

## *Neue Herbold Granulators Features And Advantages*

- **Continuously Welded Solid Steel Fabrication**, throughout high impacting areas adding strength and integrity to the granulators rugged construction.  
Absolutely no castings are used which can crack under heavy shock loads.
- **Easy Accessibility For Clean Out & Routine Maintenance**: the upper part of the cutting chamber including the infeed hopper tilts backward separating from the lower part of the chamber via a hydraulic cylinder exposing the rotor, fly knives, and both primary and secondary bed knives.  
The screen is assessable from the front of the granulator creating a unique “clam shell” exposure.
- **Adjustable Rotor And Stator Knives**, permit a constant and unchanging gap between the rotor knives and the surface of the screen reducing fines, dust, & longs, and at the same time maintaining a uniform granulate.
- **All Rotor And Stator Knives** can be adjusted to the proper size gap **outside the Granulator** with the use of the knife setting fixture (patent applied for) shipped with each granulator at no extra charge.  
Knife changes can be accomplished 60% quicker and safer then adjusting knives within the granulator.
- **Improved Rotor Designs**: four to choose from depending on the application, eliminate any chance for the rotor knives to lift or loosen during heavy shock loads. The knife bolts attach to a removable and replaceable threaded clamp. The rotor flights nor the knife carrier are threaded preventing unnecessary drilling and tapping to repair stripped threads.
- **Double Cross Cut Knives**: rotor and stator knives are counter angled to each other producing a true scissors type cutting action resulting in a cleaner more uniform granulate and reduced heat build up in the granulate. Double angle cut also reduces noise emissions and energy consumption.  
All knives are straight sharpening and require no special knife sharpening fixture.
- **Outboard Mounted Roller Bearings**: secured within solid steel housings (not castings) offer more reliable service and eliminate any chance for the housings to crack or break under heavy shock loads. As opposed to flanged mounted bearings, outboard mounting prevents dust/fines from fouling the bearing nor grease from contaminating the granulate.  
Outboard mounting provides for a quieter and cooler operation.
- **Cutting Chamber Design**: is not fully tangential, nor fully straight drop thru, but a combination of the best feeding features of both, making it a multi-purpose component capable of processing various forms, thickness', and sizes of scrap.
- **Power Transmission**, extra heavy duty solid steel flywheel(s) transmit the power from the drive motor to the rotor with maximum torque for cutting through the toughest feed stock.
- **Safety**: all granulators are built to Certified European (CE) safety standards similar to ISO9001 standards.