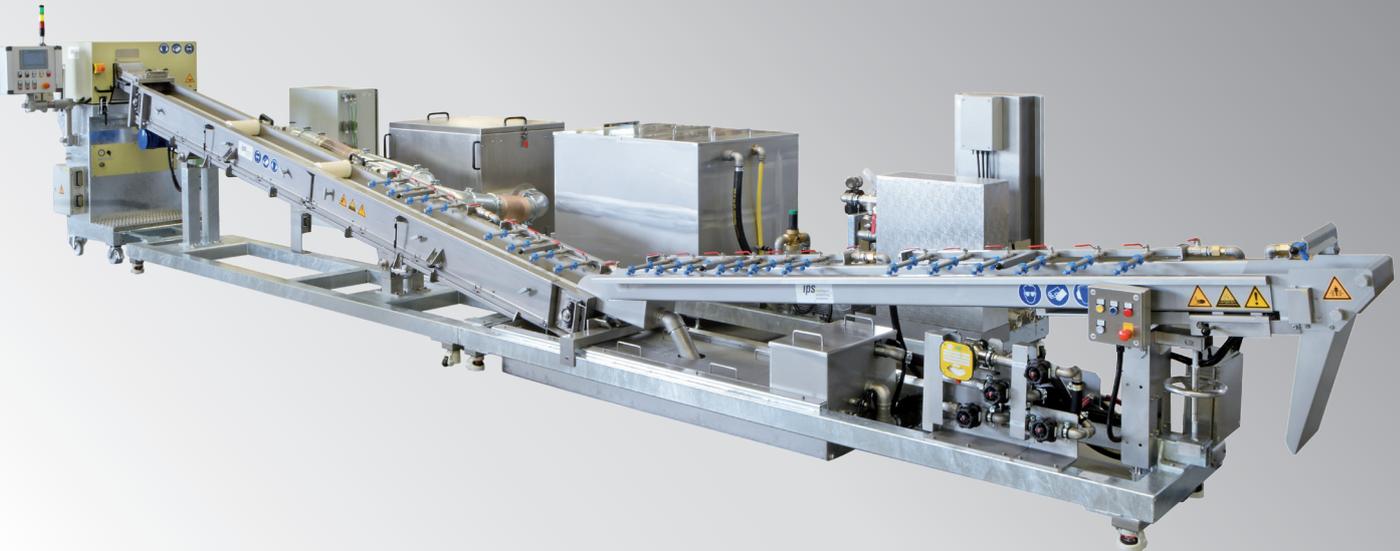


Strand pelletizing system

ips-SGA



Intelligent. Reliable. Productive.

- Particularly easy start-up of the pelletizing process
- Automatic re-threading of the strands in the event of strand breakage
- Variable polymer strand cooling lengths before cutting
- Can be integrated into existing production lines
- Integrated strand dewatering for low residual moisture
- Higher production yield
- Lower staff costs
- Working widths from 120 to 420 mm

Option: Customised adaptation possible

Option: ips-PWS process water system

Option: Adaptation of the cooling section before cutting to customer-specific requirements

Option: Online pellet length adjustment

Option: Operating side left or right

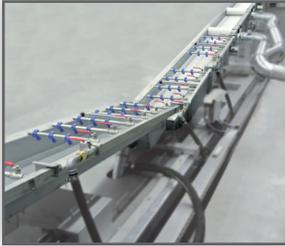
Option: Cutting area cooling

Option: Interface for integration into external control systems

Option: Draw-in speed up to 150 m/min.

Strand pelletizing system ips-SGA

Design details



Strand pelletizer with automatic strand feed



Easy-to-replace process water spray nozzles



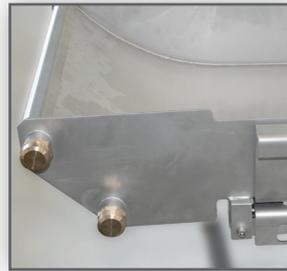
Integrated strand dewatering through the strand conveyor belt



Quick, tool-free access to the strand conveyor belt for maintenance and cleaning



Central control panel



Sophisticated details – round start-up head to prevent the deposit of polymer strands



Easy access to the cutting head for cleaning or maintenance work



Particularly simple and ergonomic operation.
Height adjustment of the start-up head for adaptation to the process conditions

Further design details

- Bearings on both sides of the cutting and draw-in section
- Driven upper feed roller made of steel
- Soundproof design as standard
- Optimum accessibility to the cutting chamber for cleaning and maintenance work
- Compact, robust design
- No electrical components in or on the cutting head
- Easy access to the pneumatic control unit

Strand pelletizing system ips-SGA

ips systems are available with numerous options and accessories.

As your system provider, we support you in selecting the optimum components.

Options & accessories



Process water system with filtration and temperature control



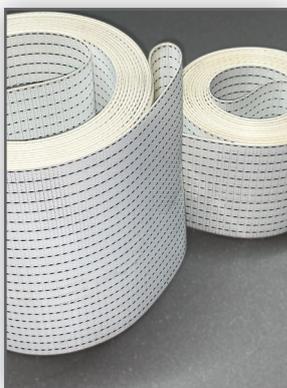
Extraction above the strand cooling chute



Interface for connecting a process data system



Process water pre-separation depending on process requirements



Strand conveyor belts tailored to the process requirements



Cutting tools for all areas of application; cutting rotors made of hardened chromium steel, sintered PM steel or with clamped cutting carbide cutting edges

Throughput data

Size	ips-SGA 120/2	ips-SGA 220/2	ips-SGA 320/2	ips-SGA 420/2
max. throughput (kg/h)	1000	2000	3000	4000

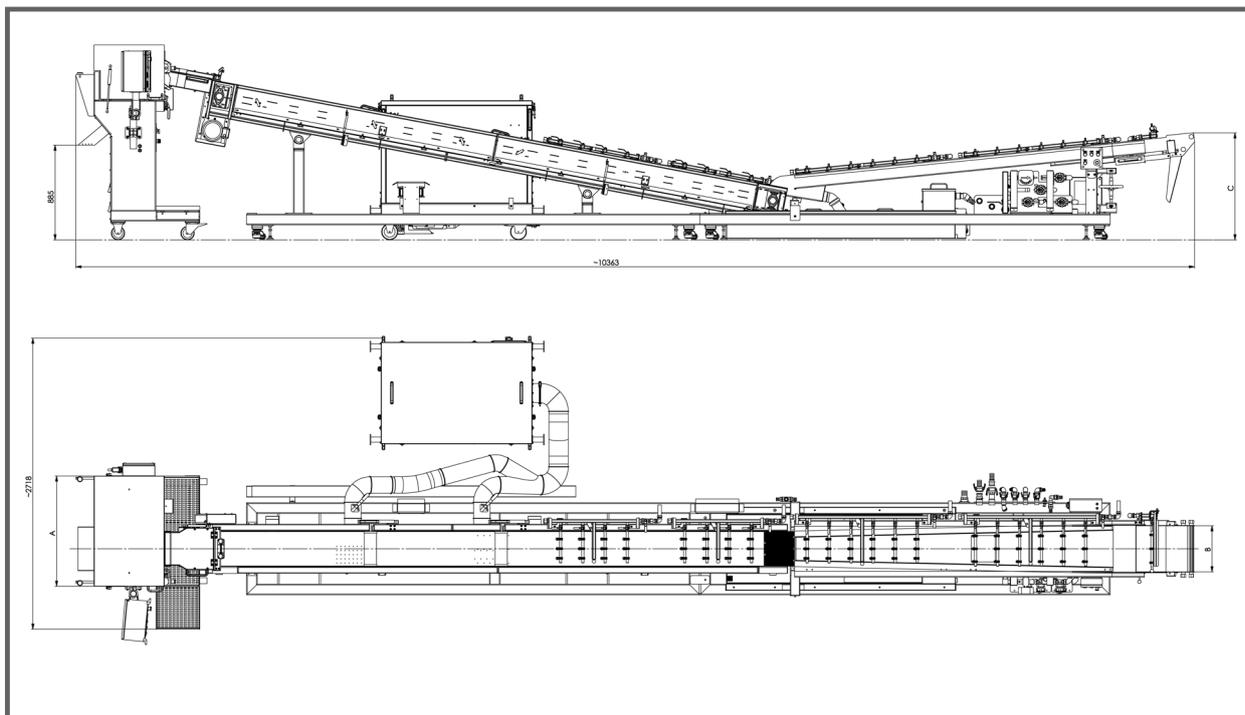
Throughput data depending on:

Polymer, pellet length, pellet diameter, pellet weight, draw-in speed, number of strands, drive power, cooling time before cutting, etc.

Technical data

Size	ips-SGA 120/2	ips-SGA 220/2	ips-SGA 320/2	ips-SGA 420/2
Draw-in and cutting width (mm)	120	220	320	420
Drive unit	Three-phase AC motor with toothed belt drive			
Drive power (kW)	3 – 15	5 – 22	7,5 – 30	11 – 37
Draw-in speed range (m/min) with pellet length 3 mm	50 – 150	50 – 150	50 – 150	50 – 150
Drive for strand dewatering unit motor (kW)	7,5	7,5	15	15
Strand conveyor belt drive (kW)	0,75	0,75	0,75	0,75
Max. number of strands with strand diameter 3.0 mm and 10 mm spacing	13	23	33	43
Other	Standard pellet length: 3 mm or from 2 – 5 mm in steps of 0.5 mm or infinitely adjustable online pellet length setting			

Dimensions



Size	ips-SGA 120/2	ips-SGA 220/2	ips-SGA 320/2	ips-SGA 420/2
A (mm) ca.	930	930	1030	1230
B (mm) ca.	230	330	430	530
C (mm) ca.	950 – 1000	950 – 1000	950 – 1000	950 – 1000

