



945 Short Street  
Eau Claire, WI 54701

Tel. 715 835-3233  
Fax 715 833-2464

Web site: [www.prsi.com](http://www.prsi.com)

email: [info@prsi.com](mailto:info@prsi.com)

# PLASTICYCLER SYSTEM

## TURNKEY PLASTIC RECYCLING SYSTEM



- Designed to upgrade any rigid plastic as well as some heavier films
- Capacity of up to 2,000 lbs per hour
- Process description:
  - ◇ Plastic regrind enters float/sink tank to separate any unwanted materials from feedstock
  - ◇ Plastic regrind is conveyed to wash/rinse unit
    - \* multi-stage hot water wash with continuous water clarification/reheating/recirculation
    - \* hot water rinse
    - \* total water consumption approximately 2—10 gpm
  - ◇ Plastic regrind is transferred to centrifugal dryer - exits dryer at about 1% moisture content
  - ◇ Plastic regrind is transferred to air classifier to separate light contaminants from the regrind
- Stainless steel (type 304) construction - float/sink tank, wash/rinse unit, dryer
- PLC-based controls with touch-screen panel
- Designed for easy operation and maintenance
- Modular design allows for customized system configurations
- Options available:
  - ◇ Primary air classifier (mounted on top of float/sink tank)
  - ◇ Pre-wash modules for additional cleaning effectiveness
  - ◇ Supplemental air heating for additional drying capacity - electric or natural gas (shown above)
  - ◇ Bale breaker and size reduction equipment for whole-bottle systems