

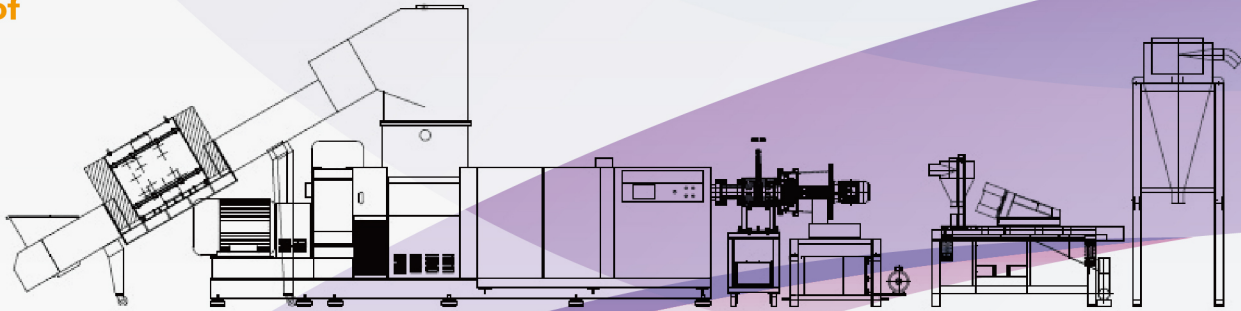
CKR Series
Single Stage Recycling
Machine



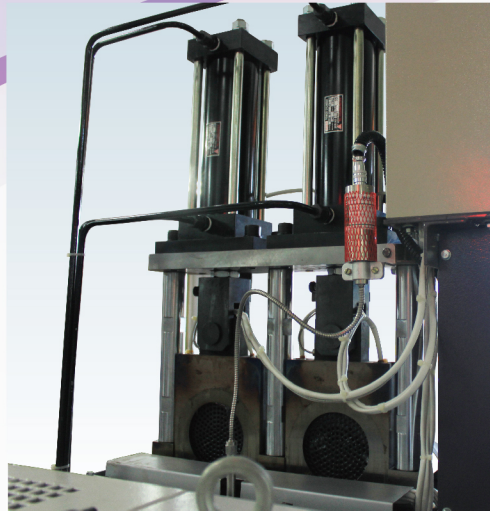
- Features:**
- Combine compactor, extruder and pelletizer in one machine.
 - CKR series is using compactor instead of crusher for cutting & volume reduction the material; the material will be fed directly into the main extrusion right after compactor.
 - CKR is equipped with PLC program control system & HMI touch screen panel.
 - CKR series rise up the production efficient; meanwhile, reduce labor cost, energy consumption and the floor space.

Model	CKR-85	CKR-100	CKR-120	CKR-135	CKR-150
Suitable material	Plastic film, sheet... soft waste				
Output (kg/hr)	150-200	240-320	350-420	450-600	650-850
Screw diameter	85mm	100mm	120mm	135mm	150mm
Screw L/D ratio	32:1				
Main motor	75HP	125HP	175HP	250HP	300HP

Flow chart of
CKR



Vacuum degassing system



Dual plate
screen changer (option)



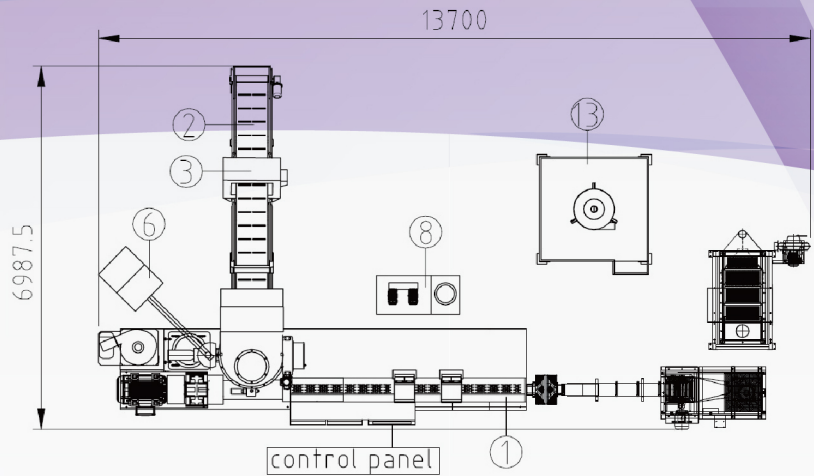
Under water
cutting system (option)

CKR-PET Series
PET Single Stage Recycling Machine

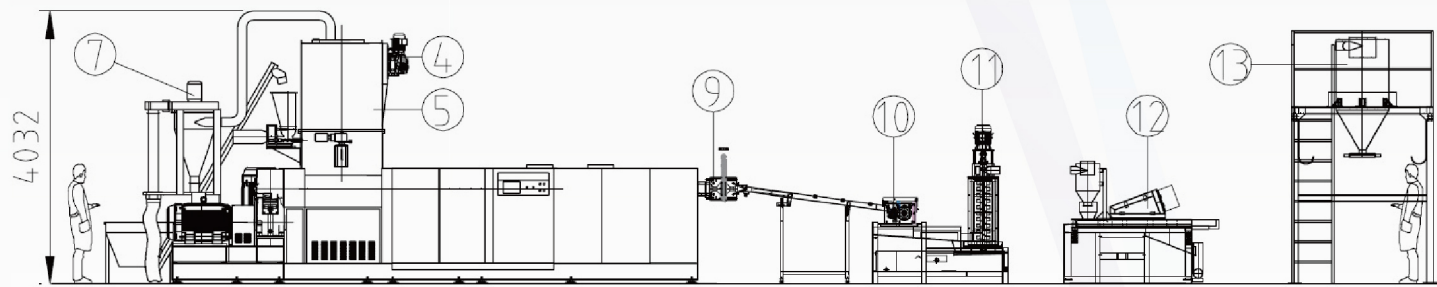


- Volumetric dosing unit for keeping feeding volume stable
- Powerful compactor for pre-drying PET flakes with dust collection system
- Dual vacuum degassing unit
- Underwater strand type pelletizing system (full stainless steel)
- PLC+HMI touch panel control system

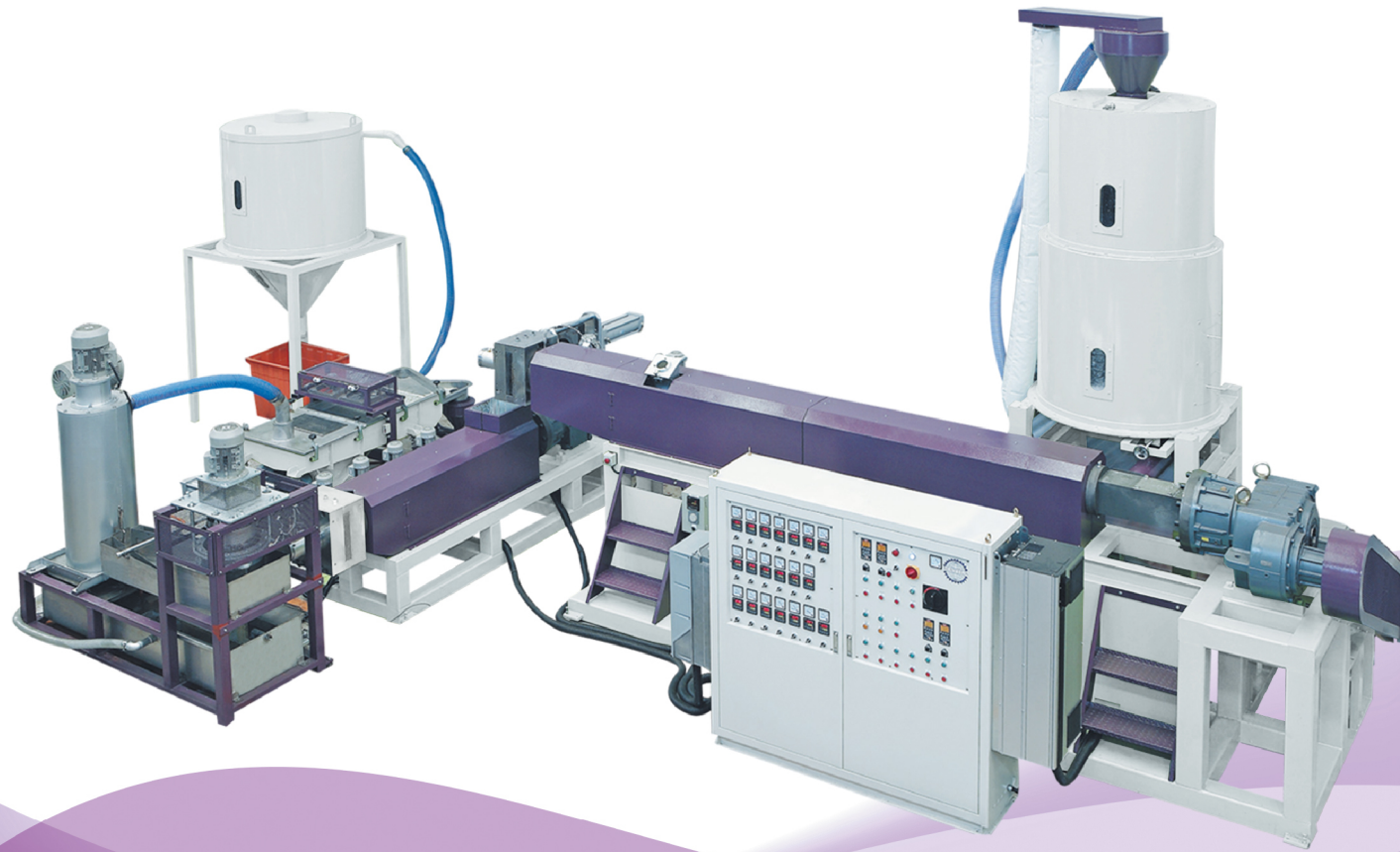
Model	CKR-PET85	CKR-PET100	CKR-PET120	CKR-PET135	CKR-PET150
Suitable material	Clean& crushed PET scraps & flakes (size under 8mm)				
Output (kg/hr)	150-200	240-320	350-420	450-600	650-850
Screw diameter	85mm	100mm	120mm	135mm	150mm
Screw L/D ratio	38:1				
Main motor	100HP	150HP	200HP	300HP	400HP



1. Main extrusion unit
2. V-type conveyor
3. Metal detector
4. Nip roller unit
5. Compactor
6. Micro material feeding system
7. Dust & powder collection system
8. Vacuum degassing system
9. Hydraulic driven screen changer
10. Cutting unit
11. Centrifuge
12. Vibration pellets cooling & selection system
13. Pellet silo & capacity measurement system



Plastic Recycling Machine



CR series

Waste plastic films/bottles recycling machine

MATILA INDUSTRIAL CO., LTD.

No. 186, Chung Hsiao Road, Pali Dist., New Taipei City, Taiwan 249
Tel: 886-2-2619 2222 Fax: 886-2-2610 1100
E-mail: matila@matila.com.tw www.matilataiwan.com



CR-AWD Series
PE/PP In-house Waste Plastic Waste Recycle Machine

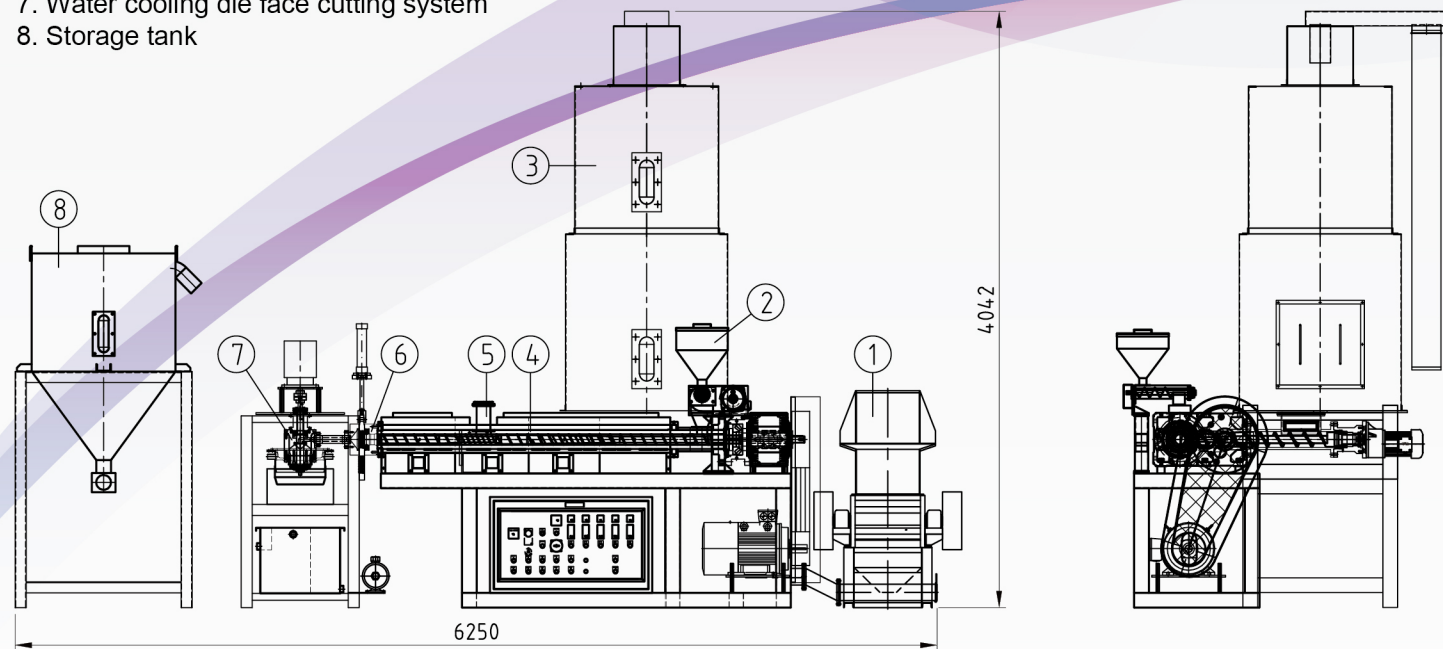


- Features:**
- Suitable for HD/LD/LLDPE in-house or industry waste (PP available on request).
 - Suitable for soft material as plastic film, sheet and bags.
 - Suitable for rigid material as plastic bottle scraps.
 - Crusher/Extrusion/Die cutting in one compact design, easy to operate and install.
 - High value machine equipped with direct-connection gear box, well-known brands inverter, PID+SCR thermo control.
 - Equipped with vacuum degassing system, suitable for printed or moisture material.
 - Equipped with water cooling die face cutting system & powerful centrifuge for drying pellets.

Model	Capacity(kg/hr)	Screw diameter	Screw L/D ratio	Crusher	Main motor
CR-60AWD	30-60	60mm	32:1	10 HP	25 HP
CR-70AWD	Soft: 80-120 Rigid: 80-140	70mm	32:1	20 HP	40 HP

- PP material need extra die face
- Capacity will depend on material character and working condition

1. Crusher
2. Rigid material feeding system (optional)
3. Soft material storage & feeding system
4. Main extrusion unit
5. Vacuum degassing system
6. Hydraulic screen changer
7. Water cooling die face cutting system
8. Storage tank

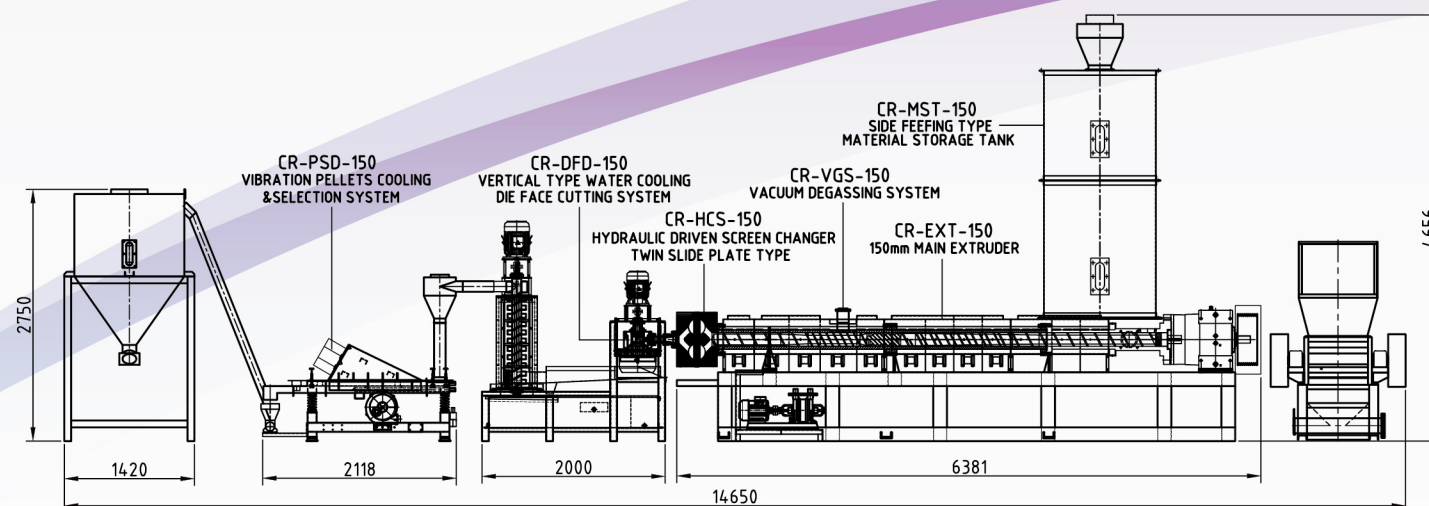


CR Series Plastic Waste Pelletizing Line

- Suitable for HDPE, LDPE, LLDPE, PP, BOPP, PS, ABS, plastic bags/film/sheet waste, clean in-house or washed waste
- Integrate crusher, extruder and pelletizer together in one complete pelletizing line
- Force vacuum degassing system for printed waste or moisture waste
- Vertical type water ring die face cutting system
- Accurate temperature control by SCR + PID temperature controller
- Optional sub extruder for process film waste with heavy printed ink or film waste contained with high percentage humidity
- Optional single screw rigid material feeding system, available for rigid PE/PP bottle flake/granule waste

Model	CR-85	CR-100	CR-120	CR-135	CR-150	CR-180	CR-200
Max capacity (kg/hr)	Soft: 180 Rigid: 200	Soft: 240 Rigid: 260	Soft: 300 Rigid: 340	Soft: 360 Rigid: 400	Soft: 450 Rigid: 550	Soft: 700 Rigid: 800	Soft: 900
Screw diameter	85mm	100mm	120mm	135mm	150mm	180mm	200mm
Screw L/D ratio	32:1 / 38:1, with 1 degassing zone						
Crusher motor	30 HP	50 HP	75 HP	100 HP	125 HP	150 HP	250 HP
Main motor	75 HP	125 HP	150 HP	175 HP	200 HP	300 HP	450 HP
*Sub extruder unit							
Screw diameter	85mm	100mm	120mm	135mm	150mm		
Screw L/D ratio	12:1, without vent zone						
Main motor	40 HP	50 HP	60 HP	75 HP	100 HP		
Cutting system	By vertical type, horizontal type, strand type or underwater cutting system depending on material and customer's demand						

- Metal detector, pressure gauge, dual cylinder hydraulic screen changer are optional equipment by request
- All the devices arrangement are changeable according to customer's requirement.



Powerful crusher



Soft material feeding system



Vertical type water cutting system



Vacuum degassing system



Vibration & selection system

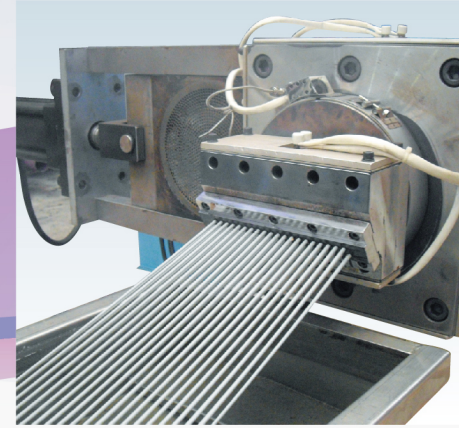


Rigid material feeding system
(by request)

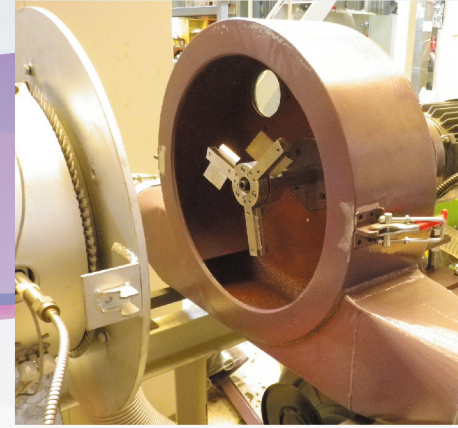
Optional Equipment



Under water cutting system



Strand type pelletizing system



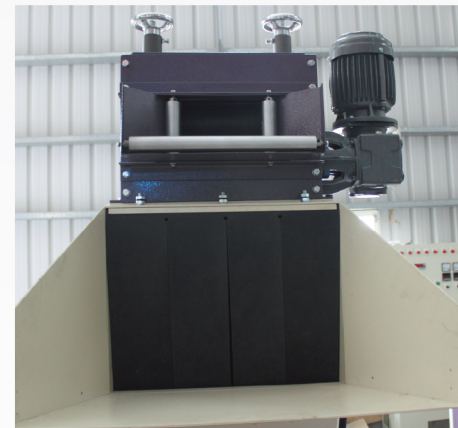
Air cooling cutting system



Under water strand type
pelletizing system



Pneumatic accumulator for
hydraulic screen changer



Nip roller device for trim/film reel

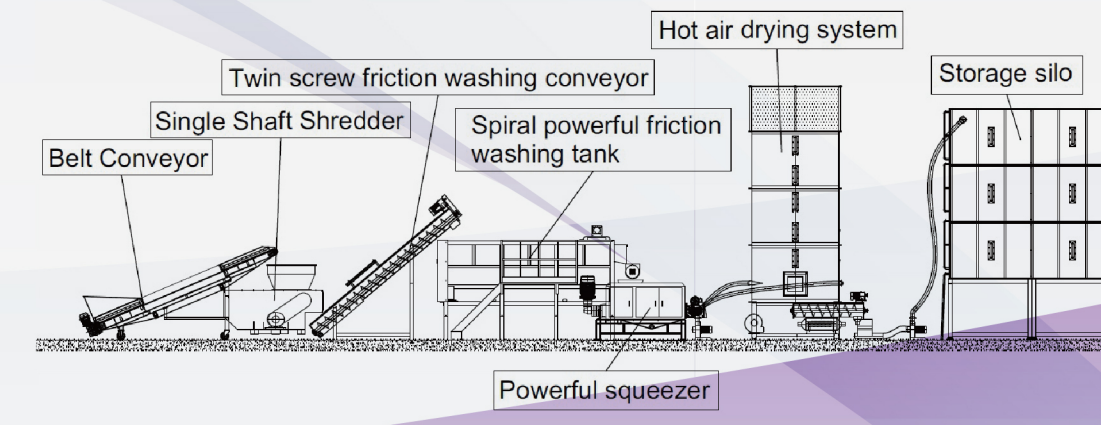
CW Series Plastic Waste Crushing / Washing / Drying Line for rigid or soft waste or non-label PET drinking bottle

- The flow chart of whole line is flexible arrangement according to customer's requirement
- Customized equipment for processing soft film or rigid material

CW-PEF – PE/PP soft waste washing line

Model	CW-PEF-300	CW-PEF-500	CW-PEF-1000
Suitable material	PE/PP film, sheet, bags...soft waste		
Max feeding capacity	400 kg/hr dirt material	600 kg/hr dirt material	1200 kg/hr dirt material
Production capacity	The final production capacity is depending on material, form, operation condition		

Flow chart of CW-PEF

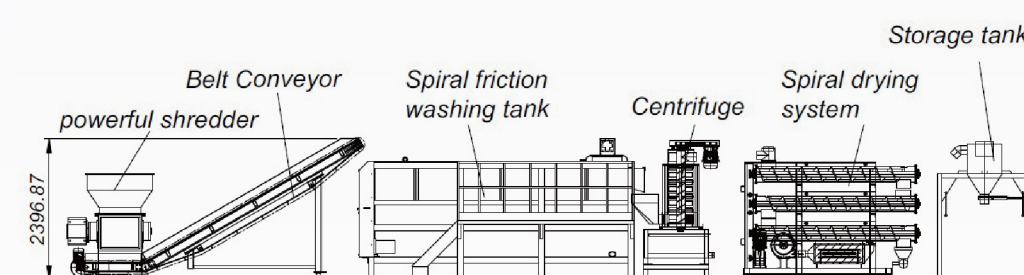


Appearance of CW-PEF



CW-PEB – PE/PP rigid waste washing line

Model	CW-PEB-300	CW-PEB-500	CW-PEB-1000
Suitable material	PE/PP bottles, gallons... rigid waste		
Max feeding capacity	400 kg/hr dirt material	600 kg/hr dirt material	1200 kg/hr dirt material
Production capacity	The final production capacity is depending on material, form, operation condition		



Flow chart of CW-PEB

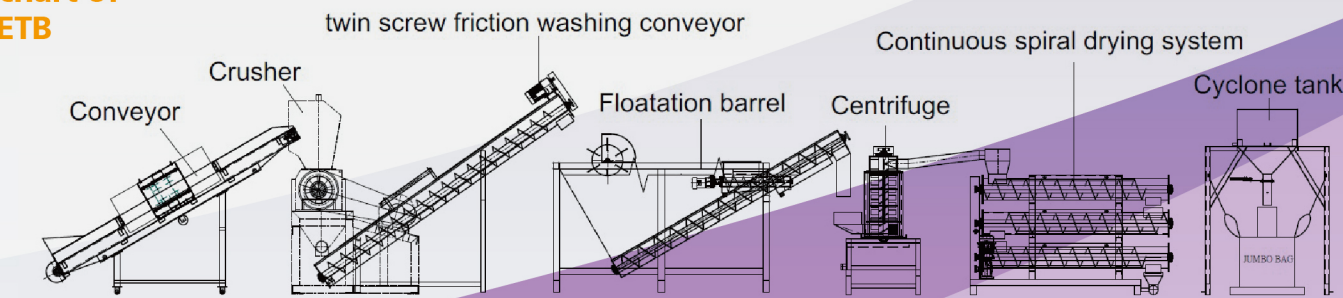


Appearance of CW-PEB

CW-PETB – PET bottle washing line

Model	CW-PETB-300	CW-PETB-500	CW-PETB-1000
Suitable material	Non-label drinking bottle		
Max. Feeding capacity (kg/hr)	250-350	400-600	800-1200
Capacity	The final production capacity is depending on material, form, operation condition		
Crusher motor	75HP	125HP	250HP

Flow chart of CW-PETB

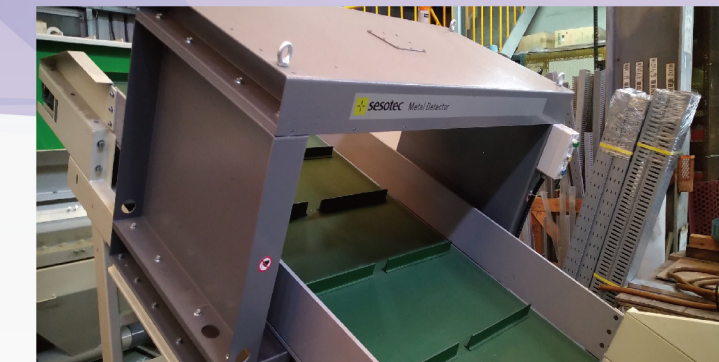


Optional Equipment

Model	Motor (HP)	Inlet Dim n. (mm)	Rotary knife quantity	Stationary knife quantity
MSD-700	40-50	700 x 650	52	4
MSD-1000	60-75	1000 x 650	80	6
MSD-1350	75-100	1350 x 1000	108	8
MSD-1700	125-150	1700 x 1000	136	10
MSD-2000	100 x 2	2000 x 1500	164	12
MSD-2500	125 x 2	2500 x 1500	204	14
MSD-3000	150 x 2	3000 x 1500	248	18



Single-shaft powerful shredder



Metal detector



Spiral friction washing tank



Conveyor & wet type crusher



Twin screw friction washing conveyor