

ASE-H™ Regrinding & Pelletizing system

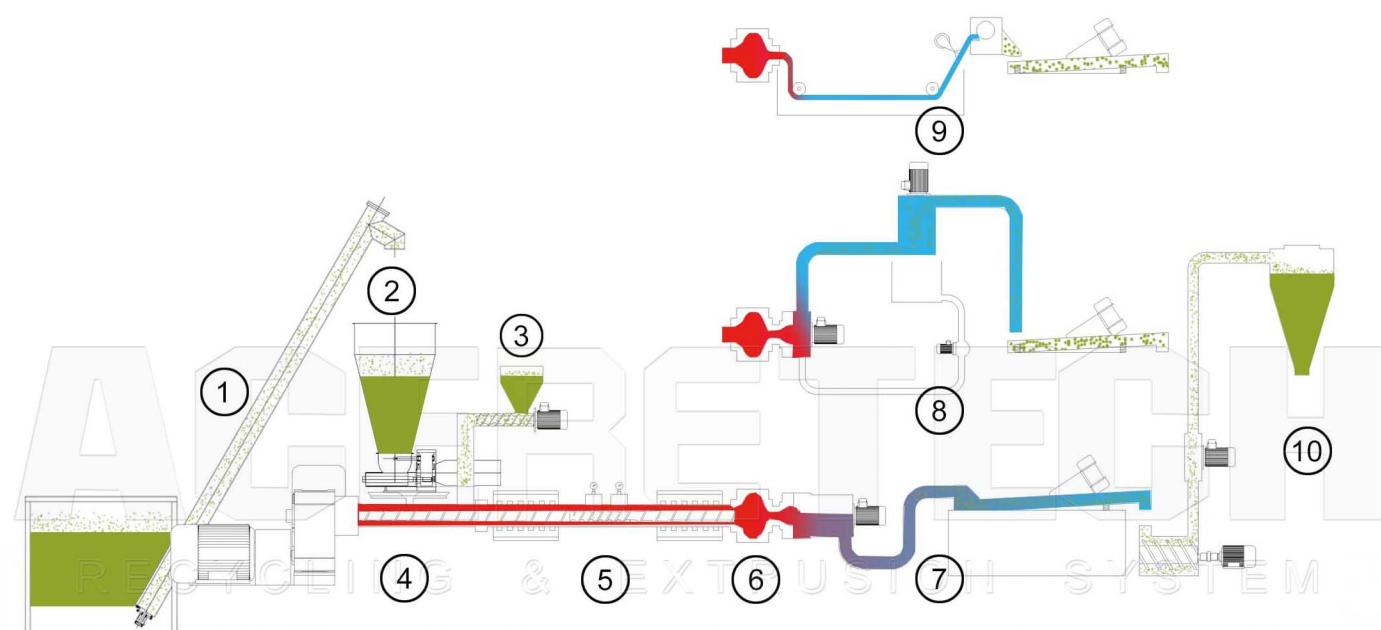


Machine size	Diameter of screw (mm)	L/D	Motor power (KW)	Throughput rate (kg/h)
ASE-80	80	32	55	120-160
ASE-100	100	32	110	260-350
ASE-120	120	32	132	330-420
ASE-150	150	32	185/200	550-650
ASE-180	180	32	250/315	800-1000

Machine size		Diameter of screw (mm)	L/D	Motor power (Kw)	Throughput rate (Kg/hr)
ADS100/120	ASE-100	100	28	110	260-350
	ASE120	120	10	30	
ADS120/150	ASE-120	120	28	132	330-420
	ASE150	150	10	37	
ADS150/180	ASE-150	150	28	185/200	550-650
	ASE180	180	10	45	
ADS180/200	ASE-180	180	28	250/315	800-1000
	ASE200	200	10	55	

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|---------------------------|-------------------|-------------------------------|--------------------------------|
| 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 | | |



Intelligence and controllable system

Intelligence Start: One button only

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.

Intelligence Stop: One button only

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.



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.



System program remote monitoring and transmission system

Ethernet

ASE- H™ system can connect with internet, to realize functions of remote monitoring and information transmission.



Service and support

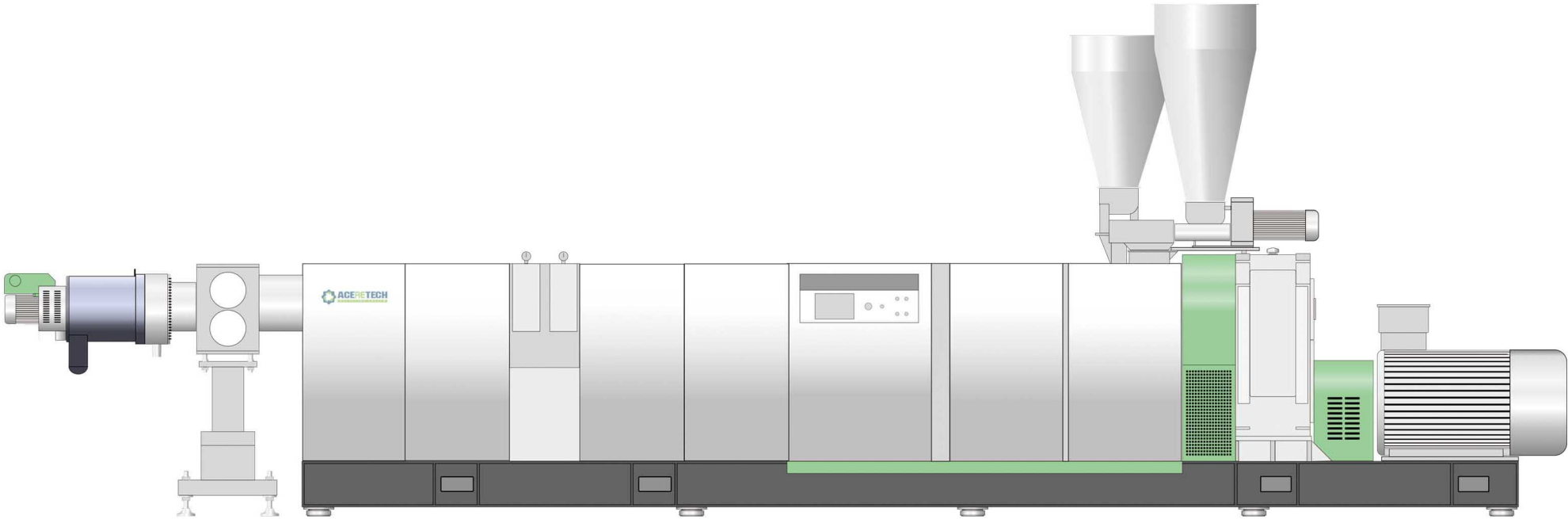
Overseas installation and training are available; Machine warranty with spares in stocking and in-time delivery.

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.



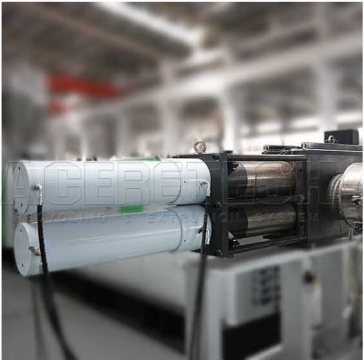
The ASE-H™ series single screw extrusion and pelletizing system, is a specialized and reliable system, suitable to the recycling and re-pelletizing job of rigid plastic scrap. It is an efficiency and continuous system that makes rigid plastics, such as flakes, regrinds, crushed plastics into granules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



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 32D 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.



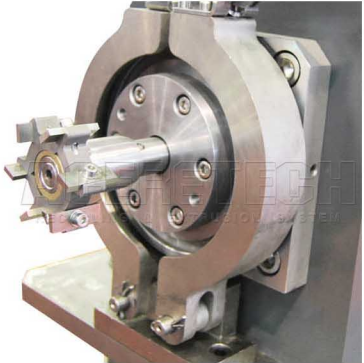
Melt filtration
A regular single plate/piston double station screen changer or non-stop double plate/piston four-station screen changer can be installed on head of extruder to present significant filtration performance. The requirements on the filter technology depend heavily on the quality of input material as well as the planned use of granules.



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.



To well handle the rigid plastic scraps re-pelletizing job, plastic scrap needs to be in the form of suitable feeding dimension. Cooperated with European shredding/crushing company, ACERETECH can also provide the suitable technology of plastic scrap shredding and crushing.

