

**Rigid scraps pelletizing machine to recycle crushed hard flakes and crushed soft film**  
**Crushed film recycling pellet machine**  
**single screw extruder with vertical water-ring cutting system**

**forced feeding plastic granulation line**









Crushed film recycling pellet machine is used for crushed film pelletizing, feeding method is Screw force feeder

#### A. Application

This SJ series single screw plastic granulating machinery are mainly applied to pelletize Crushed (rigid) materials, bottle flakes & agglomerated films, etc.

This type granulating machine has special screw design, effective degassing and filter (Hydraulic screen changer) system, with stable output and long service life.

This kind of plastic pelletizing line is highly-automatic, only need 2 workers for operating the whole pelletizing production line. One worker for controlling the Electric control panel, one for feeding materials and changing Hydraulic Screen Changer.

#### B. Features of single screw plastic granulating machinery for HDPE/LDPE flakes/scraps

Higher output, lower consumption, more automatic

20% more output than our first-generation products

15% less consumption than our first-generation products

2 labors operating the whole line

### C.How it works

1. Screw charger/spiral charger(function:to convey the raw material(LDPE/HDPE flakes/scraps) into the single screw extruder
2. Screen changer of the first stage(here there's the natural degassing from the first stage to the second stage). Plate diameter:ø300mm,ø250mm,ø350mm etc
3. The second hydraulic screen changer & Horizontal water-ring die face hot cutting system(cut melted material into pellets/granules) Hot cutter/knife material: Cr.12Mov. This kind of material is very wear-resisting.

### Final HDPE pellets/granules

### Parameters of series single screw plastic granulating machinery for LDPE/HDPE scraps/flakes

Model	SJ30	SJ45	SJ65	SJ90	SJ100	SJ120	SJ150	SJ160	SJ180	SJ200
Screw diameter(m)	30	45	65	90	100	120	150	160	180	200
L/D	18 to 42									
Rotary speed(rpm)	10 to 150									
Capacity(kg/h)	2~40	10~60	100~150	180~250	250~350	300~600	400~750	800~1000	1500~2000	2000~3000

#### After-sales service:

Send engineers to install, test the machines and offer technology guidance and worker training at customers' factory.

Offer 12 months free maintenance and life long service. After the warranty period, spare parts will be provided at basic cost.

Build customers database. All machines are traceable.

Visit customers and make quality trace periodically and take customers' feedback into account during routine practices.

Speed up service and spare parts supply.

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