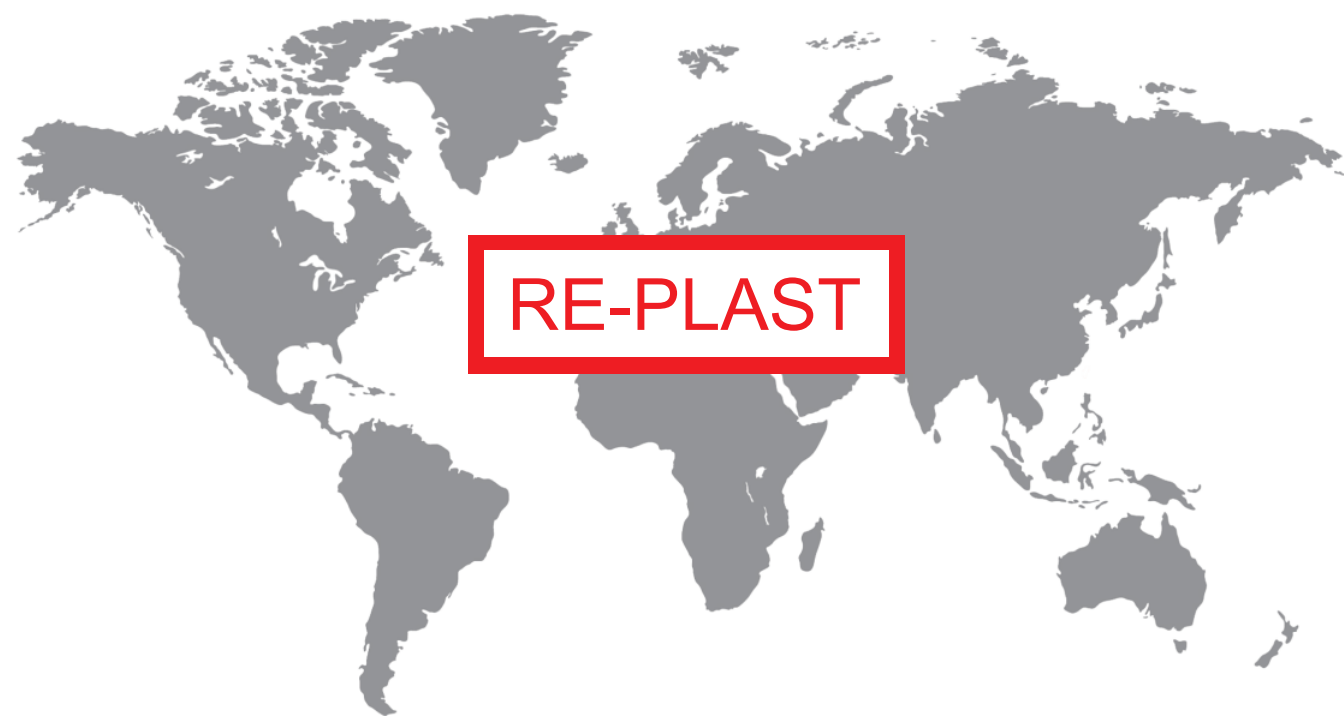




RE-PLAST

• Taipei

• Miaoli

• Taichung

Taiwan Factory
RE-PLAST EXTRUDER CORP.
No.7,Min Yo Rd.,Tung Lou Industrial District.
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TEL:+886-37-982866 FAX:+866-37-982449
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www.replast-extruder.com

RE-PLAST

方春機械有限公司
RE-PLAST EXTRUDER CORP.
www.replast-extruder.com

COMPOUNDING & RECYCLING PELLETIZING EXTRUDER



TAIWAN TECHNOLOGY PROFESSIONAL MANUFACTURER

關於方春

方春機械有限公司專門製造塑膠混料改質、回收造粒設備

本公司擁有各類精密加工設備超過七十台，從開料至設備完成，皆由本公司加工生產

方春機械在台灣已有三十年的歷史，透過歐盟CE及美國UL認證，將設備銷售至世界各地

人性化設計、實用創新，一步一腳印的台灣精神，創造環保、高效率的塑膠造粒設備

ABOUT US

RE-PLAST is a professional manufacturer of compounding and recycling pelletizing extruder.

The company possesses more than 70 units of precision processing equipments. Including different types of CNC machine, such as polishing, lathe and others for full comprehensive manufacturing processes.

RE-PLAST has more than 30-years history and had obtained its CE certification, marketing worldwide.

The company has well-trained professional engineers and staffs that could perform R&D to manufacture humanize features machines. We adopt the Taiwan spirit and concept of one step ahead for continuous innovation of higher efficiency, durable, low cost and environmentally friendly machinery to meet our client's demand.

RE-PLAST EXTRUDER CORP. Taiwan Factory
苗栗縣銅鑼鄉銅鑼工業區民有路7號
No.7 Min Yo Road., Tungloun Industrial District.
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主要採用電器品牌



台灣東元電機
標準系列能源損失率下降10-30%
為全球第一家通過美國能源部授證CC002A



歐力 - 臥龍震動馬達
全球第一的震動設備生產廠商
義大利製造, 符合CE認證



台灣東菱減速機
使用優質的矽鋼片、漆包線、齒輪
加速箱使用高級潤滑脂，終生免保養



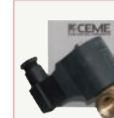
日本三菱斷路器
採用新的分段技術"Expanded ISTAC"
來提高限流、增強整體的分段能力



義大利ARICO溫控表
通用型數字溫控器，雙排4位彩色液晶螢幕
提供高精度，達±0.5%PV或者1℃



施耐德接觸器&斷路器
規格95A，環保低能號線圈
防護等級IP20，符合ROHS、EE、REACH認證



CEME電磁閥
義大利CEME公司創建於1974年
為歐洲最大的二通銅體電磁閥製造商之一



森森漩渦式氣表
離心迴圈式，壓力、風量大，噪音低
磷化處理，靜電噴塗，符合CE、GS認證



歐規皮帶輪
採用獨特的軸套鎖緊設計
提高皮帶、軸承使用壽命及綜合性能



西門子觸控面板
德國品質，通過ESD、RS等專業測試
採用先進的失效、故障分析程式

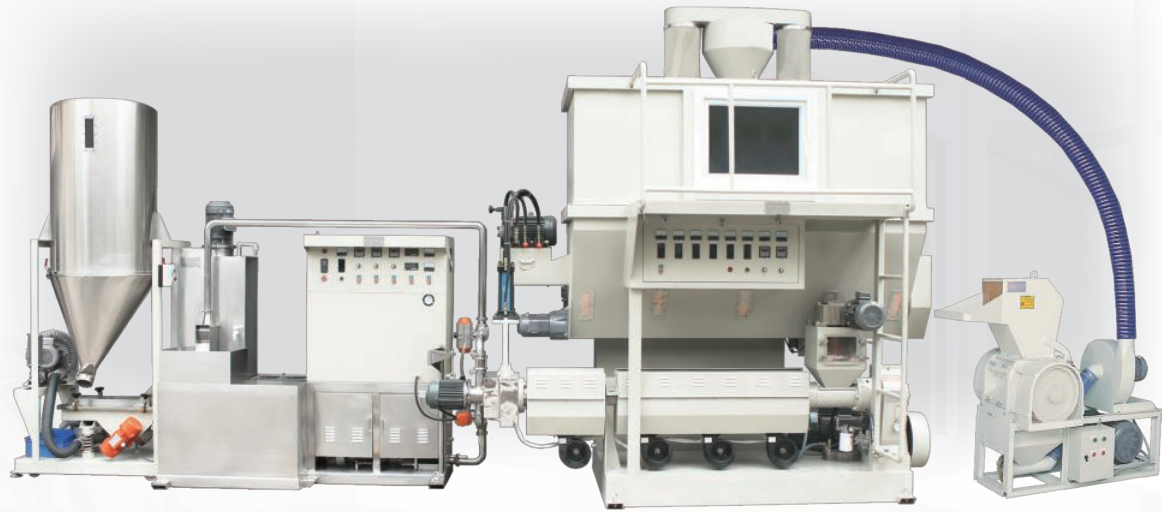
零件加工設備 PROCESSING EQUIPMENT



RFU- 水中切塑膠薄膜廢料回收造粒機

UNDER WATER SINGLE SCREW EXTRUDER FOR FILM AND WOVEN SACKS RECYCLING

Application: For all type of thin flakes and film. Direct die face cutting, cooling, dewatering and pelletizing.



RFX- 兩段式塑膠薄膜廢料回收造粒機

TWO SECTION TYPE SINGLE SCREW EXTRUDER FOR FILM RECYCLING

Application: For recycling of post consumer soft, fluffy, thin recyclable plastics, such as HDPE, LDPE, LLDPE, plastic bag, inflation bag packaging film, PP rafia/woven sack, etc..



技術規格 TECH SPECS

型號-螺桿直徑	Model - Screw diameter	RF-80	RF-120	RFX-120	RFX-150
產量	Output(PC/ABS/LDPE)	100-150kg/hr	300-400kg/hr	300-400kg/hr	400-550kg/hr
主機螺桿長徑比	Main Extruder screw L/D ratio	30 : 1	30 : 1	30 : 1	28 : 1
功率	Extruder power	30kw	90kw	90kw	130kw
模頭形式	Extruder type of die head	選購 selections			
子機螺桿長徑比	Section Extruder screw L/D ratio			8 : 1	10 : 1
功率	Extruder power			22kw	30kw
模頭形式	Extruder type of die head	選購 selections			
冷卻水槽功率	Cooling tank power	1.1kw	1.1kw	1.1kw	1.5kw
切粒機功率	Cutting machine power	3.7kw	7.5kw	7.5kw	7.5kw
粉碎機功率	Crusher	15kw	30kw	30kw	37kw
機械總功率	Machinery's total power	167kw	240kw	240kw	300kw
電源線規格	Electric cable	35mm²	70mm²	70mm²	125mm²
總開關	Main switch	3P 200A	3P 300A	3P 300A	3P 400A
安裝尺寸	Installation size(m)	9.5x1.8x3.4	11.2x5.7x2.2	11.2x5.7x3.5	11.2x6.7x4
機械總重量	Machine weight	2800kg	5100kg	6500kg	7500kg

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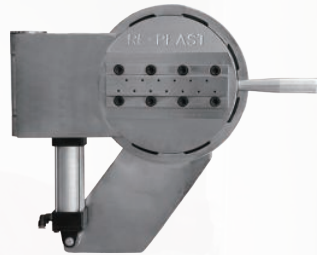
手旋式模頭

Manual Type
easy to : change filter
& clean



氣壓式模頭

Pneumatic Type
easy to : change filter
& clean



單流道模頭

Single Plate Type
stop / filter changing



雙流道模頭

Dual Channel Type
non stop / filter changing
strand type under water type



RBX- 兩段式硬塑膠廢料回收造粒機

TWO SECTION TYPE SINGLE SCREW EXTRUDER

Application: For recycling of post consumer rigid thermoplastic such as ABS, PC+ABS, PC, PP, PE, PS, PBT, PET bottles, crate, sheet and cases.



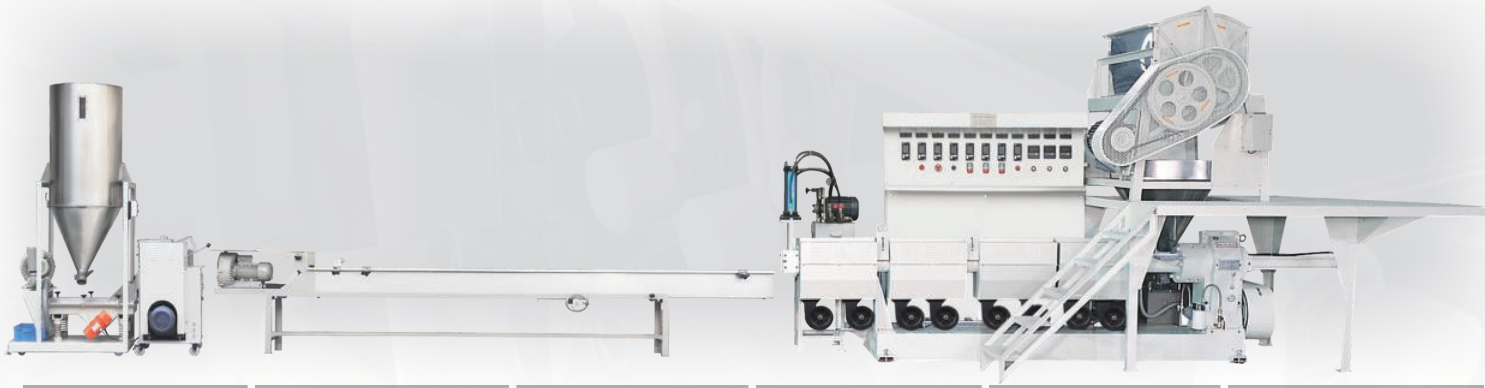
技術規格 TECH SPECS

型號-螺桿直徑	Model - Screw diameter	RB-80	RB-100	RB-120	RBX-100	RBX-120	RBX-150
產量	Output(PC/ABS/LDPE)	100-150kg/hr	250-350kg/hr	350-450kg/hr	250-350kg/hr	350-450kg/hr	500-650kg/hr
主機螺桿長徑比	Main Extruder screw L/D ratio	30 : 1	30 : 1	30 : 1	30 : 1	30 : 1	28 : 1
功率	Extruder power	30kw	55kw	90kw	55kw	90kw	130kw
模頭形式	Extruder type of die head	選購 selections					
子機螺桿長徑比	Section Extruder screw L/D ratio				8 : 1	8 : 1	10 : 1
功率	Extruder power				15kw	22kw	30kw
模頭形式	Extruder type of die head	選購 selections					
冷卻水槽功率	Cooling tank power	0.75kw	1.1kw	1.1kw	0.75kw	1.1kw	1.1kw
切粒機功率	Cutting machine power	3.7kw	7.5kw	7.5kw	7.5kw	7.5kw	7.5kw
粉碎機功率	Crusher				15kw	30kw	37kw
機械總功率	Machinery's total power	50kw	104kw	167kw	130kw	183kw	300kw
電源線規格	Electric cable	25mm²	35mm²	50mm²	50mm²	70mm²	125mm²
總開關	Main switch	3P 200A	3P 300A	3P 300A	3P 300A	3P 300A	3P 300A
安裝尺寸	Installation size(m)	7.2x2.2x18	12x2.5x1.9	14x3x2.2	0.2x4.7x2.2	1.2x5.7x2.2	11.2x6.7x4
機械總重量	Machine weight	2100kg	3100kg	4200kg	4300kg	5600kg	7500kg

REH- 風冷式單螺桿塑膠造粒機

STRAND TYPE SINGLE SCREW EXTRUDER - AIR COOLING SYSTEM

Application: For coloring and recycling of clean rigid thermoplastics, such as ABS, PC, PP, PE, PS, HIPS, PA, PBT, POM, PET, TPU, TPR, ETC...



RHS- 水冷式單螺桿塑膠造粒機

STRAND TYPE SINGLE SCREW EXTRUDER - WATER COOLING SYSTEM

Application: For coloring and recycling of clean rigid thermoplastics, such as ABS, PC, PP, PE, PS, HIPS, PA, PBT, POM, PET, TPU, TPR, ETC...



技術規格 TECH SPECS

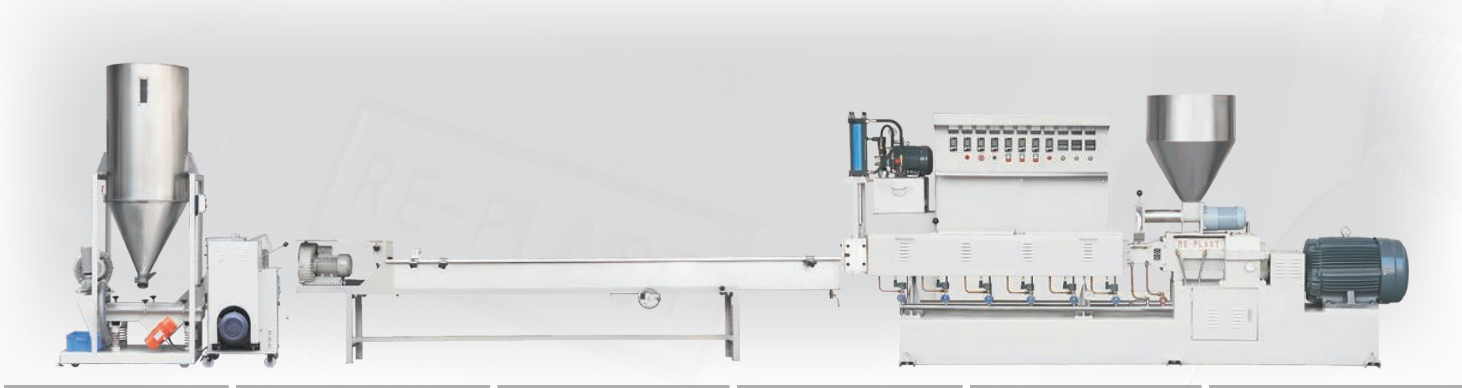
型號-螺桿直徑 Model - Screw diameter	REH-60	REH-80	REH-110	RHS-65	RHS-95
產量 Output(PC/ABS/LDPE)	75-100kg/hr	180-250kg/hr	320-450kg/hr	220-280kg/hr	600-800kg/hr
螺桿長徑比 Extruder screw L/D ratio	32 : 1	35 : 1	33 : 1	32 - 38 : 1	32 - 38 : 1
功率 Extruder power	22kw	55kw	90kw	55kw	130kw
模頭形式 Extruder type of die head	選購 selections				
冷卻水槽功率 Cooling tank power	0.75kw	1.1kw	1.5kw	1.5kw	2.2kw
粉碎機功率 Cutting machine power	3.7kw	7.5kw	7.5kw	7.5kw	7.5kw
機械總功率 Machinery's total power	50kw	104kw	167kw	124kw	160kw
電源線規格 Electric cable	22mm²	50mm²	80mm²	50mm²	125mm²
總開關 Main switch	3P 80A	3P 150A	3P 200A	3P 150A	3P 300A
安裝尺寸 Installation size(m)	7.2x2.2x1.8	12x2.5x1.9	14x3x2.2	12x1.5x1.9	16x1.5x1.9
機械總重量 Machine weight	1900kg	2800kg	4200kg	2800kg	4000kg

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RT- 雙螺桿塑膠造粒機

STRAND TYPE TWIN SCREW EXTRUDER

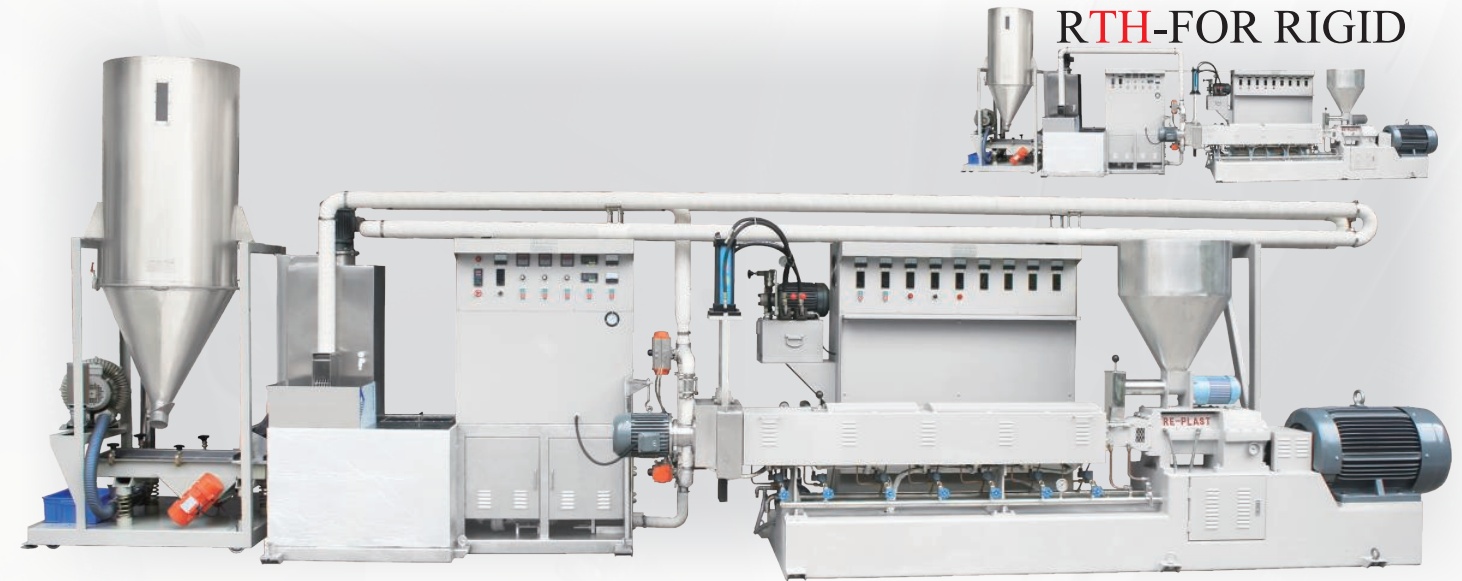
Application: For LCP, PPS, PA46, 6T, 9T, PCT, ETC... Blending and modification of high temperature and high concentrate color pigment, titanium, glassfibre, carbon fibre, etc...



RTU- 水中切雙螺桿彈性塑膠造粒機

UNDER WATER TWIN SCREW EXTRUDER FOR ELASTOMERS

Application: For elastomers that require die face cutting and underwater cooling system.



RTH-FOR RIGID

技術規格 TECH SPECS

型號-螺桿直徑 Model - Screw diameter	RT-38	RT-58	RT-78	RTU-38	RTU-58	RTU-78
產量 Output(PC/ABS/LDPE)	200-300kg/hr	600-800kg/hr	1200-1500kg/hr	200-300kg/hr	500-700kg/hr	1000-1200kg/hr
螺桿長徑比 Extruder screw L/D ratio	38 - 44 : 1	36 - 42 : 1	36 - 42 : 1	38 - 44 : 1	36 - 42 : 1	36 - 42 : 1
功率 Extruder power	55kw	130kw	280kw	55kw	130kw	280kw
模頭形式 Extruder type of die head	選購 selections					
冷卻水槽功率 Cooling tank power	0.75kw	1.1kw	1.5kw	2.2kw	2.2kw	3.7kw
粉碎機功率 Cutting machine power	7.5kw	7.5kw	15kw	3.7kw	3.7kw	5.5kw
機械總功率 Machinery's total power	100kw	160kw	350kw	100kw	160kw	350kw
電源線規格 Electric cable	50mm²	125mm²	350mm²	50mm²	125mm²	350mm²
總開關 Main switch	3P 150A	3P 300A	3P 600A	3P 150A	3P 300A	3P 600A
安裝尺寸 Installation size(m)	9.2x1.3x1.8	12.5x1.4x1.9	15.2x1.5x2	7.6x1.4x1.9	8.8x1.4x1.9	11x1.5x2
機械總重量 Machine weight	2400kg	4000kg	5800kg	2400kg	4000kg	5800kg

RTC-雙螺桿可程式控制塑膠混煉造粒機
PROGRAMMABLE LOGIC CONTROLLER OF TWIN SCREW PLASTIC COMPOUNDING LINE

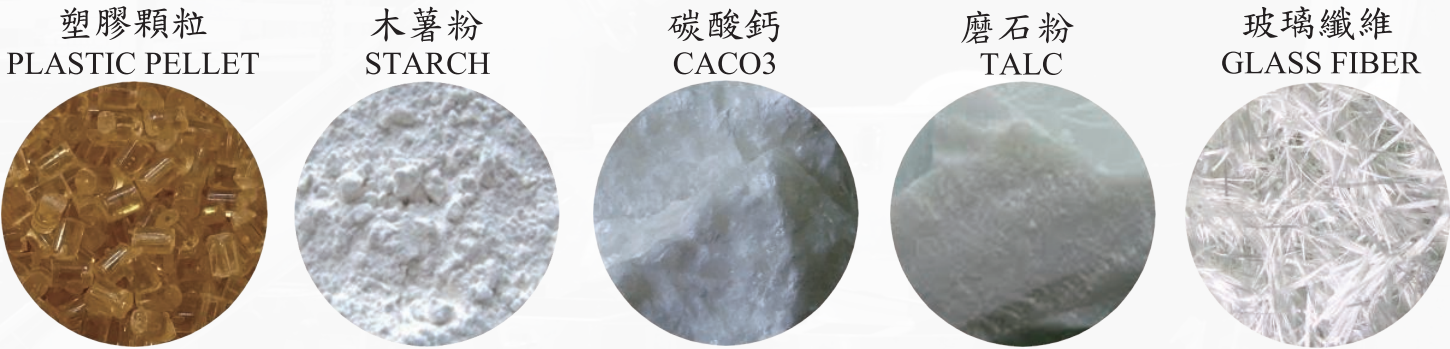


技術規格 TECH SPECS

型號	Model	RTC-38	RTC-58	RTC-78
產量	Output(PC/ABS)(LDPE)	200-300kg/hr	600-800kg/hr	1200-1500kg/hr
主機螺桿長徑比	Main extruder screw L/D ratio	38-44 : 1	36-42 : 1	36-42 : 1
主機功率	Extruder power	55kw	132kw	280kw
主機模頭型式	Type of die head	選購 selections		
側喂機	Side feeder	RTF-42	RTF-58	RTF-78
西門子	Siemens Programmable Logic Controller	S7-300		
台達	Delta Programmable Logic Controller	DVP60ES200T		
失重秤/緩衝倉型號	Loss in weight feeders/surge bunker style no.	Type / Surge Bunker		
單螺桿失重秤主機	Single screw loss in weight feeder	SS-2D 480L	SS-3D 480L	SS-4D 480L
短波纖雙螺桿失重秤	Twin screw loss in weight feeder:glass fiber	ST-2D 480L	ST-3D 480L	ST-4D 480L
阻燃劑雙螺桿失重秤	Twin screw loss in weight feeder:fire retardant	ST-1D 280L	ST-2D 280L	ST-3D 280L
添加劑雙螺桿失重秤	Twin screw loss in weight feeder:other additives			

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RTF-單秤&三秤式側喂機
SINGLE & 3-SCALES SIDE FEEDER



單秤式側喂機
SINGLE SCALE SIDE FEEDER

三秤式側喂機
3-CALES SIDE FEEDER



技術規格 TECH SPECS

單螺桿失重秤技術參數					側喂機技術參數 SIDE FEEDER TECHNICAL PARAMETERS				
SINGLE SCREW LOSS IN WEIGHT FEEDER TECHNICAL PARAMETERS					型號	Model	RTF-36	RTF-56	RTF-76
型號 Model	SS-1D	SS-2D	SS-3D	SS-4D	螺桿直徑	Screw diameter(mm)	36	56	76
產量 (L/H) Flow rate range	1-300		10-2000		螺桿長度	Length screw(mm)	495		1010
料斗容量 (L) Hopper size	25	50	100	200	長徑比	L/D	10 : 1	8.3 : 1	10.3 : 1
傳感器量程 Weighing range	60kg	120kg	300kg	500kg	減速機功率	Motor power	2.2kw	4kw	7.5kw
					減速比	Reducer ratio	10 : 1		
雙螺桿失重秤技術參數					螺桿軸額定轉速 Screw speed(rpm)		300	307	245
TWIN SCREW LOSS IN WEIGHT FEEDER TECHNICAL PARAMETERS					喂料量 Capacity (kg/h)	短玻纖 GF(3-6mm)	~70	~300	~600
型號 Model	ST-1D	ST-2D	ST-3D	ST-4D		1250目滑石粉 Talc powder	~70	~300	~600
產量 (L/H) Flow rate range	1-300		10-2000			3000目滑石粉 Talc powder	~30	~150	~300
料斗容量 (L) Hopper size	25	50	100	200	可用於造粒機型號 Suitable for extruder size		RT-38	RT-58	RT-78
傳感器量程 Weighing range	60kg	120kg	300kg	500kg					

風冷式拉條輸送帶
BELT TYPE STRANDS AIR COOLING TANK



水冷式拉條吸濕槽
STRANDS WATER COOLING TANK WITH SUCTION MOTOR



CUT-切粒&篩選機
CUTTING MACHINE & VIBRATORY PELLETS SIEVER



切粒機主要技術參數 Cutting machine main specification

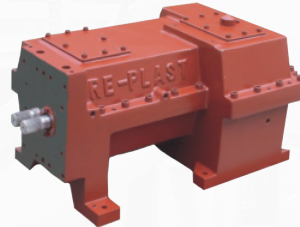
型號 Model	CUT-5	CUT-10	CUT-20
主機功率 Main power	3.3kw	7.5kw	15kw
切粒範圍 Output	200kg	600kg	1200kg
尺寸 Installation size(m) LxWxH	0.73x0.67x1.1	0.95x0.75x1.2	1.11x0.87x1.3
機械重量 Weight	275kg	535kg	785kg

篩選機主要技術參數 Pellets vibratory sieve specification

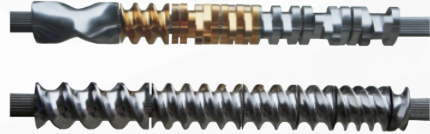
型號 Model	STR-600	STR-1000	STR-1500
振動馬達功率Vibration motor power	0.25kw		
漩渦風機功率Vortex blower power	2.2kw	3.3kw	5.5kw
篩選產量 Output (KG/HR)	200kg	600kg	1200kg
尺寸 Installation size(m) LxWxH	1.3x8.1x2.7	1.4x0.94x2.7	1.7x1.2x3.2
機械重量 Weight	345kg	375kg	425kg

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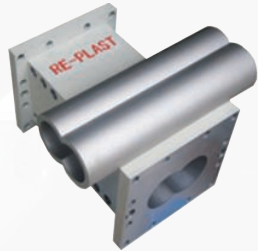
高扭矩齒輪箱
HIGH TORQUE RESISTANCE GEAR BOX



芯軸螺紋套
SCREW AND SHAFTS



筒體合金套
BARRELS AND LINERS



高轉速扭矩限制器
HIGH SPEED METER WITH TORQUE LIMITER



雙螺桿使用材料化學成分表 Materials chemical composition of twin screw

品名 Description of goods	材質material	C%	Si%	Mn%	P%	S%	Cr%	Mo%	V%	W%	Ni%
芯軸 shaft	40CrNiMoA	0.37~0.44	0.17~0.37	0.50~0.80	≤0.025	≤0.05	0.60~0.90	0.15~0.25			1.25~1.65
衬套 Barrel liner	SKD-11	1.4~1.6	≤0.40	≤0.60	≤0.03	≤0.03	11~13	0.80~1.20	0.20~0.50		≤0.25
	Cr12MoV1	1.4~1.6	≤0.60	≤0.60	≤0.03	≤0.03	11~13	0.70~1.20	≤1.10		≤0.20
螺紋件 screws	W6Mo5Cr4V2	0.8~0.9	0.2~0.45	0.15~0.40	≤0.03	≤0.03	3.8~4.4	4.50~5.50	1.75~2.20	5.50~6.75	≤0.3
	PM-10VA	2.45	1.1	0.34	0.013	0.009	5.25	1.3	9.75	0.04	0.13

MS-立式混色機
MS-VERTICAL PIGMENT MIXER



攪拌烘乾機
DRYER TYPE MIXER



主要技術參數 Main technical data

型號 Model	JF	400A	600A	800A	1000A
電機馬力 Power	HP	5	7.5	10	15
電熱總功率 Heating total power	KW	10	12	14	18
容積 Volume	KGS	400	600	800	1000
尺寸 Measurement(M) LxWxH	M	2.1x1x1.45	2.5x1.2x1.7	2.6x1.3x1.7	3x1.3x2
機械重量 Weight	KG	600	850	1400	2000
所有與物料接觸的部分均採用不鏽鋼製造 All parts in contact with material are made of staubkess steel					

粉碎輸送機
CRUSHER & COVEYOR



MH-立式混料機
MH-VERTICAL TYPE MATERIAL BLENDING MIXER

Blending tank and mixer are made of stainless steel
Suitable for mixing of masterbatch and all kinds of raw materials
Can be washed before changing materials

技術參數Technical data(ABS pellet)

型號 Model	MH-1.5t	MH-4t	MH-7t
功率 Power	5HP	10HP	15HP
容積 Volume	2.9m³	7.7m³	13.2m³
尺寸 Mesurement(M) LxWxH	1.6x1.6x2.9	2.4x2.4x3.3	2.4x2.4x4.8
機械重量 Weight	600kg	1000kg	1300kg