

Intelligent Control System

One-button Start

Following set logistical sequence and materials processing requirement, interlocked system modules can start by "one button only", to avoid mistake or fault occurred by manual operation.

One-button Stop

Each related modular part in ASE-H™ system available to shut down by only one button, to protect whole ASE-H™ system from fault off hand operation.

Emergency Stop

Emergency stop function is available in ASE-H™ system in case that uncertain risk occurred during machine running.



Remote Control and Data Transmission

Controlling and Monitoring function in LAN net.



Protection System

Life Safety Protection

ASE-H™ system fully understanding safety issue during the actual operation step. Each operating position and rotating part equipped with electrical safe switch, to guarantee producing process safely and ensure clients' staffs life safety from potential risks during machine's running.

Plastic performance keeping

Thanks to precise temperature controlling and optimized plasticization design, ASE-H™ system ensure the reliable quality output of plastic granules.



Service and support

Experienced engineers are available for commissioning and training work in client's factory abroad. Spare parts are in stock for in-time delivery.

Brief Technical Parameters

Machine model	Diameter of screw (mm)	L/D	Motor power (KW)	Output (kg/h)
ASE80	80	38	55	120-160
ASE100	100	38	110	260-350
ASE120	120	38	160	330-480
ASE140	140	38	200	550-650
ASE160	160	38	250	600-800
ASE180	180	38	315	800-1000

Machine model	Diameter of screw (mm)	L/D	Motor power (KW)	Output (kg/h)	
ADS100/120	ASE100	100	38	110	260-350
	ASE120	120	15	30	
ADS120/140	ASE120	120	38	160	330-480
	ASE140	140	15	37	
ADS140/160	ASE140	140	38	200	550-650
	ASE160	160	15	45	
ADS160/180	ASE160	160	38	250	600-800
	ASE180	180	15	55	
ADS180/200	ASE180	180	38	315	800-1000
	ASE200	200	15	75	

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Advantages of ASE-H™ single screw extrusion and pelletizing system

- Configure intelligence and controllable system, can realize the whole system start/stop automatically.
- Modular design, configuration can be adjusted according to the actual materials condition, especially suitable to materials in form of flakes, agglomerates, squeezed film, etc.
- Longer processing length, optimized screw structure, to guarantee the final pellets' quality.
- Higher output and lower energy consumption.

Other benefits

- Lower investment cost for a high quality and durable machine;
- Low energy consumption with high production output;
- Fast machine delivery and installation: AceRetech produces on an average of 10 sets of plastic machines per month and can deliver the machine faster than most manufacturers.
- The regular delivery time of an AceRetech recycling machine is 30 working days.



ASE-H™

REGROUNDING & PELLETIZING SYSTEM

SPECIALIZED IN WASTE PLASTIC RECYCLING PELLETIZING SYSTEM

ACERETECH MACHINERY CO., LTD

www.aceretech.com

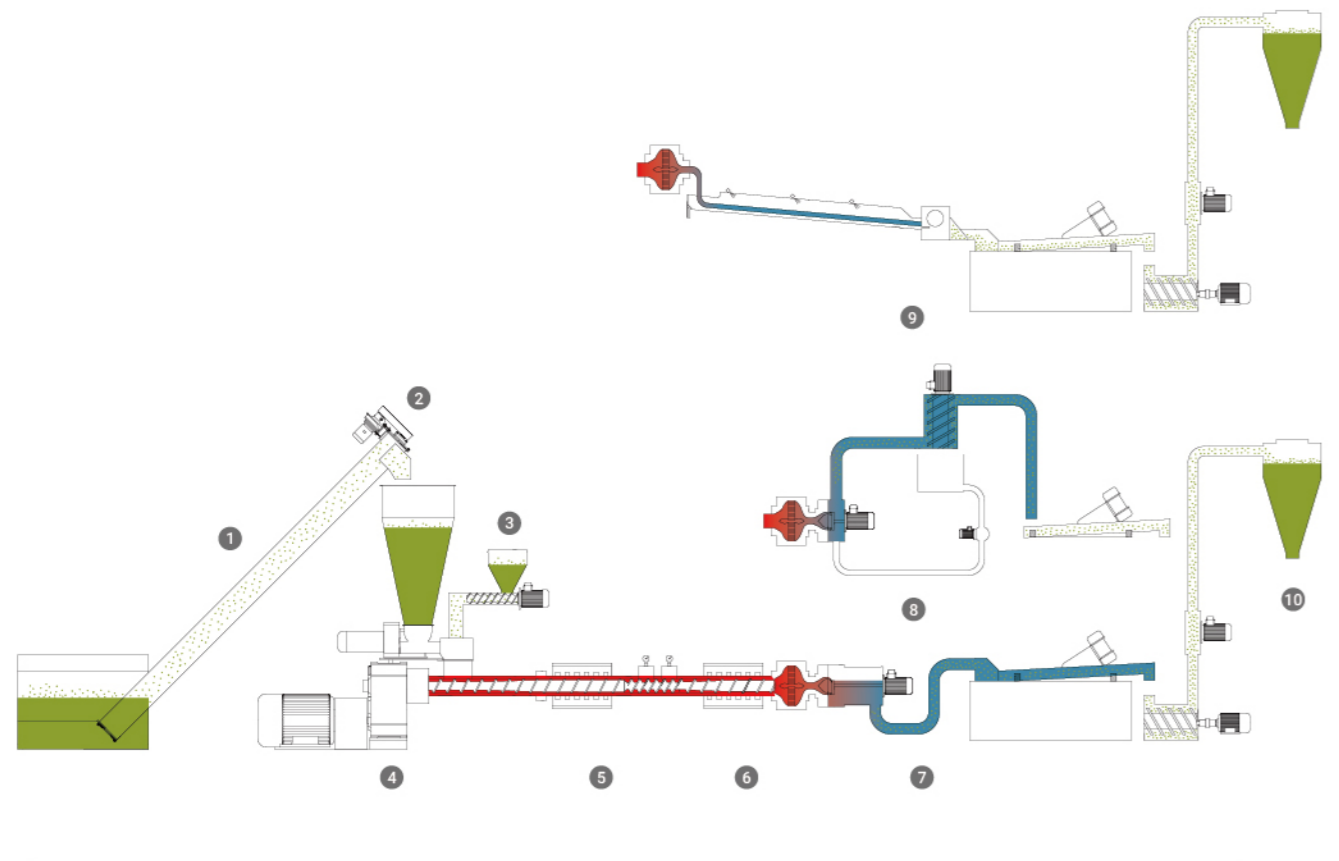


ACERETECH®
RECYCLING & PELLETIZING



Pellet quality ensured

The ASE-H™ series single screw extrusion and pelletizing system, is a specialized and reliable system, suitable to the recycling and re-pelletizing job of rigid plastic scrap. It is an efficiency and continuous system that makes rigid plastics, such as flakes, regrinds, crushed plastics into granules again with gentle re-melting, significant volatilization and impurities-filtration.

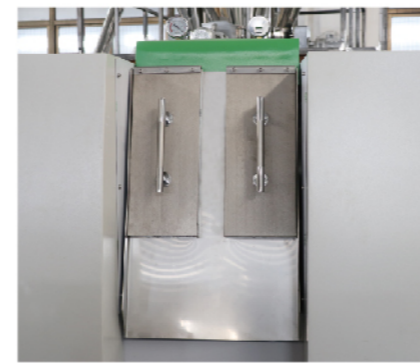


- 1 Screw loader
- 2 Screw feeder
- 3 Side feeder
- 4 Extruder
- 5 Vacuum Volatilization
- 6 Filtration unit
- 7 Water ring pelletizing unit
- 8 Under water pelletizing unit
- 9 Strand pelletizing unit
- 10 Storage silo



Feeding

To realize automatic feeding of plastics scraps, screw loader and screw feeder are cooperated with ASE-H™ single screw extruder. As standard design, plastic scraps such as flakes, regrinds, crushed materials conveyed into the screw feeder by the screw loader; Motor drives of screw loader and feeder controlled by inverter; automatic feeding is available thanks to the level sensor which installed in the hopper of screw feeder. Optional enforcing feeding hopper provided to handle the squeezed film/woven bag materials, in cooperate with upstream squeezing machine.



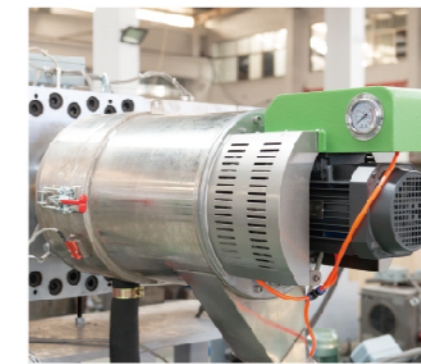
Plasticization and degassing

A specialized single screw extruder applied to gently melt the crushed plastics scraps. The handled scraps shall be melted, plasticized on a 38D processing section. With double-zone vacuum degassing system, volatiles such as moisture and low-moleculars will be removed efficiency, especially suitable to heavy printed and moisture-sensitive plastics scraps re-pelletizing.



Melt filtration

Choosing suitable screen changer depends on application of pellets and content of impurities. Self-cleaning filtration type, non-stop plate type, piston type, back-flush type are for options. Filtration area ranges from 254 cm² up to 3924 cm².



Pelletizing

Die-face water ring pelletizing system set as the standard granulating method in ASE-H™ system. Self-adjusting pelletizing head for the best granulate quality and long using-life thanks to consistently correct blades pressure. RPM of rotatory blades is automatic based on melt extruding pressure.



Vibration dry and packing system

Advanced dewatering vibration sieve combining with horizontal type centrifugal dewatering present high performance dried pellets and lower energy consumption.



Optional pelletizing system

To handle pelletizing job of high-molecular-weight (HWM) plastic or engineering plastic, not only water-ring but also strands and under-water pelletizing system set as the optional pelletizing method applied into ASE-H™ single screw extrusion and pelletizing system. With standard modular design, ASE-H™ system can easily cooperated with different pelletizing system to handle different type of rigid plastic scraps.