

Press release

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Enclosed

1 color-picture
size 8,1 in x 4,5 in

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Sales Bulletin #3

Re: Labor Saving Ram Feed Pipe Granulator Series "SR"

To: All Field Representatives and Internal Distribution List

We are proud to announce the introduction of a new heavy duty series granulator for recycling PVC & PE pipes up to 6000 mm in length, 900 mm diameter, and wall thickness' up to 75 mm. Smaller size pipes can be stacked on top of, or inside larger pipes to facilitate higher throughput. (This series of granulators can also accommodate unusually thick purgings.)

These are the only granulators on today's market capable of accomplishing such a rugged application. Until now, pipe manufacturers had no choice but to manually saw large diameter pipe or pre-size the pipe by utilizing a low speed shredder resulting in additional expense & labor. Sawing the pipe increases the possibilities of personal injuries.

Unique to the "SR" series is a horizontal feed channel, that contains the pipe and meters the infeed into the granulators rotor. This is a very important feature because it eliminates the need for pit installation or an elevated platform for feeding pipe through a side chute. These are the only solutions offered by other manufacturers utilizing standard designed feed hoppers. Pits are expensive and scaffolding is dangerous!!!

The heart of the "SR" granulator is a solid drum type rotor having either 4, 5, 6, 7, 8, 9 or 10 blades which cut against 2 or 3 stationary knives. The number of knives depends on the application. The rotor is powered by a single drive motor via V-belts and a extra heavy duty solid flywheel. On the opposite end of the rotor, another heavy solid flywheel evens out the shock load and provides added inertia. (Semi-Closed heavy duty rotors are also available for certain applications when heat sensitive materials are being processed and may be problematic).

The horizontal feed channel (all welded steel construction) utilizes a heavy steel plate as a ram device to push the pipes forward into the granulator rotor. This plate (ram)is driven via rollers, hard faced gears, thick braided cable, and a 3 kw gear motor. Chain or belts aren't used as a precaution to prevent against reduction in power transmission caused by stretching. A high amperage detection circuit automatically relieves the ram pressure if the granulators motor reaches a pre-determined set point and re-starts automatically when the granulator amps fall below the "red zone". The free standing control console equipped with all necessary controls to operate in either manual or automatic mode, includes lighted push buttons, sequential start, key-lock safety, amperage meter, and emergency

stop, all are clearly labeled to prevent operator error. The panel is dust sealed and is built according to Certified European Electrical Codes.

The granulator is equipped with the same standard features contained in all Neue Herbold granulators;

- solid steel welded fabrication,
- easy and safe access for clean out and maintenance,
- outboard mounted bearings.
- double cross cutting action of the knives.

Depending on the specific rotor used, the rotor and stator knives on the „SR“ series granulators are preadjusted outside the granulator using a knife adjustment fixture which is provided with the machine. The hopper and screen chamber open and close via electrically operated hydraulic cylinders for ease maintenance.

Sequence of operation:

The scrap pipe(s) is loaded into the channel via overhead crane or fork truck. The hydraulically operated cover closes energizing safety limit switches wired in series. Upon confirmation, the slide gate located at the end of the channel and in front of the rotor opens, the ram starts forward pushing the pipe(s) into the path of the granulator's rotating knives. Once the ram reaches the end of the channel, again confirmed by another limit switch, the ram retracts to its original position, the slide closes and the channel cover opens to accept the next pipe(s). Meanwhile the grinder rotor and blower continue to operate to prevent jamming or stalling.

We currently offer four model "SR" systems with specifications as follows:

Model	SR 600/600	SR 800/600	SR 1200/800	SR 1600/1200
Cutting Chamber	600x600 mm	800x600 mm	1200x800 mm	1600x1200 mm
Channel Dimensions	510 mm	585 mm	765 mm	990 mm
Rotor Knives	4-8	5-10	4-9	5-10
Stator Knives	2	2	3	3
Cutting Circle Diameter	600 mm	800 mm	1200 mm	1600 mm
Motor drive	75 kw	110 kw	250 kw	300 kw

