	12	12
Main Material Hopper (L)		Optional	Optional	Optional	Optional	Optional	Optional
Mixer		Optional	Optional	Optional	Optional	Optional	Optional
Heavy-Duty Base		Optional	Optional	Optional	Optional	Optional	Optional
Dimensions	L(mm)	500	500	500	500	500	1000
	W(mm)	300	300	300	300	300	500
	H(mm)	560	560	560	560	560	560
Net Weight (kg)		22	22	22	22	22	60

Metering Masterbatch Dosing Mixer

Specification Table/ SPECIFICATION TABLE



model	Two-Color	Three-Color
	WCM-12	WCM-16
Motor Power (kw)	0.06*2	0.06*3
Mixer Power (kw)	0.04	0.04
Screw Outer Diameter (mm)	Same as Single	Same as Single
Output (kg/hr)	Same as Single	Same as Single
Storage Hopper (L)	12	12
Main Material Hopper (L)	Optional	Optional
Mixer	Optional	Optional

Volumetric Two/Three Color Masterbatch Mixer



Heavy-Duty Base		Optional	Optional
Dimensions	L(mm)	1000	1000
	W(mm)	300	500
	H(mm)	560	560
Net Weight(kg)		38	60

model		two-color					Three- Color
		VCM-12	VCM-16	VCM-20	VCM-25	VCM-30	VCM-3
Motor Power (kw)		0.06*2	0.06*2	0.06*2	0.06*2	0.06*2	0.06*3
Screw Outer Diameter (mm)		12	16	20	25	30	Same as Dual
Output (kg/hr)		0.1-3.0	0.3-10	0.4-20	0.8-50	0.8-50	Same as Dual
Storage Hopper (L)		20	20	20	20	20	20
Dimensions	L(mm)	750	750	750	750	750	750
	W(mm)	500	500	500	500	500	750
	H(mm)	820	820	820	820	820	820
Net Weight (kg)		25	25	25	25	25	25



Volumetric Color Masterbatch Mixer(VCM Series)

model	SGB-40	SGB-jh200	SGB-600	SGB-1200	SGB-2000	SGB-3000
L(mm)	1110	1300	1445	2398	2800	3375
W(mm)	770	810	905	940	1110	1695
H(mm)	675	735	785	1023	1180	1695
Max Batch Size	1	3	8	12	18	40
Max Output (kg/h)	40	200	600	1200	2000	3000
Hopper Volume (L)	20L	30L	50L	80L	100L	150L
Storage Tank Volume (L)	60L	60L	80L	120L	150L	150L
Power Supply (V/HZ)	220V/50H/1P			380V/50H/3P		
Total Power (Kw)	0.3	0.3	0.4	1.8	2.2	2.2

Gravimetric Batch Blender



Compressed Air(MPa)	0.4~0.6					
Base (L*W*H*φD*R)	220*220 *243.5* 160*6.5	250*250* 23*200*6	280*280* 250*220*6	*	*	*
Mobile Stand (L1*L2*W*H)	713*50* 654*600	880*50* 724*800	885*60* 814*800	900*60*9 30*930	1000*65* 1060*1000	1075*70* 1240*1240
Net Weight (kg)	115	135	160	*	*	*

model	T20	T38
L(mm)	365	1000
W(mm)	200	650
H(mm)	450	1000
Net Weight(kg)	35	60
MaxOutput (L/h)	0.5-10	40-600

Volumetric Twin-Screw Feeder



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Injection Molding Color Powder Mixer

	name	model	brand
1	Dual-Axis Cylinder	TN-10*10s	Airtac
2	Rotary Cylinder	HRQ3	Airtac
3	Dual-Axis Cylinder	TN-25*35s	Airtac
4	Mixing Motor	5IK90W-C2F-GU- XG	
5	Touch Screen HMI	7-Inch Color	Gumei
6	Power Supply	LRS100-24	Mean Well
7	Solenoid Valve	4v201-08	Airtac
8	Air Treatment Unit	AC2020-02	Airtac



Main Technical Parameters

Mixing Capacity	Plastic Pellets ≤70KG/H
Mixing Speed	150R/min
Power Supply &	220V,300W
Air Consumption	0.6Mp a
Machine Weight	95KG
Dimensions	517*351*780

European-Style Hopper Dryer

	Heating element for dryer (kw)	Air - blower (kw)	Hopper volume (L)	Overall dimension (H × W × D)	Stand frame dimension (H1 × W1 × D1)	Total height with stand 度 (mm) H	Distance from discharge outlet to ground 高度 (mm)	Air - inlet pipe (inch)	Air - outlet pipe (inch)
ZHD-20L	2	0.14	20	730 × 600 × 600	600 × 450 × 450	1100	380	2	1.5
ZHD-40L	3	0.14	40	760 × 700 × 650	600 × 530 × 480	1150	380	2	2
ZHD-80L	4	0.18	80	960 × 800 × 680	700 × 600 × 530	1350	400	2	2
ZHD- 120L	4	0.18	120	1210 × 800 × 680	700 × 600 × 530	1600	400	2	2
ZHD- 160L	6	0.2	160	1250 × 900 × 750	830 × 680 × 680	1650	450	3	2
ZHD- 220L	6	0.2	230	1500 × 900 × 750	830 × 680 × 680	1950	450	3	2
ZHD- 300L	12	0.35	300	1520 × 1200 × 850	930 × 860 × 830	2050	530	3	2.5
ZHD- 420L	12	0.35	420	1750 × 1200 × 850	930 × 860 × 830	2250	530	3	2.5
ZHD- 550L	18	0.45	550	1650 × 1400 × 1050	1000 × 1000 × 1000	2100	450	4	3
ZHD- 700L	18	0.45	700	1900 × 1400 × 1050	1000 × 1000 × 1000	2350	450	4	3
ZHD- 850L	18	1.03	850	2150 × 1400 × 1050	1000 × 1000 × 1000	2600	450	4	3
ZHD- 1200L	24	1.1	1200	3200 × 1450 × 1150	—	3200	560	4	4
ZHD- 1500L	24	1.5	1500	3500 × 1450 × 1150	—	3500	560	4	4
ZHD-2000L	32	2.2	2000	3500 × 1700 × 1350	—	3500	560	5	5
ZHD- 2500L	58	3.7	2500	3500 × 1850 × 1500	—	3500	560	6	6

ZHD- 3000L	58	3.7	3000	3850 × 1850 × 1500	–	3850	560	6	6
ZHD- 4000L	64	7.5	4000	3850 × 2000 × 1700	–	3850	560	6	6
ZHD- 5000L	80	7.5	5000	4350 × 2000 × 1700	–	4350	560	6	6
ZHD- 6000L	96	11	6000	4350 × 2200 × 1900	–	4350	530	8	8
ZHD- 7000L	112	15	7000	4800 × 2200 × 1900	–	4800	530	8	8
ZHD- 8000L	128	18.5	8000	5200 × 2200 × 1900	–	5200	530	8	8
ZHD- 10000L	144	22	10000	5200 × 2300 × 2100	–	5200	500	10	10
ZHD- 12000L	176	25	12000	5500 × 2300 × 2100	–	5500	500	10	10



Volumetric Proportional Mixer

model	160u	320u	720u	1200u
Motor Power (kw)	60*60	60*60	90*90	90*90
Mixer Power (kw)	90	90	90	90
Screw Outer Diameter (mm)	60	60	70	70
Output (kg/hr)	480-850	480-850	800-1450	800-1450
Storage Hopper (L)	80	160	360	600
Suction Pipe Diameter	1.5-2.5	1.5-2.5	1.5-2.5	1.5-2.5
Outer Dimensions	700*700*1350	8 00*800*1430	1000*1000*1500	1200*1200*1700
Suction Loader	Optional	Optional	Optional	Optional



Blown Film Gravimetric Masterbatch Feeder

model	output range	installation power	gas consumption	weight	physical dimensions		
WGSMastRr	50~300kg/h	0.1Kw	2Lmin	115kg	569	673	987
M;SMastRr	100~600kg/h	0.1Kw	2Lmin	115kg	569	673	987
WGSMastRr	150~1500kg/h	0.1Kw	2Lmin	115kg	569	673	987



Mold Temperature Controller Series

Oil Type MTC		Water Type MTC	
automatic air venting system	Alarm Buzzer	automatic water makeup system	Alarm Buzzer
Main Power non-fuse circuit breaker	Pressure Relief Circuit	pressure overload automatic relief	Pressure Relief Circuit
pump reverse rotation protection with indicator lamp	over heart protection with indicator lamp	pump reverse rotation protection with indicator lamp	over heart protection with indicator lamp
pump overload protection with indicator lamp	low oil level protection with indicator lamp	pump overload protection with indicator lamp	low oil level protection with indicator lamp

SPECIFICATION TABLE

model	heat transfer medium	maximum temperature	pumping power	pump flow rate	electrical heating power	size	weight
YD-6KW	water	100℃	0.37	42	6	86*26*62	45
YD-9KW	water	100℃	0.37	42	9	86*26*62	45
YD-12KW	water	100℃	0.75	56	12	86*26*62	45

YD-6KW	oil	200℃	0.37	42	6	86*26*62	48
YD-9KW	oil	200℃	0.37	42	9	86*26*62	48
YD-12KW	oil	200℃	0.75	56	12	86*26*62	48



powerful Granulator

Fully enclosed silent design, noise ≤80dB beyond 1m, dust-proof. Stainless steel storage bin easy to clean, suction type bin optional.

Multiple safety protections: motor overload, phase sequence, overheat with indicator lamp, emergency stop and power isolation switch.

Built-in silent heat dissipation system discharges motor heat to extend service life. Movable stainless steel hopper for easy operation.

Model	crushing chamber opening (mm)	rotational capabilities (mm)	crushing capacity (kg/H)	cutting blade (PCS)	stationary blade (PCS)	power (KW/HP)	size (mm)	weight (kg)
YD180	180*150	ϕ 150	100-150	9	2	2.2/3	720*460*940	150
YD250	250*220	ϕ 216	130-200	6	2	4/5.5	900*680*1060	295
YD300	320*240	ϕ 220	220-300	9	2	5.5/7.5	1020*760*1160	330
YD400	420*275	ϕ 250	350-500	12	2	7.5/10	1140*900*1310	430
YD500	520*300	ϕ 260	450-600	15	2	11/15	1260*1060*1450	590
YD600	620*340	ϕ 300	600-800	18	4	15/20	1500*1160*1685	790
YD700	720*340	ϕ 300	800-900	21	4	15/20	1600*1260*1685	830
YD800	800*500	ϕ 400	800-1000	24	4	22/30	2150*1480*2210	1780
YD900	900*550	ϕ 400	1000-1200	27	4	22/30	2150*1580*2210	1890
YD900B	900*550	ϕ 400	1000-1200	27	4	30/40	2150*1580*2210	1890
YD1000	1020*610	ϕ 500	1200-1500	30	4	37/50	2350*1760*2580	1950



Low-Speed Silent Beside-Machine Granulator

Features

This series is designed for beside- machine granulation of hard and brittle materials. Ultra-slow rotor speed and screen-free operation deliver low noise and low dust even for solid/brittle materials. Suitable for injection-molded electronics, auto parts, cosmetics, etc.

(ABS,PC,PMMAABS,PC,PMMA hard plastics) for inlinegranulation and recycling

Matched Recovery System

Fan + Recovery System, Proportional Valve ×2, Stainless Steel Funnel

model	YDDS-420s	YDDS-510	YDDS-600	YDDS-720
Motor Brand	Dongben Motor	Yong kun	Dongben Motor	Dongben Motor
Motor	3.7KW	3.7KW	3.7KW/50- shaft	3.7KW/50- shaft
Electrical Control	Guangzhou Bangpu	Guangzhou Bangpu	Guangzhou Bangpu	Guangzhou Bangpu
Blade Material	SKD-11	SKD-11	SKD-11	SKD-11
Fan motor	0.75KW	0.75KW	0.75KW	0.75KW
Fixed Blades	2 pcs	2 pcs	4 pcs	4 pcs
Rotating Blades	14 pcs	17 pcs	20 pcs	24 pcs
Rotating active blade	42 pcs	51 pcs	0 pcs	72 pcs
Rotation Speed	150 RPM	150 RPM	150 RPM	150 RPM
crushed pellets	5mm-8mm	5mm-8mm	5mm-8mm	5mm-8mm
Cutting Chamber(L × W)	420*400	510*400	600*400	720*400

Feed Opening (L × W × H)(mm)	790*670*100	790*680*100	600*360	570*700
Machine Dimensions (L × W × H)(mm)	1300*670*1580	1400*600*1570	1550*900*1500	1700*1200*1600
Granulation Capacity	75-200(kg/h)	75-200(kg/h)	75-280(kg/h)	75-280(kg/h)
Machine Weight	480kg	480kg	480kg	480kg

Granulation System

model	YD-240	YD-310	YD-420A	YD-420B
power	1.1KW	1.5KW	2.2KW	3.7KW
fixed blade	6 pcs	6 pcs	8 pcs	8 pcs
rotating blades	2 pcs	2 pcs	3 pcs	3pcs
rotating active blades	2 pcs	3 pcs	4pcs	4 pcs
rotating speed	23 RPM	23 RPM	23 RPM	23 RPM
crushed pellets	5mm- 6mm	5mm- 6mm	5mm- 6mm	5mm- 6mm
Granulation Capacity	15-20(kg/h)	20-25(kg/h)	25-30(kg/h)	30-35(kg/h)
Feed Opening size (L × W)	315*248mm	315*315mm	410*315mm	410*380mm
Machine Dimensions (L × W × H)	900*450*1200	1100*500*1480	1200*500*1560	1200*550*1560
Machine Weight	205kg	275kg	315kg	350kg

Low-speed silent Recycling machines



feature	recycling system
automatic recycling, no dust generated during shredding,made of SDK-11 material	quipped with a fan Recycling system, two proportional valves, stainless steel hopper.

Dehumidifying and Drying machines

model	50	80	120	150	200	300	400	500	700	1000	1500	2000	3000
Power Supply	3 ϕ 380V,50HZ												
Airflow (m³/h)	50	80	120	150	200	300	400	500	700	1000	1500	2000	3000
Drying Heating Power (KW)	3	7	7	10	10	15	15	15	24	32	58	80	96
Dehumidifying Fan(KW)	0.4	0.75	1.5	1.5	1.5	2.2	4	5.5	7.5	9	7.5*2	9*2	13*3
Regeneration Fan (kW)	0.25	0.25	0.4	0.4	0.4	0.75	0.75	1.5	1.5	2.2	4	3.4	7.5
Regeneration Heater (KW)	3	3	7	7	7	7	7	12	12	12	20	20	30
Dehumidifying fan Diameter (inch)	2"	2"	2"	2"	2.5"	3"	3"	4"	5"	5"	6"	8"	8"
Regeneration fan Outlet Diameter (inch)	1.5"	1.5"	1.5"	1.5"	1.5"	2"	2"	2"	2"	2"	2.5"	2.5"	3"
Cooling Water Port Diameter (inch)	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	17"	1.5"	1.57"
W	600	600	650	650	720	750	750	1200	1200	1200	1400	1400	2500

D	880	880	880	880	980	980	980	1380	1380	1380	2180	2180	1600
H	1380	1380	1660	1660	1710	1940	1940	2230	2330	2330	2430	2430	2160
Net Weight (Kg)	80	120	140	215	225	240	280	290	300	400	510	630	760

5 Reasons to Choose Us

Professional R&D, Focused on Enterprise Quality



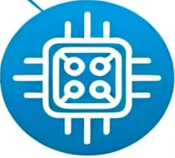
Stable Supply
Dew Point Air
Below -40°C

PID Temperature
Low Power Consumption
High Efficiency



Full Stainless Steel
Feeding System

Smeding System
Timart Fault Alarm



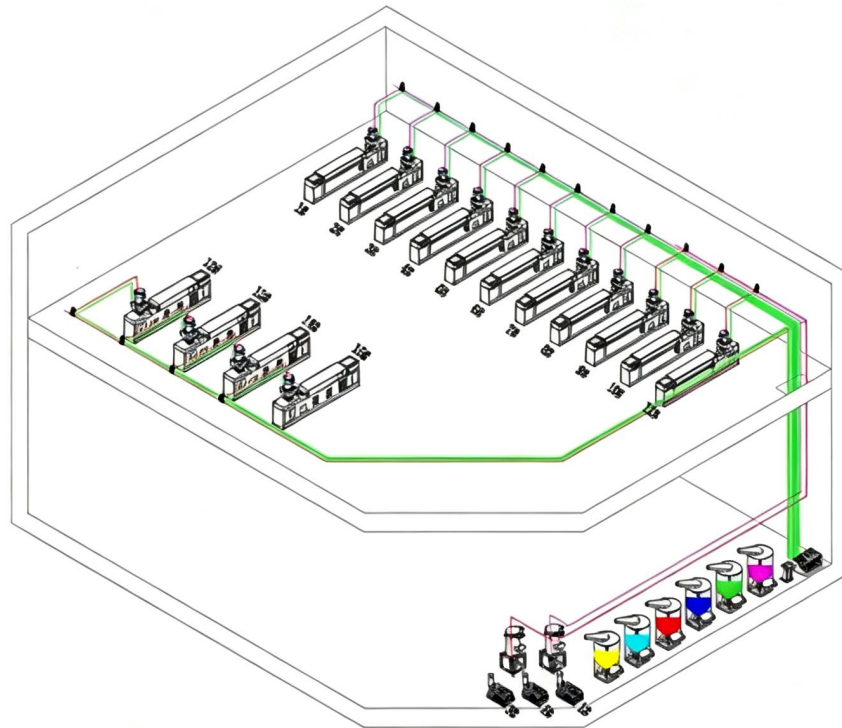
Enterprise-Grade
Grade Brand



Central feeding system.

HOW IT WORKS

Smart Operation, Centralized Management



Cost Reduced by 60%

成本降低60%
效率提升60%



Centralized Control

Easy operation, higher automation level



Centralized Drying & Mixing

Energy and water saving, better working environment



Centralized Feeding

Reduced labor, closed raw material conveying, cleaner workshop, saves about 2-3% raw materials

