Optional parts (examples of the options for GRANCUTTER/GRANMIXER)



*The size and shapes are customizable on the listed auxiliary chute, suction tank, paper-bag frame, and hopper. %Inquire for other optional parts.

*The sample cut service is available for your sprues and runners. Contact our representative for details.



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* This brochure is subject to change without notice

Not a Crusher, But a Gran-Cutter Gran-Cutter & Mixer SPCI/SPCI·S/GMI·t/GMI·St/MBIt



with New Cartridged Teeth

SPC2/GM2/MB2-06AE 18042KP



Revolutionary Gran-Cutter reduces your plastic material cost.

PAT



"Not a crusher, but a Gran-Cutter" HARMO's Gran-Cutter is a revolutionary re-pelleting machine to cut the fed runners and sprues into granules as small as virgin materials by using our unique swing press cutting system patented in nine countries. Gran-Cutter can revive the materials which used to be thrown away.

The difference is just like night and day! **SPCII Gran-Cutter cuts the fed sprues into** cylindrical granules - not crushing into pieces!



To customers who have never used a Gran-Cutter

Comparing with a crusher

Evenly-sized granules

The patented "Swing-Press Cutting System" can regrind runners and sprues into evenly-sized granules.

Very little dust

Since the cut sprues and runners does not pass through the blades again. clean cut with a single swing action can minimize dust, static electricity, and heat generation.

Very few miscuts

Gran-Cutter has the mechanism to cut the sprues and the runners into the certain size (as small as the virgin pellets) and is free from mis-cut (no screen).

Very quiet

Gran-Cutter does not make unnecessary movements, the operation is very quite.

Easy to clean

The regrind materials do not stick to the inner wall of the machine, because static electricity is kept minimum. The doors can open widely downward to provide easy access of the inside and reduce the cleaning time (5 to 7 minutes).

Not a Crusher, But a Gran-Cutter

No more wasting the materials! The thrown-away sprues reborn as reusable materials.

xamples of hard materials





PA (Nylon 20% glass filler)



ABS (Acrylonitrile butadiene styrene)







TPE (Thermoplastic elastomer)

Never-Before-Seen Swing Press Cut System! The SPCII-S series Gran-Cutter can cut soft-type resin sprues and runners, PAT.

runners, which are thicker than the height of the blades (see the figure 1), the sprues and the runners come out in comb-shape. The comb-shaped pieces tend to remain on the fixed blade and block the repeatedly and shave the remained sprues into dust.

Gran-Cutter. The recycled PP or PU were far from being satisfactory either.

cut the fed sprues and runners.

Picture 1 Rotating Cutte Press Cutter Press Stationary Cutte



PUR (Polyurethane)

PE (Polvethylene

GRAN CUTTER SPCI Series (Gran-Cutter)

with New Cartridged Teeth (excluding the model 1500)

The press cutter is now replaceable at your own site with the teeth cartridge!!



Your unit can be modified into the cartridge type, only by replacing the following parts.

SPCII-200 / 200S / 400 / 400S / 750 / 750S Available Model GMII-200t / 200St / 400t / 400St / 750t / 750St

Replaceable Blades

Hard	$ \blacklozenge $	Hard	0
Hard	$ \Longleftrightarrow $	Small	0
Small	+	Small	0
Soft	+	Soft	0
Hard	$ \Longleftrightarrow $	Soft	×
Soft	$ \Longleftrightarrow $	Small	×



Replace these parts to change your unit to the cartridge type.



SPCII-C200 / SPCII-C200S 439 Model SPCII-C200/SPCII-C200S 内120 内120 3-phase 200VAC (50/60Hz) 125 Power Motor Output 0.2kw-3P ϕ 98mm diam, 4pcs Rotary Cutters 37.5rpm/50Hz 45rpm/60Hz 2.1mm×3.5mm 23 pieces 2.8mm×4.5mm 19 pieces (S type) Press Moving Cutter 75 cycles/min (50Hz) 90 cycles/min (60Hz) Hopper Mouth 120mm×120mm **Cuttable Sprue** φ6 mm or smaller Diameter 376 Processing %30~40g/min Capacity Material Tank 6l(Approx. 3Kg) Volume vel gaug 60kg Weight (S type:65kg) 00 * The processing capacity is the measured value when cutting sprues; PA glass with 20% glass fiber, with φ50 Stopper 6mm-max diameter, 4g-weight, 304 * The processing capacity is the measured value when cutting sprues; 348 TPE, 6mm diameter,3g-weight. (S type)

SPCII-C400 / SPCII-C400S



SPCII-C750 / SPCII-C750S

Model	SPCII-C750/SPCII-C750S		
Power	3-phase 200VAC (50/60Hz)		
Motor Output	0.75kw-3P		
Rotary Cutters	φ 176mm diam, 3pcs 37.5rpm/50Hz 45rpm/60Hz	E	
Press Moving Cutter	2.8mm×4.5mm 40 pieces 112.5 cycles/min (50Hz) 135 cycles/min (60Hz)		
Hopper Mouth	246mm×285mm	ſ	
Cuttable Sprue Diameter	φ8 mm or smaller		
Processing Capacity	*150~200g/min	L	
Material Tank Volume	18ℓ(Approx. 9Kg)		
Weight	149kg (S type:154kg)		
** The processing measured value PA glass with 2 6mm-max diame ** The processing measured value TPE. 6mm diam	g capacity is the when cutting sprues; 20% glass fiber, ter, 4g-weight. g capacity is the when cutting sprues; heter 3g-weight. (S true)	evel auge	
* The CE-compliant models are available.			
= •••••			

SPCII-1500 / SPCII-1500S











GRAN MIXER GMII-t Series (Mixer)

Instantly Mixing Virgin Materials with Granulated Materials!! with New Cartridged Teeth

GMII-t Series Layout



Upgraded and much easier to use [GMI/MBI series]



The motor mounted on the frame eliminates the hassles for removing the motors while cleaning.



The touch panel and the buzzer alert you when the bin is full. The machine can out-feed the surplus materials to the incluced container.

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(GMII only)

GM I -C750t

The equipped touch panel and buzzer alert

you when Gran-Mixer stops with an error.

disassemble and clean without any tools.

The mixture tank stores both the virgin and

the recycled materials. Any wings or blades

It is easy to change the materials.

The inside of Gran Mixer is easy to

are not necessary for further mixing.

The measuring procedures are much easier now with the improved mixing screw unit.

The measuring procedure for mixing is drastically improved compared to the previous unit. The lid on the mixing tank can serve as a table to put the included



measuring cups. The screw automatically stops by the timer during measurement.

Finger-tip operations with the touch panel

- ①Measure the virgin pellet (V) and the granules (R) with the measuring cup. Repeat for a few times and enter the measurements. The unit starts to run the reference measurement.
- (2) The unit automatically calculates and saves the average of the reference measurements, and then transfers the average value.
- ③Enter the molding criteria. The unit automatically configures the number of screw rotations.
- () The unit compensates the difference between the actual measurements and the provisional calculations.





GMII-C200t / GMII-C200St · GMII-C400t / GMII-C400St · GMII-C750t / GMII-C750St

Model	GMII-C200t/GMII-C200St	GMII-C400t/GMII-C400St	GMII-C750t/GMII-C750St
Power	3-phase 200VAC (50/60Hz)	3-phase 200VAC (50/60Hz)	3-phase 200VAC (50/60Hz)
Motor Output	0.2 kw-grounding 3P	0.4 kw-grounding 3P	0.75 kw-grounding 3P
Rotary Cutters	φ98mm 4 pieces 37.5 rpm/50Hz 45rpm/60Hz	φ130mm 4 pieces 37.5 rpm/50Hz 45rpm/60Hz	φ176mm 3 pieces 37.5 rpm/50Hz 45rpm/60Hz
Press Moving Cutter	2.1 mm× 3.5 mm 23 pieces 2.8 mm× 4.5 mm 19 pieces (S type) 75 cycles/min (50Hz) 90 cycles/min (60Hz)	2.8mm×4.5mm 26 pieces 112.5 cycles/min (50Hz) 135 cycles/min (60Hz)	2.8mm×4.5mm 40 pieces 112.5 cycles/min (50Hz) 135 cycles/min (60Hz)
Hopper Mouth	120mm×120mm	162mm×200mm	246mm×285mm
Cuttable Sprue Diameter	φ6 mm or smaller	φ8 mm or smaller	φ8 mm or smaller
Processing Capacity	*30~40g/min	%90~120g/min	%150~200g/min
Material Tank Capacity	50ℓ(Approx. 25Kg)	50ℓ(Approx. 25Kg)	50ℓ(Approx. 25Kg)
Granule Tank Capacity	8ℓ(Approx. 4.0kg)	8l(Approx. 4.0kg)	8ℓ(Approx. 4.0kg)
Mixing Tank Capacity	7ℓ(Approx. 3.5kg)	7ℓ(Approx. 3.5kg)	7ℓ(Approx. 3.5kg)
Weight	109kg(S type:114kg)	141kg(S type:146kg)	188kg(S type:193kg)

* The processing capacity is the measured value when cutting sprues; PA glass with 20% glass fiber, 6mm-max diameter, 4g-weight. * The processing capacity is the measured value when cutting sprues; TPE, 6mm diameter, 3g-weight. (S type)



Mixer MBIIt Mixers



*(1): GMI-C200t/GMI-C200st (2): GMI-C400t/GMI-C400st (3): GMI-C750t/GMI-C750st