



# FX1600 SERIES

Beside-the-Press Granulators



## Technical Specifications

**Cumberland's Beside the Press FX1600 Series** allows easy access to the screen cradle and cutting chamber. The rotor is wide open, making cleaning and knife changes quick and easy. An improved discharge seal minimizes regrind leakage, while a larger discharge bin offers more uptime. Optional viewing windows on the hopper offer the opportunity to watch material being processed. This gives you the ability to gauge how full the cutting chamber is and verify consistent material flow without having to shut the machine down.

### Features

#### SUPERIOR MAINTENANCE ACCESS

- Industry leading access to cutting chamber and screen cradle.
- Improved all discharge seals and increased manual bin volume.
- Hopper viewing windows for instant visual of the cutting chamber.

#### APPLICATION FLEXIBILITY

- Tangential and offset chamber geometry provides flexibility to size the chamber to your exact production needs.
- Configure your system with a variety of customizable options such as infeeds, hopper styles, and evacuation systems.

#### ENHANCED SAFETY

- Category 3 redundant safety circuit, with 2 sets of contacts, short circuit protection, meeting ISO-12100 standards.
- Hopper viewing windows and sound dampened enclosures.

#### Standard Features

- Steep Angle Rotor Knives
- 3 Blade Open Rotor
- 2 Bed Knives
- 2 Piece Reversible Screen
- Double-Walled Hopper & Base Construction
- NEMA 12 Control Enclosure for 230 or 460 Volts
- Tangential Chamber Geometry
- Airveyor Discharge

#### Optional Features

- Offset Cutting Chamber
- Abrasion Resistant Cutting Chamber
- High Capacity Electric Actuator
- 5 Blade Rotor
- Hopper Viewing Windows
- Adjustable Tray Feed, Side Feed Hopper, Feedrolls, or Custom Hoppers Available
- Digital Amp Meter with Dual Set Point
- CE Compliant or Custom Voltages Available
- Vacuum or Manual Discharge Bins

#### Typical Applications

- Injection molded runners and reject parts
- Blow-molded parts and tops/tails
- Extruded tubes and profiles
- Edge trims from sheet extrusion



## Specifications

| Model                    | FX1620   | FX1628   | FX1640   |
|--------------------------|--|--|--|
| Cutting Chamber          | 16" x 20"<br>(406 mm x 508 mm)   | 16" x 28"<br>(406 mm x 711 mm)                         | 16" x 40"<br>(406 mm x 1021 mm)                        |
| Rotor Diameter           | 16.5" (419 mm)   | 16.5" (419 mm)   | 16.5" (419 mm)   |
| Rotor Speed              | 450 rpm  |  |  |
| Throughput*              | 900 lbs/hr (408 kg)  | 1,500 lbs/hr (680 kg)                                  | 1,800 lbs/hr (816 kg)                                  |
| Feed Height              | 59.4" (1509 mm)  |  |  |
| Dimensions (L x W x H)   | 52.5" x 67.8" x 83.5"<br>(1334 mm x 1722 mm x 2120 mm)   | 60.5" x 67.8" x 83.5"<br>(1537 mm x 1722 mm x 2120 mm) | 72.5" x 67.8" x 83.5"<br>(1842 mm x 1722 mm x 2120 mm) |
| Weight                   | 3,300 lbs<br>(1497 kg)   | 3,900 lbs<br>(1769 kg)                                 | 4,500 lbs<br>(2041 kg)                                 |
| <b>Standard Features</b> |  |  |  |
| Cutting Chamber          | Tangential   |  |  |
| Infeed                   | Tray/Conveyor Feed   |  |  |
| Motor HP                 | 20 HP  | 20 HP  | 30 HP  |
| Drive Parts              | Solid Flywheel   |  |  |
| Discharge                | 6" Blower  |  |  |
| Rotor                    | 3 Blade Open   | 3 Blade Open   | 3 Blade TwinShear™                                     |
| <b>Optional Features</b> |  |  |  |
| Cutting Chamber          | Offset, Abrasion Resistant   |  |  |
| Infeed                   | Bolt-On Multi-Position Tray, Sheet Feed & Hopper, Top Flared Chute<br>FlexFeed: Side Pipe Feed, Viewing Window, Cover Plate, Rectangular Side Feed |  |  |
| Motor HP                 | 30 HP, 40 HP   | 30 HP, 40 HP   | 40 HP  |
| Drive Parts              | Dual Flywheel  |  |  |
| Rotor                    | 5 Blade Slant  | 5 Blade Slant  | 5 Blade TwinShear™                                     |
| Discharge                | Manual, Vacuum Bins  | Manual, Vacuum Bins                                    | Vacuum Bin (Dual)                                      |

\*Throughputs are estimates only and will vary based on material, screen size, feed method, etc

