

Purging Recovery System

Product Guide



OVERVIEW

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



HOW IT WORKS

In the first stage a chamber filled with purgings moves back and forth over...



PRODUCT INFORMATION

View our full technical specification, and easy maintenance...



CONTACT

Find out your local contacts or where your regional head office is located...

**TRANSFORMS
PURGINGS INTO
HIGH-QUALITY
REGRIND**

**BUT COSTS SUBSTANTIALLY
LESS THAN CONVENTIONAL
EQUIPMENT**

CAUTION
ROTATING BLADES
DO NOT OPEN UNTIL ROTOR
COMES TO A COMPLETE STOP

MAGUIRE[®]
Intelligent Simplicity

Purging Recovery System

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CONTACT

Find out where your nearest Maguire Partner is located.

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Your Local Contacts

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OVERVIEW

Functions and Benefits

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.



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.

HOW IT WORKS



1st Stage

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 12-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.

2nd 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

LOAD PURGINGS

The operator loads purgings into a containment chamber that is parked in an easy-to-reach location.

ACTIVATION

Upon push button activation by the operator, the containment chamber shuttles on rails toward the upper table level.

PRODUCING SMALL CHIPS

The purgings are fed into the rotor knives and the bottom one inch is planed off producing small chips.

THE CUTTING CHAMBER

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.

RE-LOADING

The cycling continues until the cycle timer elapses and a strobe light is activated indicating it is time to re-load the containment chamber.



PRODUCT INFO



Technical Specifications

	Model PRS-20
Overall Dimensions (W x D x H)	39" x 76" x 78" (0.99m x 1.93m x 1.98m)
Containment Chamber	20" x 30" x 16" (0.5m x 0.76m x 0.4m)
Shuttle Drive	Pneumatic driven w/ hydraulic resistance sensor
1st stage planing rotor	5 Hp (3.7kW), belt-drive – 8 knife, staggered
2nd stage rotor drive	3 Hp (2.2kW), 1750 rpm direct drive, 480V/3ph
Controls	Interlocked, sequenced control

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Easy Maintenance

EASY ACCESS FOR FIRST STAGE
KNIFE REPLACEMENT



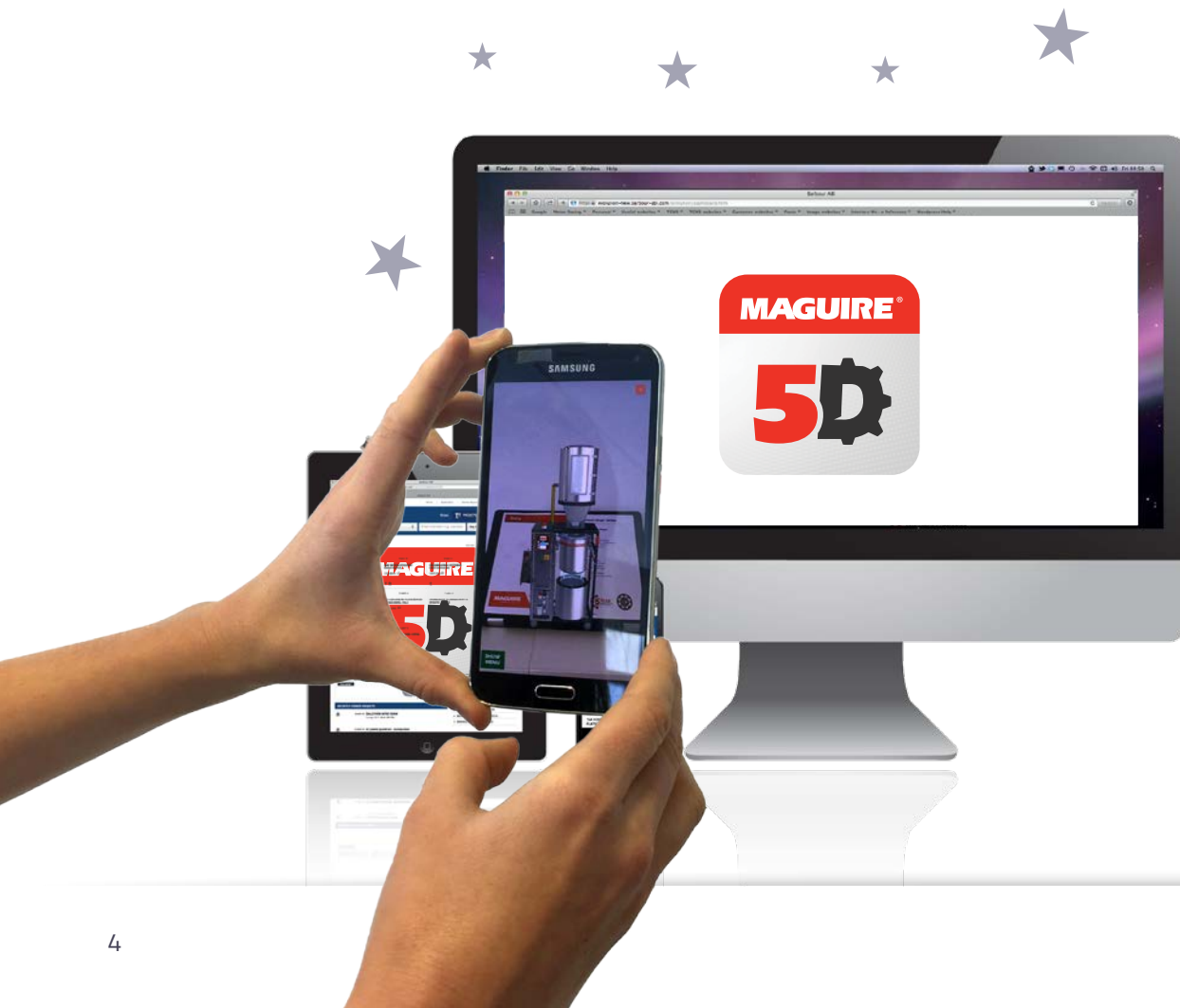
EASY ACCESS FOR SECOND STAGE
CLEANOUT



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