

A low cost alternative to conventional size reduction equipment

Transforms purgings into high-quality regrind but costs substantially less than conventional equipment.

- **Pneumatic / Hydraulic drive system (patent pending)**
Air-over-hydraulic shock absorbing drive system prevents jams
- **Easy access containment chamber**
For easy loading of bulky parts
- **Improved access to the second stage**
Allows fast clean-out when changing materials or colors
- **Pneumatically operated follower plate inside the containment chamber**
Keeps purgings in contact with the rotor knives
- **Simple operation**
Operator simply places purgings in containment chamber, activates the system and continues with other duties
- **Increased throughput with reduced fines**
1 HP blower efficiently evacuates the 2nd stage granulate
- **Operator safety**
Fully interlocked and meets OSHA requirements
- **Quiet Operation**
Effective sound enclosure and shock absorbing drive system keeps noise at acceptable levels.



Purging Recovery System

Until now, size-reduction of purgings has meant buying a massive, heavy-duty granulator, using a shredder in combination with a standard granulator, or cutting the parts with a saw before granulation. These are all expensive and sometimes dangerous options.

The Purging Recovery System efficiently reduces purgings into high quality regrind in two simple stages, contained in one compact piece of machinery.

In the first stage a chamber filled with purgings moves back and forth over a 2-level platform. Mounted between the upper and lower level of the platform is a high-speed 8-knife rotor. As the chamber moves from the lower level toward the upper level the rotor literally planes one inch off the bottom of the purgings. The resulting chips are propelled down into the second stage

The second stage performs the final size reduction. A rotary granulator is positioned directly below the planer and produces uniform granulate suitable for immediate processing.



Operator loading containment chamber



Push button control

Operation Sequence

- The operator loads purgings into a containment chamber that is parked in an easy-to-reach location.
- Upon push button activation by the operator, the containment chamber shuttles on rails toward the upper table level.
- The purgings are fed into the rotor knives and the bottom one inch is planed off producing small chips.
- As the containment chamber shuttles back and forth across the rotor, the chips produced by the rotor knife are propelled downward into the cutting chamber of the second stage radial granulator.
- The cycling continues until the cycle timer elapses and a strobe light is activated indicating it is time to re-load the containment chamber.



Easy access for first stage knife replacement



Easy access for second stage cleanout

SPECIFICATIONS

Model PRS-20

Overall Dimensions	W x D x H
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Containment Chamber	20" x 30" x 16"
Shuttle Drive	Pneumatic driven w/ hydraulic resistance sensor
1st stage planing rotor	5 Hp, belt-drive - 8 knife, staggered
2nd stage rotor drive	5 Hp, 1750 rpm direct drive, 480V/3ph
Controls	Interlocked, sequenced control