

專業塑膠押出機械 整廠設備設計製造  
Major in Plastic Extruder Production and Design



Genius Machinery Co., Ltd. was founded in 1992. For over forty years of experience in plastic recycling machine, we have dedicated to putting the innovations into practice to satisfy the needs of customers. Genius specializes in plastic recycling machinery which covers from plastic pelletizer, plastic washing plant, plastic crusher, plastic shredder to plastic recycling plant design and planning.



### Innovative Technology

Our team pursues growth, excellence and environmental protection. Our professional R&D team has paid the unmatched attention to product quality and durability. Genius always meets the demands of customers with the latest design technology.



### Our Strength

Experienced staff and state of the art processing technology are our strength which tells the difference between us and others. At Genius, we master welding and drilling skills which are essential parts of production.



### Global Vision

Our target customers are not only in Taiwan, but also worldwide. We aim to embrace the customers from all over the globe and build enduring relationship with our clients. Our export destinations include United States, Europe, South Africa, Egypt, China, Indonesia, Malaysia, the Philippines, Saudi-Arabia, Japan, Algeria and so on. We will keep expanding our horizon and let the world see the pride of Taiwan-the excellent technology, reputation and quality.

PLASTIC RECYCLING PELLETIZER



長毅機械工業有限公司  
GENIUS MACHINERY CO., LTD.

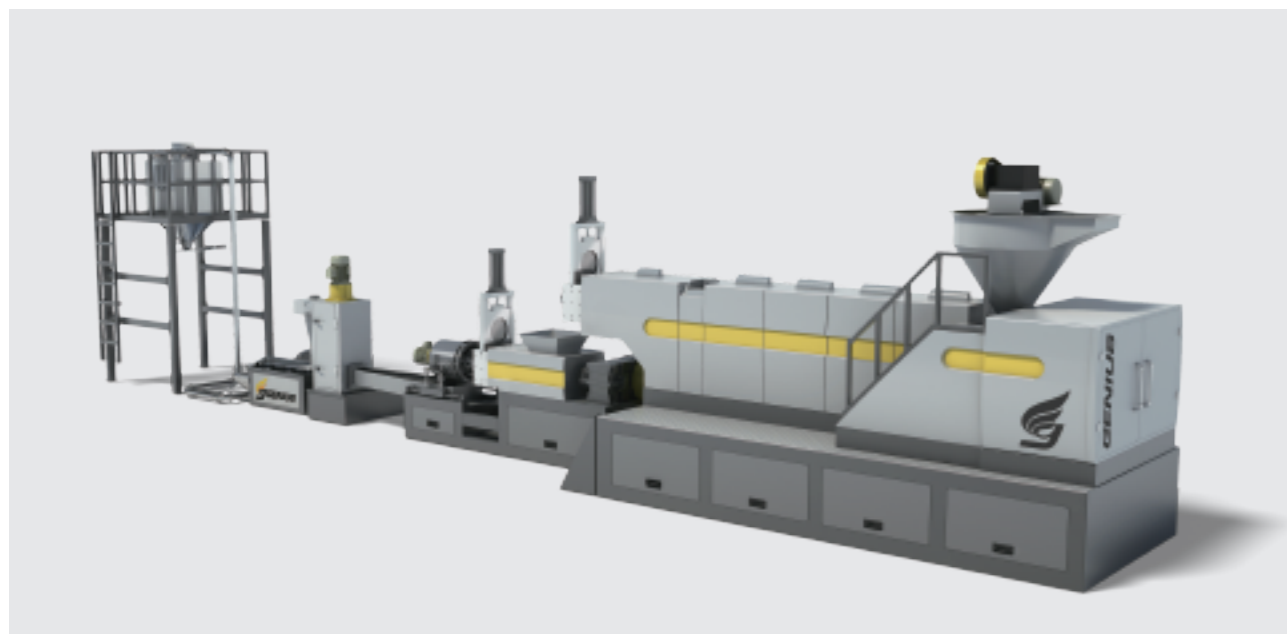
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塑膠回收造粒機  
PLASTIC RECYCLING PELLETIZER

## H-DFCi Series

Two Stage Hopper Feeding  
Plastic Recycling Machine



### Feature:

1. The hopper feeding plastic recycling machine is especially designed for plastic waste scrap crushed from plastic lumps and films as well.
2. Dedicated screw and barrel design: According to the characteristics of recycling materials, dedicated screw is designed to completely impurities such as water and bad air; the screw also has a variety of advantages, for examples, good mixing, good dispersion, high output and others.
3. Double vent holes design speeds up the evaporation of water within barrel.
4. Finished plastic pellets contain no air bubbles. Easily manager the material sources for making pellets.

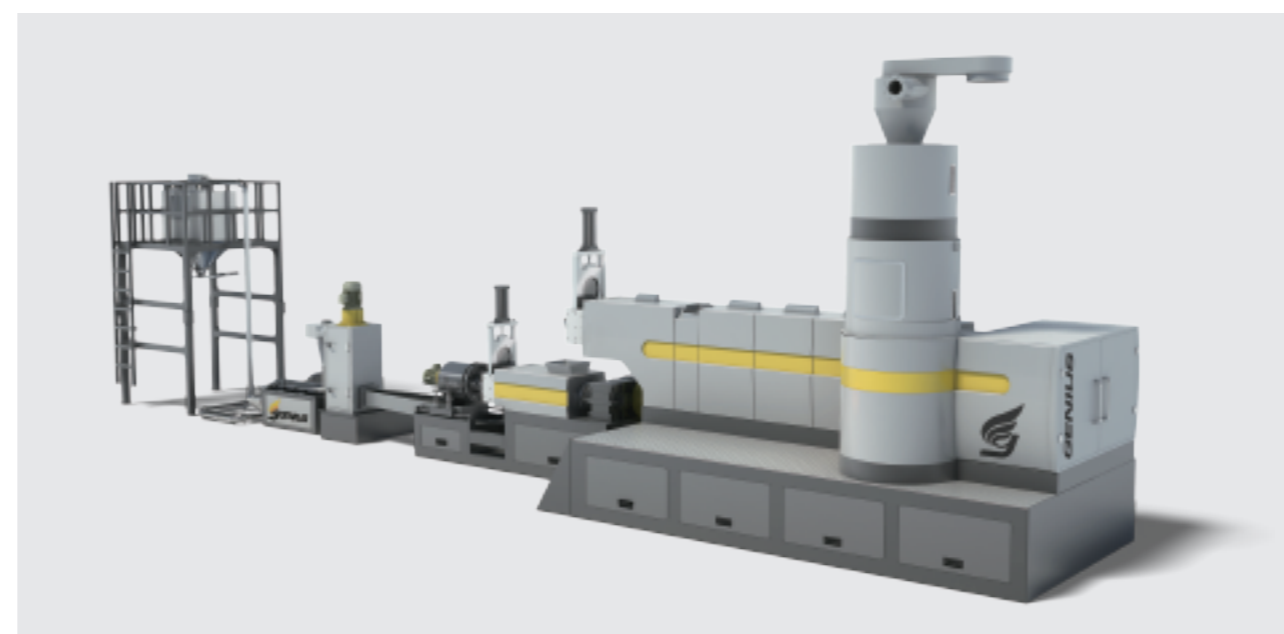
| Description                    | Model #      | H-DFC-100i<br>H-SPR-100i | H-DFC-125i<br>H-SPR-125i | H-DFC-150i<br>H-SPR-150i | H-DFC-175i<br>H-SPR-175i |
|--------------------------------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Force feeding motor            |              | 5HP                      | 7½HP                     | 7½HP                     | 7½HP                     |
| Extrusion capacity             |              | 200-300 kg/hr            | 300-450kg/hr             | 450-600 kg/hr            | 700~900 kg/hr            |
| Main extruder                  | Screw dia.   | Ø100 mm                  | Ø125 mm                  | Ø150 mm                  | Ø175 mm                  |
|                                | Motor        | 125HP                    | 150HP                    | 200HP                    | 350HP                    |
| Sub extruder                   | Screw dia.   | Ø115 mm                  | Ø135 mm                  | Ø165 mm                  | Ø185 mm                  |
|                                | Motor        | 50HP                     | 60HP                     | 75HP                     | 100HP                    |
| Hydraulic screen changer motor |              | 5HP                      | 5HP                      | 7½HP                     | 10HP                     |
| Vibrating screener             | Motor        | ¼HP x 2 pcs              | ¼HP x 2 pcs              | ¼HP x 2 pcs              | ½HP x 2 pcs              |
|                                | Blower motor | 3HP                      | 5HP                      | 7½HP                     | 10HP                     |
| Silo capacity                  |              | 600 L                    | 800 L                    | 800 L                    | 1000 L                   |

\*DFC = Die Face Cutting \* SPR = Strand Cutting

※ Applicable materials: PE、PP、HIPS、PS、ABS、PC、PET、Nylon and etc.

## S-DFCi Series

Two Stage Side Feeding  
Plastic Recycling Machine



### Feature:

1. The side feeding plastic recycling machine is especially designed for plastic film and fluffy materials and also work-able for rigid materials as well.
2. Die-face pelletizing is expected to reduce manpower cost. Pelletizing knives are center self-adjusted so that they can pelletize the material precisely and powder free. Die face cutting ensures the final plastic pellets in uniform size.
3. Extruder is equipped with pressure sensor (optional). Where there is excessive pressure, warning light or buzzer send notification for replacing filter screen. No need to shut down the machine when replacing the filter screen
4. Drive train: High torque gearbox made with precision grinding. Low noise, steady and smooth operation. Low power consumption and high output.

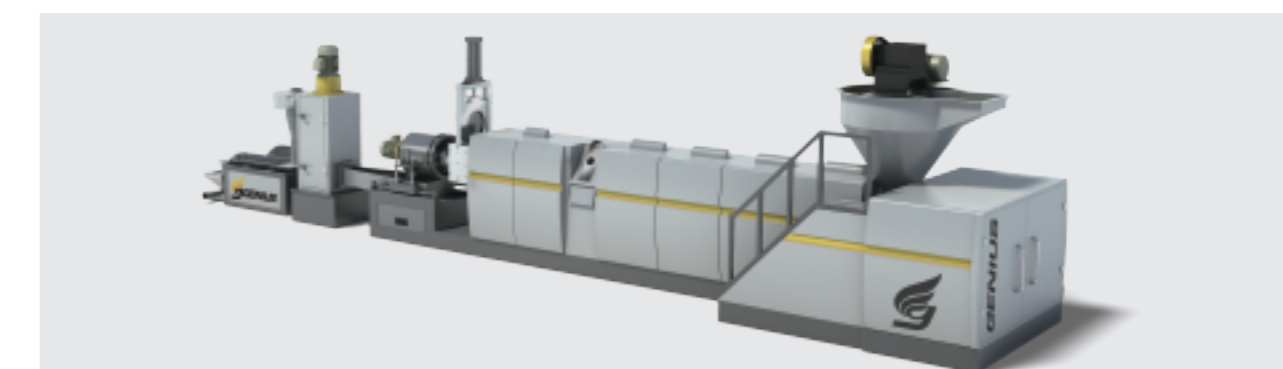
| Description                    | Model #      | S-DFC-100i<br>S-SPR-100i | S-DFC-125i<br>S-SPR-125i | S-DFC-150i<br>S-SPR-150i | S-DFC-175i<br>S-SPR-175i |
|--------------------------------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Side feeding motor             |              | 7½HP                     | 10HP                     | 15HP                     | 15HP                     |
| Extrusion capacity             |              | 200~300 kg/hr            | 300~450 kg/hr            | 450~600 kg/hr            | 700~900kg/hr             |
| Main extruder                  | Screw dia.   | Ø100 mm                  | Ø125 mm                  | Ø150 mm                  | Ø175 mm                  |
|                                | Motor        | 125HP                    | 150HP                    | 200HP                    | 350HP                    |
| Sub extruder                   | Screw dia.   | Ø115 mm                  | Ø135 mm                  | Ø165 mm                  | Ø185 mm                  |
|                                | Motor        | 50HP                     | 60HP                     | 75HP                     | 100HP                    |
| Hydraulic screen changer motor |              | 5HP                      | 5HP                      | 7½HP                     | 10HP                     |
| Vibrating screener             | Motor        | ¼HP x 2 pcs              | ¼HP x 2 pcs              | ¼HP x 2 pcs              | ½HP x 2 pcs              |
|                                | Blower motor | 3HP                      | 5HP                      | 7½HP                     | 10HP                     |
| Silo capacity                  |              | 600 L                    | 800 L                    | 800 L                    | 1000 L                   |

\*DFC = Die Face Cutting \* SPR = Strand Cutting

※ Applicable materials: PE、PP、HIPS、PS、ABS、PC、PET、Nylon and etc.

## H-DFC series

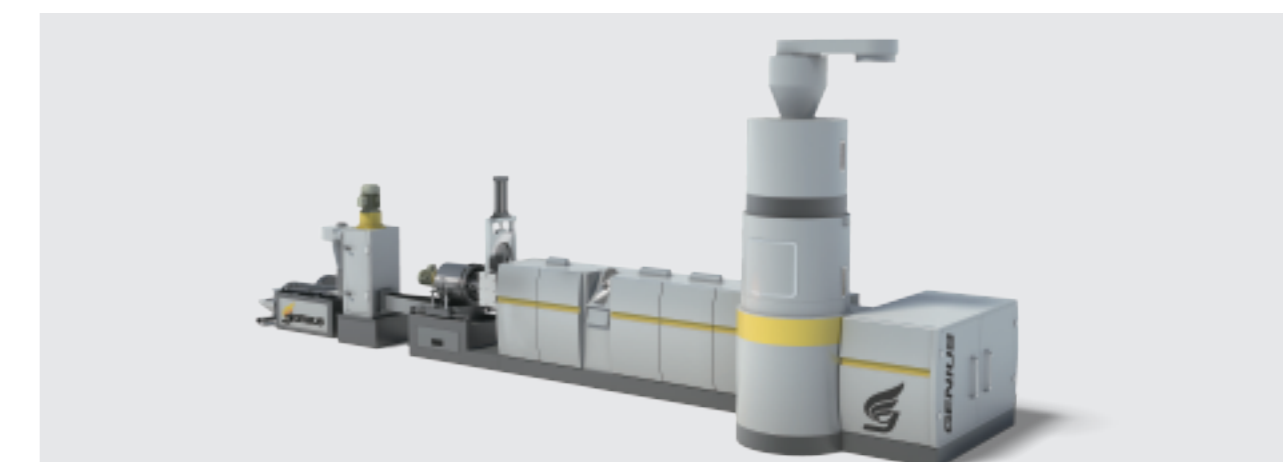
Single Stage Hopper Feeding  
Plastic Recycling Machine



| Description                    | Model #      | H-DFC-85<br>H-SPR-85 | H-DFC-100<br>H-SPR-100 | H-DFC-125<br>H-SPR-125 | H-DFC-150<br>H-SPR-150 | H-DFC-175<br>H-SPR-175 |
|--------------------------------|--------------|----------------------|------------------------|------------------------|------------------------|------------------------|
| Force feeding motor            |              | 3HP                  | 5HP                    | 7½HP                   | 7½HP                   | 7½HP                   |
| Extrusion capacity             |              | 150~250 kg/hr        | 250~350 kg/hr          | 400~550 kg/hr          | 550~700 kg/hr          | 750~1000 kg/hr         |
| Screw diameter                 |              | Ø85 mm               | Ø100 mm                | Ø125 mm                | Ø150 mm                | Ø175 mm                |
| Main motor                     |              | 75HP                 | 125HP                  | 150HP                  | 200HP                  | 350HP                  |
| Hydraulic screen changer motor |              | 3HP                  | 3HP                    | 5HP                    | 7½HP                   | 10HP                   |
| Vibrating screener             | Motor        | ¼HP x 2 pcs          | ¼HP x 2 pcs            | ¼HP x 2 pcs            | ¼HP x 2 pcs            | ½HP x 2 pcs            |
|                                | Blower motor | 3HP                  | 7½HP                   | 7½HP                   | 10HP                   | 10HP                   |
| Silo capacity                  |              | 600 L                | 600 L                  | 800 L                  | 800 L                  | 1000 L                 |

## S-DFC series

Single Stage Side Feeding  
Plastic Recycling Machine



| Description                    | Model #      | S-DFC-85<br>S-SPR-85 | S-DFC-100<br>S-SPR-100 | S-DFC-125<br>S-SPR-125 | S-DFC-150<br>S-SPR-150 | S-DFC-175<br>S-SPR-175 |
|--------------------------------|--------------|----------------------|------------------------|------------------------|------------------------|------------------------|
| Side feeding motor             |              | 5HP                  | 7½HP                   | 10HP                   | 15HP                   | 15HP                   |
| Extrusion capacity             |              | 120~180 kg/hr        | 250~400 kg/hr          | 300~450 kg/hr          | 450~600 kg/hr          | 700~1000 kg/hr         |
| Screw diameter                 |              | Ø85 mm               | Ø100 mm                | Ø125 mm                | Ø150 mm                | Ø175 mm                |
| Main motor                     |              | 75HP                 | 125HP                  | 150HP                  | 200HP                  | 350HP                  |
| Hydraulic screen changer motor |              | 3HP                  | 3HP                    | 5HP                    | 7½HP                   | 10HP                   |
| Vibrating screener             | Motor        | ¼HP x 2 pcs          | ¼HP x 2 pcs            | ¼HP x 2 pcs            | ¼HP x 2 pcs            | ½HP x 2 pcs            |
|                                | Blower motor | 3HP                  | 7½HP                   | 7½HP                   | 10HP                   | 10HP                   |
| Silo capacity                  |              | 600 L                | 600 L                  | 800 L                  | 800 L                  | 1000 L                 |

※ Applicable materials: PE、PP、HIPS、PS、ABS、PC、PET、Nylon for post-industrial waste, edge trim, left over or less moisture contained materials.