



# 40 Series General Purpose Granulators

The 3-knife open rotor with scooped wings provides positive feeding of bulky parts. Rotating end discs minimize friction and heat build-up



Unique forward, offset cutting chamber design allows complete access to all knives for routine maintenance



Integral sound enclosure and double walled hopper ensures low operating noise levels (85dbA)



The screen and cradle swing down, allowing complete access for cleaning



## 40 Series Granulators Offer a Wide Range of Capabilities

The Cumberland 40 Series granulators offer a wide range of capabilities to handle the most demanding injection molding, blow molding and extrusion requirements. With a throughput capacity from 410 to 575 kg./hr and a wide range of sizes, there is a Cumberland granulator ideal for your specific needs.

40 Series models include 400x500 and 400x700. Both provide excellent quality regrind and quiet operation. Unique machined, bolted and doweled construction ensures durability. Double-sealed bearings are lubricated for life. Rotating end discs are standard throughout the A Series line for minimized friction and heat buildup.

# 40 Series General Purpose Granulators

## Standard Features

- Multi-feed hopper suitable for manual, conveyor or robot loading
- Hopper opening by hand-operated screw jack mechanism
- Removable flap assembly
- Bolted and doweled cutting chamber assembly with sealed-for-life bearings in outboard bearing housings
- Three knife, open rotor with “scooped” wings and slant-cut knives
- Counter slanted stationary knives provide true “scissor” cutting action
- All knives manufactured from D2 HCHC and heat treated using Cumberland’s proprietary process
- Rotating end discs
- High-inertia flywheel with automatic drive belt tensioning
- TEFV motor and star/delta starter in IP55 enclosure
- Safety interlocks, push buttons, safety labels, monitoring equipment, and restraint device all comply with CE regulations
- Integral sound enclosure and granulate transport system

## Available Options

### Hoppers:

- Front sheet feed
- Side entry pipe/profile

### Rotors:

- 5 knife slant cut
- 3/5 Twinshear knife

### Motors:

- 15, 18.5, and 22 kW

## Typical Applications

- Injection and blow molded scrap
- Extruded sheet, pipe, and profiles
- Blown, cast, and oriented films
- Thermoforming scrap
- Post-consumer bottle scrap
- Hot-melt PVC from cable production

## Specifications

Model	4050	4070	40100
Cutting Circle	419mm	419mm	419mm
Throughput (8mm screen)	410 kg/hr	575 kg/hr	815 kg/hr
Cutting Chamber	400mm x 500mm	400mm x 700mm	400mm x 1016mm
Rotor Knives	(3) D2 HCHC	(3) D2 HCHC	(6) D2 HCHC
Stationary Knives	(2) D2 HCHC (2 edge)	(2) D2 HCHC (2 edge)	(4) D2 HCHC (2 edge)
Screen Hole Sizes	5, 6, 8, 10, and 12mm	5, 6, 8, 10, and 12mm	5, 6, 8, 10, and 12mm
Standard Motor Size	15kW	22kW	22kW
Feed Height	1430mm	1430mm	1430mm
Approx. Overall Dimensions (LxWxH)	1808 x 1302 x 2032mm	1808 x 1505 x 2032mm	1808 x 1808 x 1808mm
Machine Weight	1375kg	1545kg	1814kg

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