

# Introducing FARREL POMINI® Rigid PVC Processing Solution

**A cost-effective approach utilizing efficient and maintenance-friendly continuous mixing technology.**

FARREL POMINI® eliminates the traditional requirement for a two-roll mill, water bath, and dicer allowing for a smaller capital investment & equipment footprint, enhanced safety, and expedited return on investment.

## The FCM™, Farrel Continuous Mixer is Well Suited to Processing PVC

FCM™ technology, introduced by Farrel Corporation in 1963, is based upon the principle of two counter-rotating, non-intermeshing rotors and a large free volume mixing chamber.

The technology's key features that make it well-suited to processing PVC include:

- Adjustable mixing intensity achieved by changing rotor speed and orifice position for a compound that is well-dispersed and retains its mechanical properties.
- Excellent temperature control throughout the mixing chamber, rotors and extruder barrel allow PVC to process within its ideal temperature range.
- The standard 6 L/D rotor provides a short residence time, efficient rotor shear, and low heat history for the temperature sensitive PVC.
- Energy efficient atmospheric venting for removing air, volatiles, and moisture from the mixer.

The FCM™ does not require the use of side-feeders or kneading blocks.

## The Rigid PVC Processing Solution

The FARREL POMINI® rigid PVC solution compounds the PVC with the FCM™, Farrel Continuous Mixer to a hot feed single screw extruder (a Compact Processor). The compound cools as it processes through the extruder.

The PVC then moves to the newly designed FARREL POMINI® Dry Face Pelletizer.

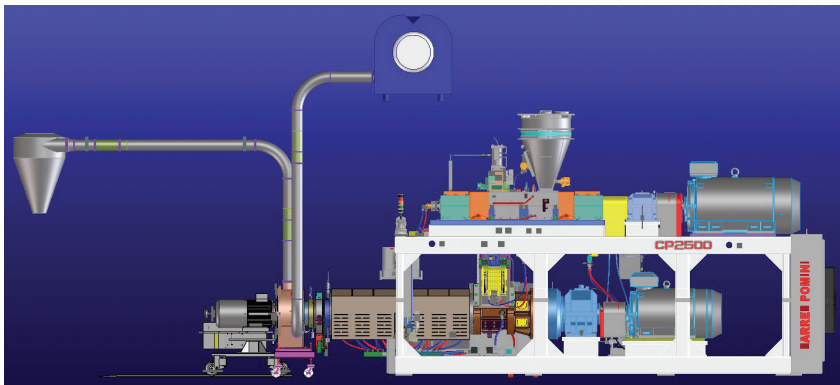
The proprietary Dry Face Pelletizer (DFP):

- Minimizes die pressure
- Minimizes potential temperature increase
- Efficiently cuts the pellet

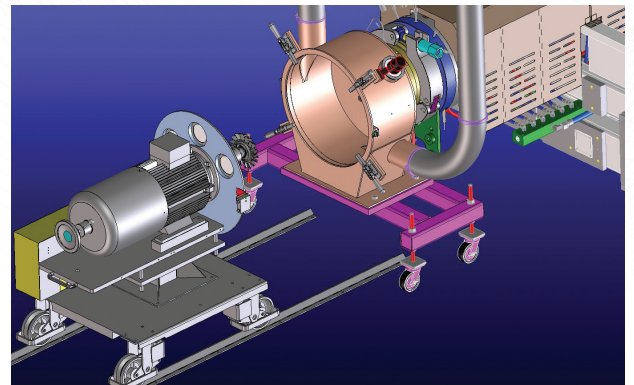
After pelletizing, an air transfer system completes the cooling process along with pellet classifying and dust & fine removal.

The DFP has a compact and robust design, is easy to operate and can be fully integrated into the user-friendly FARREL POMINI® SYNERGY® Control System. The entire line can be completely automated with minimal operator involvement.

The FARREL POMINI® Rigid PVC Processing Solution is suitable for processing virgin or recycled rigid PVC.



Compact Processor, Dry Face Pelletizer & Air Transfer System



Dry Face Pelletizer

LET OUR EFFICIENCY DRIVE  
YOUR SUSTAINABILITY.



For more information, please contact your local Sales Engineer or call +1 203 736.5500 to schedule time in a Customer Demonstration Facility.

**FARREL POMINI**  
*continuous compounding systems*

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