

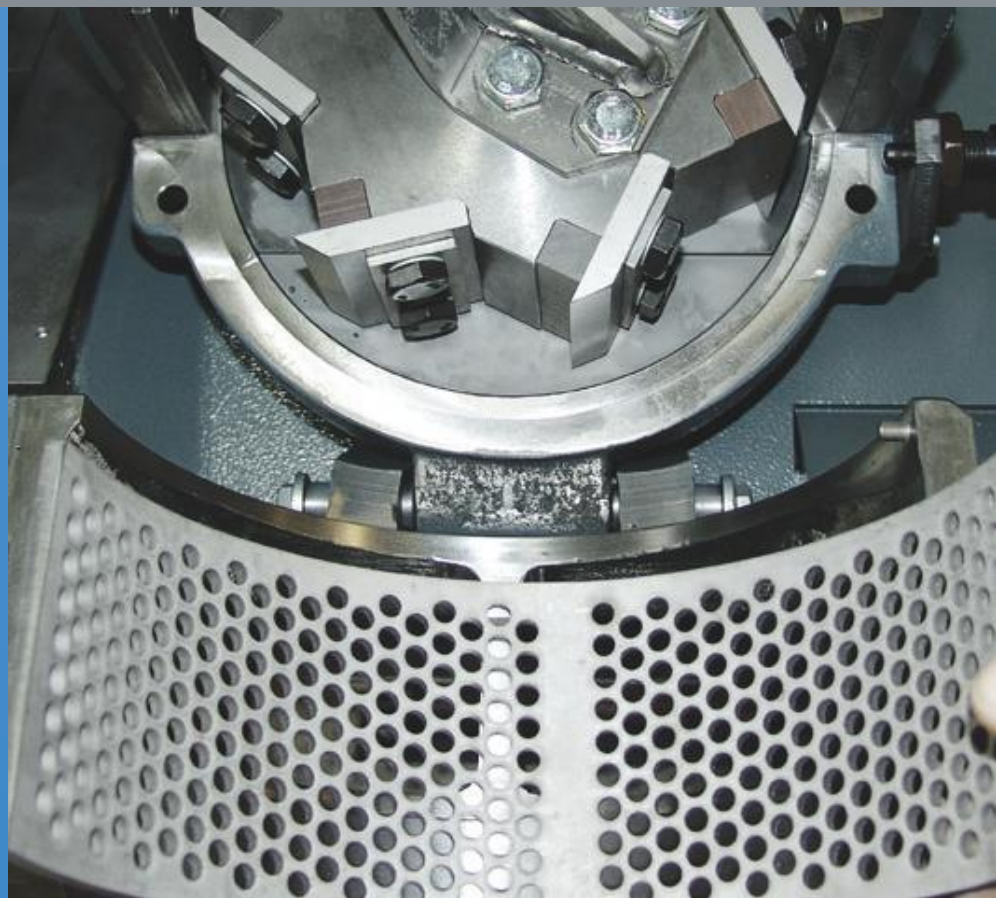


Big power in a small package GETECHA beside-the-press granulators

RS 100
by GETECHA

GRS
by GETECHA

RS 1615
by GETECHA



GETECHA

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Choose the system partner who is also a competent dialogue partner: GETECHA.

For more than five decades, we have been acting as consultants to the plastics processing industry, developing, planning, and manufacturing consistently individual solutions from sprue recovery and automation systems to granulation. We have been supporting many of our customers for a very long time already. We simply feel at home with your challenges.

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RS 100
by GETECHA

Small and compact in high-grade steel

GETECHA's small granulator can be installed directly in the ejection chute of the injection moulding machine. Outstandingly well-suited for granulation of small sprues. Also for laboratory applications.



■ Compact design — saves space

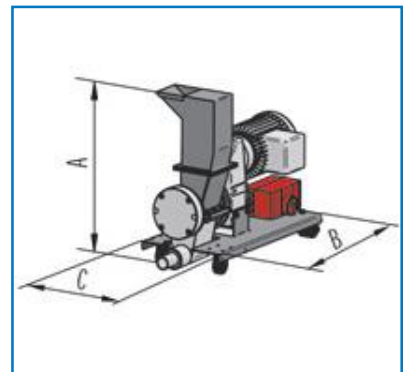
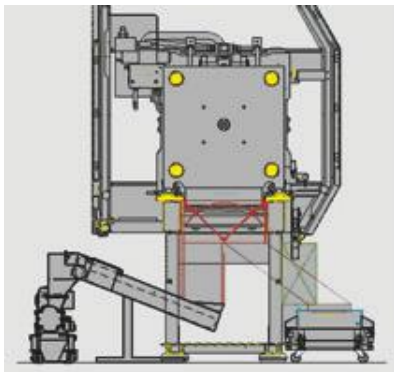
- Small footprint
- Minimal installed height
- So small that it fits in any injection moulding machine

■ Suitable for clean rooms

- Made entirely of high-grade steel
- Sealed grinding chamber
- Suction pipe with O-ring seal

■ Runs virtually maintenance free

- Direct drive with maintenance free geared motor
- No safety limit switch required
- Long service life of blades
- Pre-adjustable stationary blade
- Rotor constitutes a unified whole



	A	B	C
RS 100	500 mm	540 mm	260 mm



GRS 180
by GETECHA



GRS 300
by GETECHA

Better slanted, well-trying thousand fold

Into the large intake and then into the tilted rotor. There every kind of granulate is reliably granulated. The GRS granulators run in peak operation right from the start.



■ Divided cutting chamber

- Easy screen removal
- Cutting chamber opens without tools
- Fast, economical cleaning

■ Nearly insatiable

- Large cutting chamber opening
- Starts when the hopper is full

■ Self-cleaning steel plate

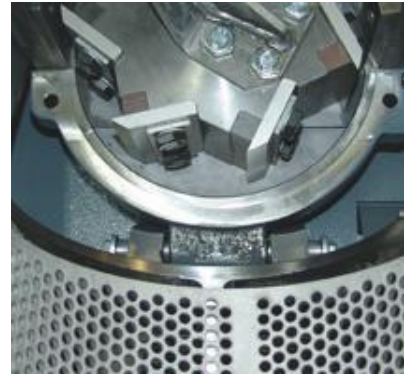
- Low fines
- Wear-proof hardened
- Easy to clean

■ Sophisticated safety engineering

- DIN EN 954-1, Cat. 3

■ By request and nevertheless standard

- Various rotor variants and wear-protection packages available
- Hopper, frame or material container tailored to your production
- Optional water cooling or filling level monitoring



Low built



High built

	A	B	C
GRS 180	1.220 mm	665 mm	710 mm
GRS 300	1.600 mm	900 mm	930 mm

	A	B	C
GRS 180	1.660 mm	665 mm	710 mm
GRS 300	1.960 mm	900 mm	930 mm



RS 1615

by GETECHA

Diversity by request

As unique as the place of use: The granulators can be equipped and adapted individually. For example, with hoppers and material containers depending on the task at hand. It is also possible to realize various drive capacities. Both models are available with standard or high stands.



■ Blades always ready to go

- After sharpening, just install and the cutting gap is correct
- Short maintenance time
- Scissors cut

■ Virtually maintenance free

- Automatic belt tensioner results in
- Optimal power transmission

■ Rotating rotor end plate

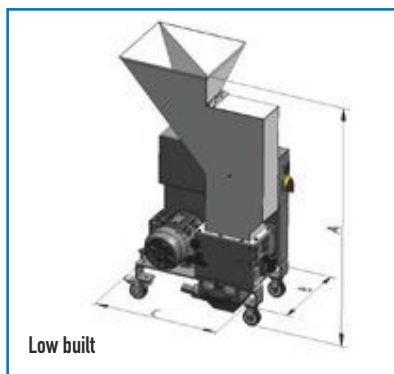
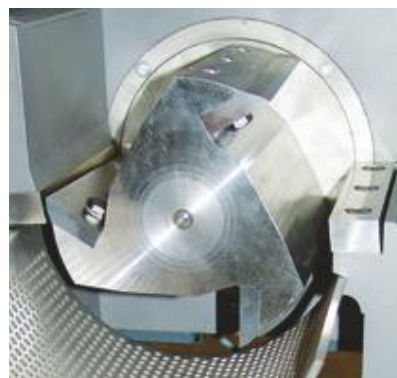
- Seals bearing against dust
- No trapping of material between rotor and housing

■ Very easy to clean

- Entire cutting chamber swings out
- Screen easy to remove
- Optimal accessibility
- No reset or dust-trapping corners

■ Individual features

- Elevated for material containers or sacks
- Installed low for direct suction
- Various drive capacities can be realized
- Can be integrated in your machine



Low built



High built

	A	B	C
RS 1615	1.240 mm	500 mm	650 mm

	A	B	C
RS 1615	1.640 mm	500 mm	650 mm

Technical specifications:

Model RS 100

Rotor cutting diameter	100 mm	
Cutting chamber opening	95 x 95 mm	
Cutting length	100 mm	
Rotor revolution	approx. 160 rpm	
Screeb size, standard	4,5 mm, round	
Throughput	6 kg/h *	
Motor power	0,75 kW	
Electrical connection	400 V, 50 Hz	
Cutting chamber	stainless steel	
Rotor	special tool steel	
Weight	approx. 50 kg	
Painting	RAL 9016, traffic white	

Model RS 1615

Rotor cutting diameter	160 mm	
Cutting chamber opening	150 x 230 mm	
Cutting length	150 mm	
No. of rotary blades	3	
No. of stationary blades	2	
Type of cutting	scissors cut	
Rotor revolution	approx. 240 rpm	
Motor power, standard	1,5 kW	
Screeb size, standard	6 mm, round	
Throughput	max. 25 kg/h *	
Electrical connection	3 x 400 V + N, 50 Hz	
Weight	approx. 200 kg	
Painting	RAL 7035, lightgrey	
	RAL 7011, iron grey	

Model GRS 180 GRS 300

Rotor cutting diameter	180 mm	300 mm
Cutting chamber opening	285 x 200 mm	450 x 335 mm
Cutting length	75 mm	125 mm
No. of rotary blades	7	10
No. of stationary blades	1	2
Type of cutting	scissors cut	scissors cut
Rotor revolution	approx. 270 rpm	approx. 230 rpm
Motor power, standard	2, 2 kW	5,5 kW
Screeb size, standard	6 mm, round	6 mm, round
Throughput	approx. 35 kg/h *	approx. 80 kg/h *
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz
Weight	approx. 200 kg	approx. 500 kg
Painting	RAL 7035, lightgrey	RAL 7035, lightgrey
	RAL 7011, iron grey	RAL 7011, iron grey

* depending on screen size and material



Taking a bite out of plastics

GETECHA central granulators

RS 2400
by GETECHA

RS 3000
by GETECHA

RS 3800
by GETECHA

RS 45000
by GETECHA



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RS 2400
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RS 3000
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Mid-Market with a punch

The mid-sized, ergonomically constructed granulators by GETECHA attain throughputs of up to 500 kg/h in continuous operation depending on the model – whether in injection molding operations or next to blow molding machines. The segmented rotor masters a very wide range of tasks. Quickly granulates even thick-walled materials.



Fast, economical cleaning

- Easy-to-open hopper and grinding chamber
- Quick-release locking devices
- All components easily accessible
- Tool-free screen removal
- Smooth surfaces, machined on all sides

High productivity

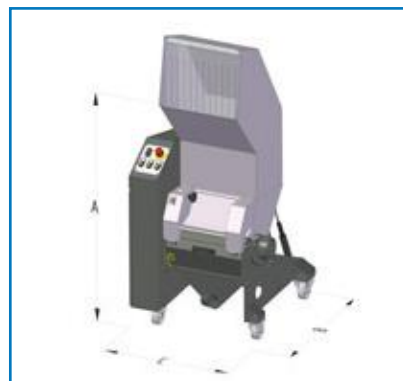
- Continuous throughputs of up to approx. 500 kg/h
- Pre-adjustable blades
- Quick to clean
- Easy maintenance

Reliable in operation

- External rotor bearing with high safety factor
- Continuous cutting circle guarantees consistently good granulate quality
- Optimal distribution of cutting forces thanks to segmented rotor design
- Solid belt pulley for additional centrifugal mass

Individually useable

- Various rotor variants and wear-protection packages available
- Optical display of operational status
- Compact, modular design
- Additional equipment for virtually all types of applications



RS 2400	A	B	C
RS 2402	1.400 mm	890 mm	565 mm
RS 2404	1.400 mm	890 mm	790 mm
RS 2406	1.400 mm	890 mm	1.015 mm

RS 3000	A	B	C
RS 3004	1.620 mm	1.300 mm	1.290 mm
RS 3006	1.620 mm	1.300 mm	1.495 mm
RS 3009	1.780 mm	1.300 mm	1.810 mm



RS 3800

by GETECHA

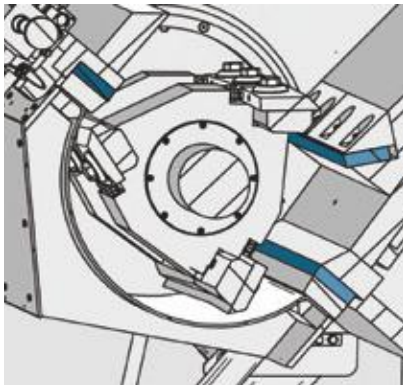


RS 45000

by GETECHA

Devours large volumes quietly

With the aggressive intake zone in the grinding case, seizes even thick-walled stock outages or large hollow shapes reliably; the noise level remains low. High throughput is attained by virtue of the optimal ratio between rotor diameter and width, in conjunction with maximum screen area.



A smart rotor

- Rotor segments are mounted on a steel shaft with couplings
- It is possible to replace individual rotor components
- Segments with opposing blade angles keep the material in the middle of the rotor (v-cut)
- Constant cutting circle diameter guarantees consistent throughput and granulate quality
- Short rotary blades simplify handling when replacing blades
- Unlimited rotor configuration (offset or continuous cut)



Developed on the basis of practical experience

- Hopper opens easily by means of manual hydraulic system
- Very good machine accessibility for cleaning and servicing
- Screen is useable on both sides and can be removed without tools
- Stator blade is mounted against a positive stop



Versatile in use

- Five-blade rotor for higher throughput
- Three stationary blades for thick-walled parts
- Additional flywheel (optional) ensures even more traction
- Wear-protection for abrasive materials



Modular design

- Individual variation of components
- Integrated noise protection
- Blade adjustment gauge included



RS 3800	A	B	C
RS 3806	1.550 mm	1.190 mm	1.290 mm
RS 3809	1.550 mm	1.190 mm	1.605 mm
RS 3812	1.550 mm	1.190 mm	1.920 mm

RS 45000	A	B	C
RS 45060	1.560 mm	1.680 mm	1.190 mm
RS 45090	1.560 mm	1.680 mm	1.490 mm
RS 45120	1.560 mm	1.680 mm	1.790 mm



Projects realized by GETECHA



Injection molding – economical granulation with logistics

Requirements:

Granulation of stock outages from the plastic injection molding shop (200 – 300 kg/h). Feeding of parts and granulation and buffering of the granulate must take place automatically.



Our solution:

The stock outages are conveyed to the RS 3004 granulator via a conveyor belt with a built-in metal detector. The slow-running granulator ensures low noise levels and relatively dust-free granulate, which is separated from the residual dust in the subsequent de-dusting system. A blower transports the granulate to three buffer containers. Filling level gauges keep track of the filling level of the containers, which are controlled by means of pneumatic switches.



Blow molding – granulation of large-volume blow-molded parts with minimal potential output

Requirements:

Granulation of 20-liter canisters and associated tops and tails. The granulator is to be fed both by hand and by conveyor belt. Despite the large-volume parts, a granulator with a small rotor diameter is to be used.



Our solution:

The RS 3004 granulator – configured with a super tangential feed in the cutting chamber and a rotor with displaced rows of blades – granulates the large-volume parts with a rotor diameter of just 300 mm. The displaced blades with the projecting cutting edges seize the canisters and pull them into the rotor, preventing the containers from “dancing around”.



Extrusion – granulation of plates as quietly as possible

Requirements:

Granulation of highly impact-resistant PMMA plates with thicknesses of 5 to 20 mm and a length of 2.200 mm. The granulator will be set up in the vicinity of the workstations and thus must be optimally soundproofed. The granulate is to be filled into octatainers.



Our solution:

The plates are fed into the powerful RS 4509 granulator via a rear plate hopper. A third stationary blade in the intake area supports the granulation of thick-walled plates. The granulate is transported to octatainers via a suction unit. A soundproofing cabinet keeps the noise level low.

Technical specifications:

Model	RS 2402	RS 2404	RS 2406
Rotor cutting diameter	240 mm	240 mm	240 mm
Hopper opening	240 x 395 mm	465 x 395 mm	690 x 395 mm
Cutting chamber opening	240 x 330 mm	465 x 330 mm	690 x 330 mm
Cutting length	226 mm	452 mm	678 mm
No. of rotary blades	3	3 x 2	3 x 3
No. of stationary blades	2	2	2
Type of cutting	scissors cut	scissors cut	scissors cut
Rotor revolution	390 rpm	390 rpm	390 rpm
Motor power, standard	4,0 kW	5,5 kW	7,5 kW
Screen size, standard	8 mm, round	8 mm, round	8 mm, round
Throughput	60 – 100 kg/h*	100 – 160 kg/h*	150 – 220 kg/h*
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz
Model	RS 3004	RS 3006	RS 3009
Rotor cutting diameter	300 mm	300 mm	300 mm
Hopper opening	420 x 400 mm	630 x 400 mm	945 x 400 mm
Cutting chamber opening	425 x 410 mm	640 x 410 mm	955 x 410 mm
Cutting length	410 mm	630 mm	945 mm
No. of rotary blades	3	3 x 2	3 x 3
No. of stationary blades	2	2	2
Type of cutting	scissors cut	scissors cut	scissors cut
Rotor revolution	420 rpm	420 rpm	420 rpm
Motor power, standard	11 kW	15 kW	22 kW
Screen size, standard	8 mm, round	8 mm, round	8 mm, round
Throughput	200 – 360 kg/h *	270 – 450 kg/h *	340 – 540 kg/h *
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz
Model	RS 3806	RS 3809	RS 3812
Rotor cutting diameter	380 mm	380 mm	380 mm
Hopper opening	650 x 500 mm	965 x 500 mm	1.280 x 500 mm
Cutting chamber opening	650 x 505 mm	965 x 505 mm	1.280 x 505 mm
Cutting length	630 mm	945 mm	1.260 mm
No. of rotary blades	3 x 2	3 x 3	3 x 4
No. of stationary blades	2	2	2
Type of cutting	scissors cut	scissors cut	scissors cut
Rotor revolution	420 rpm	420 rpm	500 rpm
Motor power, standard	22 kW	22 kW	30 kW
Screen size, standard	8 mm, round	8 mm, round	8 mm, round
Throughput	600 kg/h *	800 kg/h *	1.100 kg/h *
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz
Model	RS 45060	RS 45090	RS 45120
Rotor cutting diameter	450 mm	450 mm	450 mm
Hopper opening	625 x 620 mm	925 x 620 mm	1.225 x 620 mm
Cutting chamber opening	600 x 540 mm	900 x 540 mm	1.200 x 540 mm
Cutting length	600 mm	900 mm	1.200 mm
No. of rotary blades	3 x 2	3 x 3	3 x 4
No. of stationary blades	2	2	2
Type of cutting	scissors cut	scissors cut	scissors cut
Rotor revolution	420 rpm	420 rpm	420 rpm
Motor power, standard	30 kW	37 kW	45 kW
Screen size, standard	8 mm, round	8 mm, round	8 mm, round
Throughput	700 kg/h *	900 kg/h *	1.200 kg/h *
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz

* depending on screen size and material



Granulation bit by bit GETECHA granulators with infeed devices

RS 2400-E
by GETECHA

RS 3000-E
by GETECHA

RS 3800-E
by GETECHA

RS 45000-E
by GETECHA



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Granulators with Infeed Devices by GETECHA

Automatic scrap web processing systems

Thermoform operations result in scrap web that can constitute up to 50% of the film and entails a tremendous outlay in terms of logistics. Getecha offers you an automatic processing system integrated in the thermoform line. In complete inline systems from extruder to granulator, the granulate is reprocessed immediately.



The proper size is decisive

- Granulator with appropriate-size rotor diameters and widths for every application
- Infeeding of foil at startup
- Draw items in the foil
- Scrap web in the production operation

Reliable in operation

- Continuous cutting circle guarantees consistently good granulate quality
- Generously proportioned access doors for cleaning and servicing
- Infeed device and cutting chamber can be opened without tools very quickly
- Smooth surfaces, machined on all sides

Proven technology

- Pre-adjustable blades, short rotary blades simplify blades replacement
- Stationary blade is mounted against a positive stop
- Tool-free screen replacement
- Segmented scissors cut

Quiet granulation

- Integrated sound insulation
- Granulator unit is isolated from chassis
- Low rotor speed for low dust and noise

Modular design

- 5-blade rotors and a third stationary blade available for even more throughput
- Stock outage hopper for manual feeding (optional)
- Complete systems and accessories available
- Also available in an extremely low version for under the press (UP version)



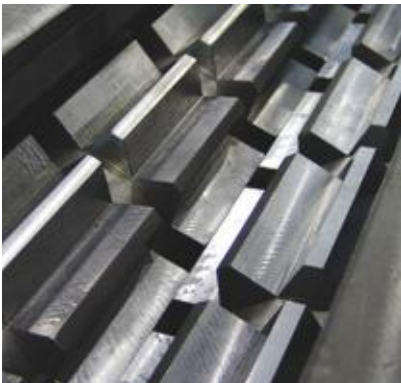
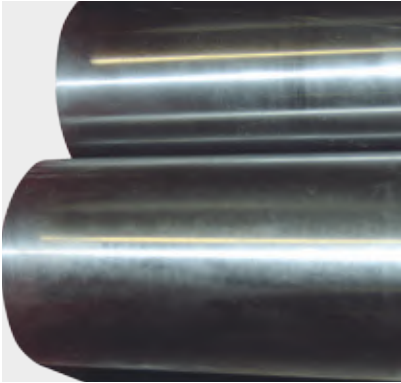
RS 2400-E	A	B	C
RS 2402-E	1.220 mm	1.170 mm	780 mm
RS 2404-E	1.220 mm	1.170 mm	1.000 mm
RS 2406-E	1.220 mm	1.170 mm	1.225 mm
RS 2409-E	1.220 mm	1.170 mm	1.450 mm

RS 3000-E	A	B	C
RS 3004-E	1.120 mm	1.190 mm	1.130 mm
RS 3006-E	1.120 mm	1.190 mm	1.350 mm
RS 3009-E	1.240 mm	1.190 mm	1.660 mm
RS 3012-E	1.320 mm	1.190 mm	1.960 mm
RS 3015-E	1.400 mm	1.260 mm	2.230 mm



Granulation bit by bit

Regardless of whether margin strips, foil, or scrap web with and without deep drawn parts – the right infeed system handles the task with ease. Extremely quiet for thermoforming or foil applications with smooth, knurled or toothed rollers. When integrated in the thermoform line, continuous and adjusted foil feeding is ensured.



Reliable infeed

- Pneumatically dampened dancer keep foil or margin strips taut
- Adjustment to line speed through frequency-controlled infeed
- Adjustable wipers prevent snarling
- Both infeed rollers run synchronously
- Entire infeed device can be folded away from the granulator

Just in case

- Divided infeed systems for margin strips
- Varying infeed heights available for varying molded part depths
- Stock outage hopper available optionally
- Can be integrated in your system

Smooth infeed rollers

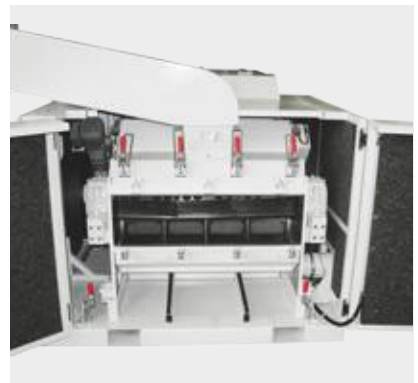
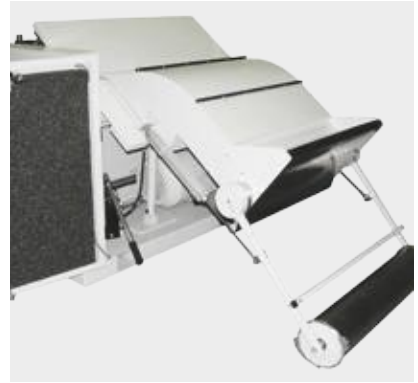
- For foil, scrap web or margin strips
- Small roller diameter for low installed height
- For non-slip foil of any thickness
- Made of case-hardened quality steel

Knurled infeed rollers

- For increased grip if the foil must be pulled out of the thermoforming machine
- For scrap web with extremely narrow webs
- Enlarged rollers for foil with molded parts that have not been blanked out

Toothed infeed rollers

- For foil with extremely rugged moulded parts that have not been blanked out
- For moulded parts in the foil with extremely large draw depth



RS 3800-E	A	B	C
RS 3806-E	1.360 mm	1.240 mm	1.290 mm
RS 3809-E	1.360 mm	1.240 mm	1.605 mm
RS 3812-E	1.360 mm	1.240 mm	1.920 mm
RS 3815-E	1.360 mm	1.240 mm	2.235 mm

RS 45000-E	A	B	C
RS 45060-E	1.550 mm	2.000 mm	1.430 mm
RS 45090-E	1.550 mm	2.000 mm	1.730 mm
RS 45120-E	1.550 mm	2.000 mm	2.030 mm
RS 45150-E	1.550 mm	2.000 mm	2.130 mm



In-line granulation – with maximum performance

Requirements:

Granulation of scrap web with a width of 800 mm and thicknesses of up to 3 mm and more. With the thermoforming machine at standstill, the foil is drawn out of the extruder past the machine into the infeed device and granulated. In this mode of operation, a throughput of 1,200 kg/h is required. The foil is transported by the infeed device of the granulator. The roller infeed device must deal with large draw depths of molded parts in the foil in conjunction large foil thicknesses when the thermoforming machine is started up. It must be possible to feed in stock outages during production.



Our solution:

Our powerful RS 4509 granulator, equipped with a 5-knife rotor and a third bed knife is ideally suited to this task. A high feed hopper and an enlarged infeed device with toothed rollers ensure that the parts with a large draw depth are reliably drawn into the granulator. A second pressure circuit, in conjunction with an amplified floating roller control system, is responsible for pulling the foil over and past the thermoforming machine. The switchover to the second pressure circuit takes place automatically via a signal from the thermoformer. Stock outages can be feed in by hand via an additional hopper.



In-line granulation – from all sides!

Requirements:

In-line granulation of two margin strips with the possibility of simultaneous infeeding of start-up foil. The A-PET margin strips are up to 254 mm wide and 1.52 mm thick. Granulation of the margin strips has priority over the start-up foil.

Our solution:

The margin strips are drawn into the RS 4509 granulator by two adjacent infeed systems. The infeed devices, equipped with knurled rollers, reliably pull in the margin strips from the line into the cutting chamber. The infeed speed of the margin strips is synchronized with the extrusion line by means of setpoint setting. The start-up foil is fed into the granulator via a third infeed device on the rear of the granulator. This infeed device is equipped with a load-dependent control system. In the event of overloading of the granulator motor, the rear infeed device is stopped and restarts automatically when the prescribed value has returned to normal. The margin strip infeed devices continue to run.



Technical specifications:

Model	RS 2402-E	RS 2404-E	RS 2406-E	RS 2409-E	
Rotor cutting diameter	240 mm	240 mm	240 mm	240 mm	
Infeed opening	210 x 50 mm	400 x 50 mm	640 x 50 mm	900 x 50 mm	
Cutting length	226 mm	452 mm	678 mm	904 mm	
No. of rotary blades	3	3 x 2	3 x 3	3 x 4	
No. of stationary blades	2	2	2	2	
Type of cutting	scissors cut	scissors cut	scissors cut	scissors cut	
Rotor revolution	390 rpm	390 rpm	390 rpm	460 rpm	
Motor power, standard	4,0 kW	5,5 kW	7,5 kW	11 kW	
Screen size, standard	7 mm, round	7 mm, round	7 mm, round	7 mm, round	
Throughput short term	100 kg/h *	160 kg/h *	230 kg/h *	300 kg/h *	
Throughput permanent	60 kg/h *	100 kg/h *	150 kg/h *	200 kg/h *	
Model	RS 3004-E	RS 3006-E	RS 3009-E	RS 3012-E	RS 3015-E
Rotor cutting diameter	300 mm	300 mm	300 mm	300 mm	300 mm
Infeed opening	400 x 50 mm	635 x 50 mm	920 x 50 mm	1.220 x 50 mm	1.550 x 50 mm
Cutting length	410 mm	630 mm	945 mm	1.260 mm	1.575 mm
No. of rotary blades	3	3 x 2	3 x 3	3 x 4	3 x 5
No. of stationary blades	2	2	2	2	2
Type of cutting	scissors cut	scissors cut	scissors cut	scissors cut	scissors cut
Rotor revolution	420 rpm	420 rpm	420 rpm	420 rpm	420 rpm
Motor power, standard	11 kW	15 kW	22 kW	22 kW	30 kW
Screen size, standard	8 mm, round	8 mm, round	8 mm, round	8 mm, round	8 mm, round
Throughput short term	240 kg/h *	400 kg/h *	600 kg/h *	800 kg/h *	1.000 kg/h *
Throughput permanent	120 kg/h *	200 kg/h *	400 kg/h *	500 kg/h *	625 kg/h *
Model	RS 3806-E	RS 3809-E	RS 3812-E	RS 3815-E	
Rotor cutting diameter	380 mm	380 mm	380 mm	380 mm	
Infeed opening	635 x 70 mm	920 x 70 mm	1.220 x 70 mm	1.550 x 70 mm	
Cutting length	630 mm	945 mm	1.260 mm	1.575 mm	
No. of rotary blades	3 x 2	3 x 3	3 x 4	3 x 5	
No. of stationary blades	3	3	3	3	
Type of cutting	scissors cut	scissors cut	scissors cut	scissors cut	
Rotor revolution	420 rpm	420 rpm	420 rpm	420 rpm	
Motor power, standard	22 kW	22 kW	30 kW	37 kW	
Screen size, standard	8 mm, round	8 mm, round	8 mm, round	8 mm, round	
Throughput short term	500 kg/h *	750 kg/h *	1.000 kg/h *	1.300 kg/h *	
Throughput permanent	300 kg/h *	500 kg/h *	650 kg/h *	850 kg/h *	
Model	RS 45060-E	RS 45090-E	RS 45120-E	RS 45150-E	
Rotor cutting diameter	450 mm	450 mm	450 mm	450 mm	
Infeed opening	580 x 70 mm	880 x 70 mm	1.180 x 70 mm	1.480 x 70 mm	
Cutting length	600 mm	900 mm	1.200 mm	1.500 mm	
No. of rotary blades	3 x 2	3 x 3	3 x 4	3 x 5	
No. of stationary blades	3	3	3	3	
Type of cutting	scissors cut	scissors cut	scissors cut	scissors cut	
Rotor revolution	420 rpm	420 rpm	420 rpm	420 rpm	
Motor power, standard	30 kW	37 kW	45 kW	55 kW	
Screen size, standard	8 mm, round	8 mm, round	8 mm, round	8 mm, round	
Throughput short term	600 kg/h *	900 kg/h *	1.200 kg/h *	1.500 kg/h *	
Throughput permanent	450 kg/h *	600 kg/h *	800 kg/h *	1.000 kg/h *	

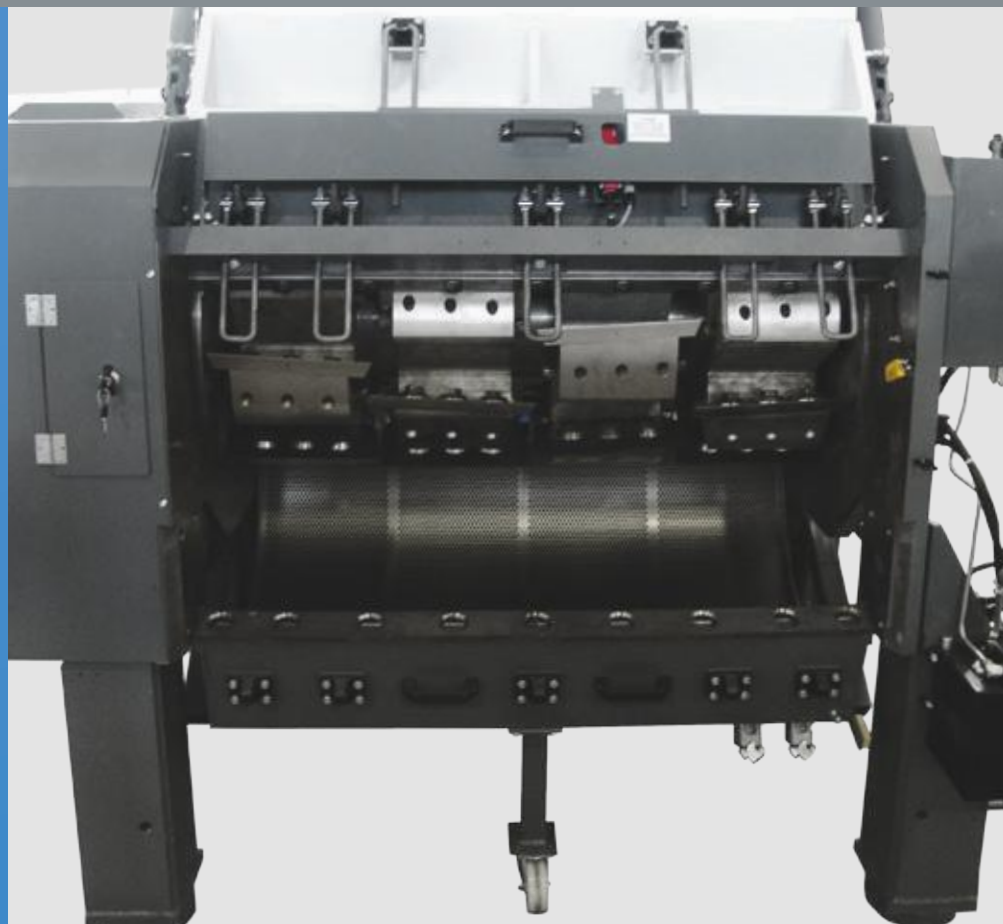
* depending on screen size and material



Throughput of a thousand kilos and more GETECHA heavy-duty granulators

RS 6000
by GETECHA

RS 8000
by GETECHA



Choose the system partner who is also a competent dialogue partner: GETECHA.

For more than five decades, we have been acting as consultants to the plastics processing industry, developing, planning, and manufacturing consistently individual solutions from sprue recovery and automation systems to granulation. We have been supporting many of our customers for a very long time already. We simply feel at home with your challenges.

Individualität ist unser Standard.



RS 6000
by GETECHA

True greatness, tailor-made

The successful central granulator for all areas of plastic granulation. Unbeatable when it comes to granulation of large parts in the injection and blow-molding sector. Makes short work of scrap web rolls, extruded plates, bumpers, thick-walled pipes or extruder scrap.



Designed for practical use

- Rugged, smooth-running, heavy-duty segmented rotor
- Rotor segments mounted on shaft with couplings, permits replacement of individual components
- Optimized airflow minimizes noise level and heat build-up
- Well-proven special rotors for various tasks

Reliable productivity

- Solid belt pulley for additional centrifugal mass
- Continuous cutting circle guarantees consistently good granulate quality
- External rotor bearing with high safety factor
- Optical display of operational status

Economical in use

- Hopper and suction tub open easily by means of hydraulic cylinders
- Minimal cleaning and maintenance time by virtue of pre-adjustable rotary blades
- Screen cradle can be rolled completely out of the machine
- Optimal machine accessibility

Tailored to your production

- Modular design for individual adaptation
- Various rotor variants and wear-protection packages available
- Integrated noise protection
- Complete systems and accessories available
- Integration in existing systems possible



RS 6000	A	B	C
RS 6006	2.360 mm	1.900 mm	1.230 mm
RS 6009	2.360 mm	1.900 mm	1.530 mm
RS 6012	2.490 mm	1.900 mm	1.830 mm
RS 6015	2.490 mm	1.900 mm	2.130 mm



RS 8000
by GETECHA

Even more of everything, for everything

The biggest of the big. When tonnage is what counts, the RS 8000 is the granulator of choice. Equipped with an automatic feed system and granulate transport, it becomes a high-performance granulating center. A high level of the automation simplifies maintenance and ensures high economy.

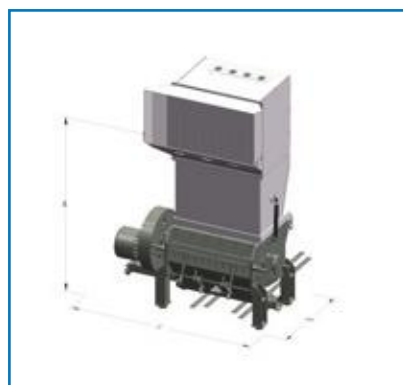


- **"Want to go a number higher?"**
 - Segmented frame rotor ensures optimal distribution of cutting forces, ideal intake behavior and a low noise-level
 - Thick-walled stock outages and hollow shapes are seized flawlessly

- **Easy to clean**
 - Hopper and screen cradle open and close hydraulically at the press of a button
 - Very good machine accessibility for cleaning and servicing
 - Short rotary blades simplify handling when replacing blades

- **Reliable in operation**
 - Smooth drive motor start to avoid current peaks
 - Solid belt pulley ensures even more traction
 - Rotor bearings positioned outside of the grinding chamber
 - Continuous cutting circle guarantees consistently good granulate quality

- **Individual features**
 - Special rotors for a very wide variety of granulation tasks
 - Rugged but nevertheless flexible by virtue of modular design
 - Complete systems and accessories available



RS 8000	A	B	C
RS 8012	2.980 mm	2.075 mm	3.270 mm
RS 8015	3.150 mm	2.075 mm	3.570 mm
RS 8018	3.780 mm	2.520 mm	3.900 mm



Projects realized by GETECHA



Granulation of blow-molded forms made of highly viscous and sticky plastic

Requirements:

Granulation of fuel containers, flash and starting tubes made of CO-EX. The temperature of the material that is to be granulated exceeds 150 °C, i.e., the plastic is highly viscous and sticky. When designing the granulator, it is a matter of ensuring sufficient capacity in terms of throughput so that nothing sticks inside the grinding chamber. For storage, the granulate must be cooled to at least 80 °C in order to avoid melting together here, as well.

Our solution:

A slow-running conveyor belt, equipped with a heat-resistant belt and a metal-detector tunnel, conveys the containers into the tall hopper of the RS 6012 granulator. An open three-blade rotor ensures that the containers are seized securely. Water cooling on the rear wall of the grinding chamber, ventilation of the hopper and a powerful evacuation blower prevent melting together of the plastic during the grinding process. The granulate is cooled via a cooling and de-dusting tower, checked for metal contamination, de-dusted and filled into a silo. Extensive safety technology, such as hopper monitoring, overload control and filling level controls, ensures trouble-free operation.



Extrusion – Granulation of long pipes

Requirements:

Granulation of PVC pipes with a length of up to 6,000 mm, wall thickness of 15 mm and diameter of 500 mm. Additionally, PP/PE pipes with a wall thickness of 10 mm and diameter of up to 300 mm are encountered. The granulator is set up in a basement room. The system is fed both from inside the basement by conveyor belt as well as via a bypass hopper with an opening on the production level. Plans call for filling the granulate into big bags on the production level.

Our solution:

The 6000 mm-long pipes are fed via the bypass hopper to the RS 609 granulator, which is equipped with a 75 kW motor and an open, reinforced three-blade rotor. The hopper directly at the granulator is equipped with an opening for feeding by conveyor belt and a maintenance hatch. A powerful transport blower conveys the granulate to the big bag filling station on the production level.



Technical specifications:

Model	RS 6006	RS 6009	RS 6012	RS 6015
Rotor cutting diameter	600 mm	600 mm	600 mm	600 mm
Hopper opening	625 x 830 mm	925 x 830 mm	1.225 x 830 mm	1.525 x 830 mm
Cutting chamber opening	600 x 795 mm	900 x 795 mm	1.200 x 795 mm	1.500 x 795 mm
Cutting length	600 mm	900 mm	1.200 mm	1.500 mm
No. of rotary blades	3 x 2	3 x 3	3 x 4	3 x 5
No. of stationary blades	2	2	2	2
Type of cutting	scissors cut	scissors cut	scissors cut	scissors cut
Rotor revolution	400 rpm	400 rpm	400 rpm	400 rpm
Motor power, standard	45 kW	55 kW	75 kW	75 kW
Screen size, standard	8 mm, round	8 mm, round	8 mm, round	8 mm, round
Throughput	600 – 1.000 kg/h *	600 – 1.500 kg/h *	800 – 2.000 kg/h *	1.000 – 2.500 kg/h *
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz
Painting	RAL 7035, lightgrey RAL 7011, iron grey	RAL 7035, lightgrey RAL 7011, iron grey	RAL 7035, lightgrey RAL 7011, iron grey	RAL 7035, lightgrey RAL 7011, iron grey
Model	RS 8012	RS 8015	RS 8018	
Rotor cutting diameter	800 mm	800 mm	890 mm	
Hopper opening	1.225 x 1.175 mm	1.525 x 1.175 mm	2.400 mm x 1.110 mm	
Cutting chamber opening	1.200 x 950 mm	1.500 x 950 mm	1.800 mm x 950 mm	
Cutting length	1.200 mm	1.500 mm	1.800 mm	
No. of rotary blades	3 x 4	3 x 5	3 x 6	
No. of stationary blades	2	2	2	
Type of cutting	scissors cut	scissors cut	scissors cut	
Rotor revolution	400 rpm	400 rpm	400 rpm	
Motor power, standard	110 kW	110 kW	132 kW	
Screen size, standard	8 mm, round	8 mm, round	8 mm, round	
Throughput	1.000 – 2.500 kg/h *	1.500 – 3.000 kg/h *	2.000 – 3.660 kg/h *	
Electrical connection	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	3 x 400 V + N, 50 Hz	
Painting	RAL 7035, lightgrey RAL 7011, iron grey	RAL 7035, lightgrey RAL 7011, iron grey	RAL 7035, lightgrey RAL 7011, iron grey	

* depending on screen size and material



Granulation

Beside-the-press granulators
Central Granulators
Heavy-Duty Granulators



Automation

Sprue removal
Handling systems
Special automation solutions



Technical installations

Development
Manufacturing
Start of operation

GETECHA granulators granulate plastics and return them to the production cycle. The granulators can be expanded into stand-alone recycling systems.

GETECHA realizes tailor-made, turnkey automation systems right around injection moulding machines. They are your one-stop source for development, manufacturing, service and training.

GETECHA have a worldwide sales and service network at their disposal. We guarantee fast, uncomplicated support.



GETECHA GmbH

Am Gemeindegarten 13
D-63741 Aschaffenburg
Fon +49 (0) 60 21.84 00-0
Fax +49 (0) 60 21.84 00-35
E-Mail info@getecha.de
www.getecha.de

GETECHA Inc.

2914 Business One Drive
Kalamazoo, MI 49048, USA
Fon +1 269.373-8896
Fax +1 269.344-7844
E-Mail sales@getechaUS.com
www.getechaUS.com

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