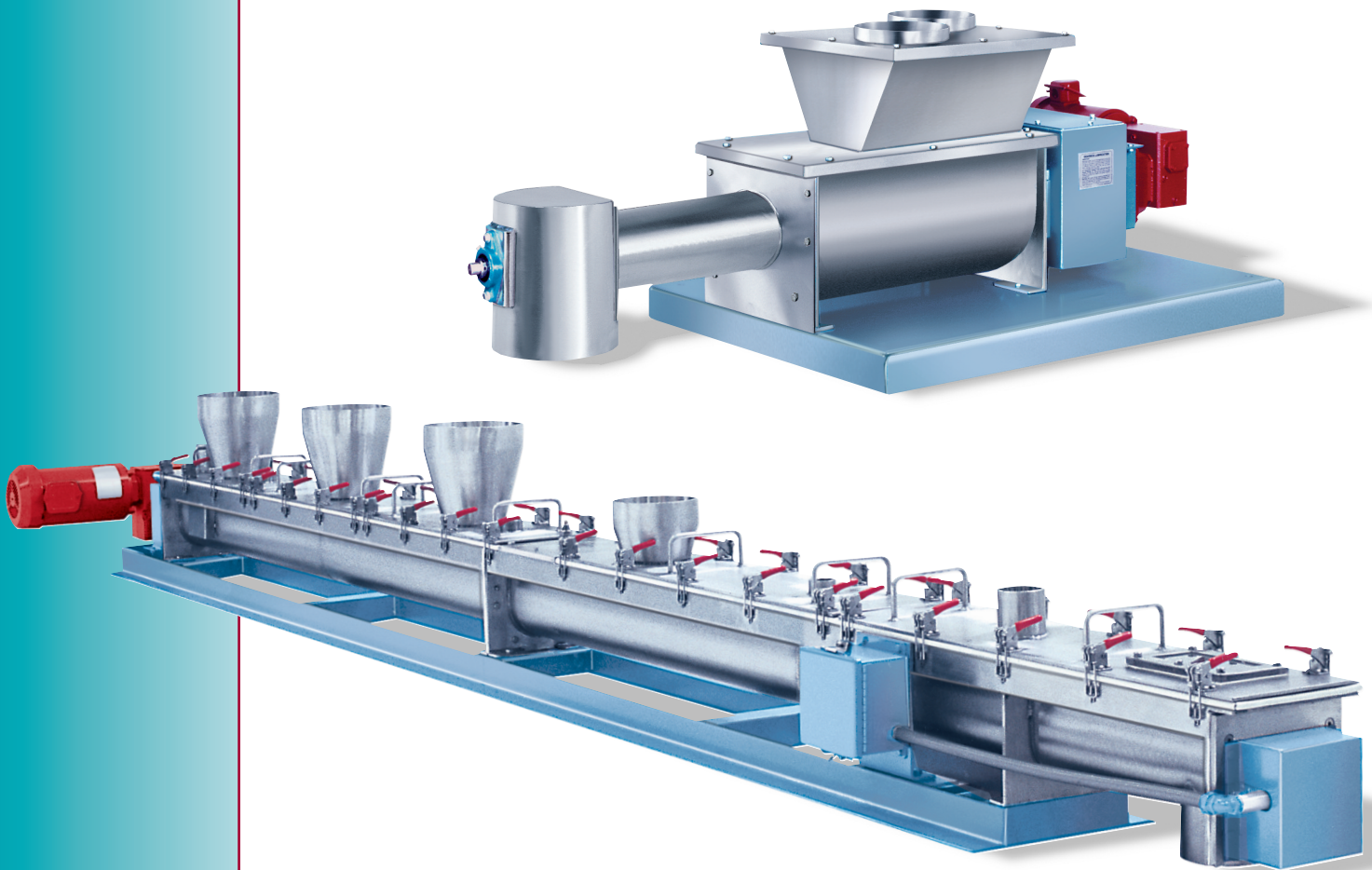


# Acrison®

## Continuous Blenders Models 301 and 350

*For use with Acrison Feeders*



*Advanced Design Technologies for Superior  
Performance and Operational Reliability.*

# Acrison Continuous Blenders

## Model 350

*Featuring Acrison's Dissimilar Speed Double Concentric Auger Mechanism for Mixing two or more Dry Solid Ingredients*

### Operational Overview

The Model 350 is a versatile, multi-purpose continuous Blender utilizing a modified version of Acrison's unique, Dissimilar Speed, Double Concentric Auger Mechanism (and 'Inter-Auger Action') for mixing dry solids with dry solids, and in certain applications, dry solids with liquids. They are only furnished with Acrison Volumetric and/or Gravimetric Feeders to form a complete metering/blending system.

As two or more dry solids are continuously metered into a Model 350 Blender, they are effectively combined into a homogeneous blend by the gentle, highly efficient mixing action produced by the dissimilar parallel motion of the Dual Concentric Augers operating at dissimilar constant speeds.

Model 350 Blenders operate in a 'starved' condition; retention time is minimal and the output delivery of the blended material is smooth and consistent.

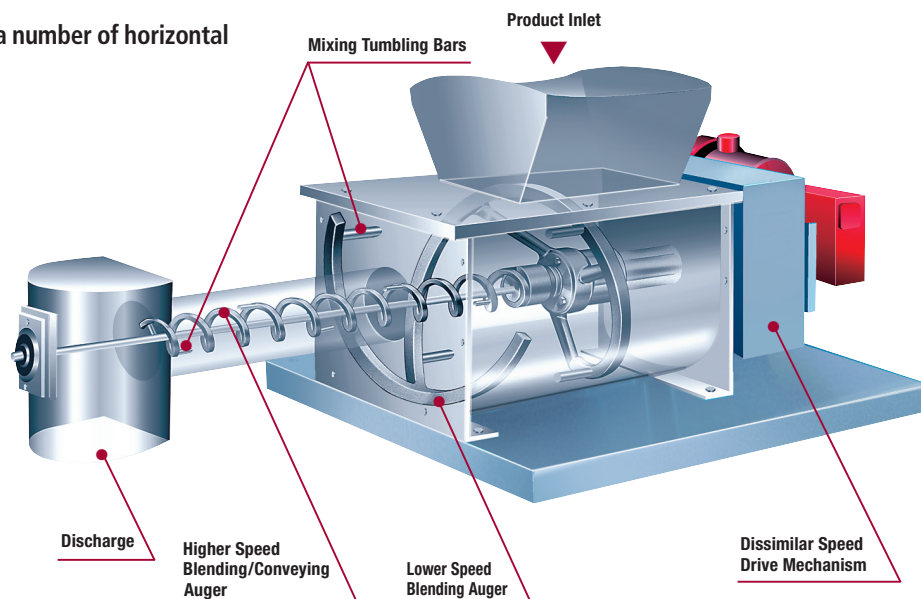
### Rotation of the Dissimilar Speed Double Concentric Augers produces . . .

- A unique annular 'Interaction' within the confines of the Dual Concentrically mounted Augers.
- Dissimilar longitudinal velocities in the 'active' area between the Dual Concentrically mounted Augers.
- An alternating forward and reverse action generated by the right and left-hand helix configuration of the larger Blending Auger.
- A 'tumbling' action generated by a number of horizontal bars affixed to both Augers.

**MODEL 350 BLENDER CAPACITY CHART**

Model size	Cubic feet per hour (maximum output)
350-0-F	4.5
350-0-G	8.3
350-1-H	15
350-1-K	38
350-1-M	53
350-1-N	83
350-2-P	120
350-2-R	188
350-3-S	300
350-3-T	390
350-3-U	600
350-4-V	750
350-4-W	1125
350-5-X	2550
350-5-Y	3825

The maximum turn-down ratio of any Model 350 Blender is 20:1 from the indicated maximum output capacity.



# Acrison Continuous Blenders

## Model 301

*Featuring a Specially Designed Helicoidal Blending/Conveying Auger for Mixing two or more Dry Solid Ingredients*

### Operational Overview

The Model 301 is a moderately versatile, single auger Continuous Blender designed for effectively mixing two or more dry solid ingredients. The Blender consists of a single Blending/Conveying Auger housed in a trough.

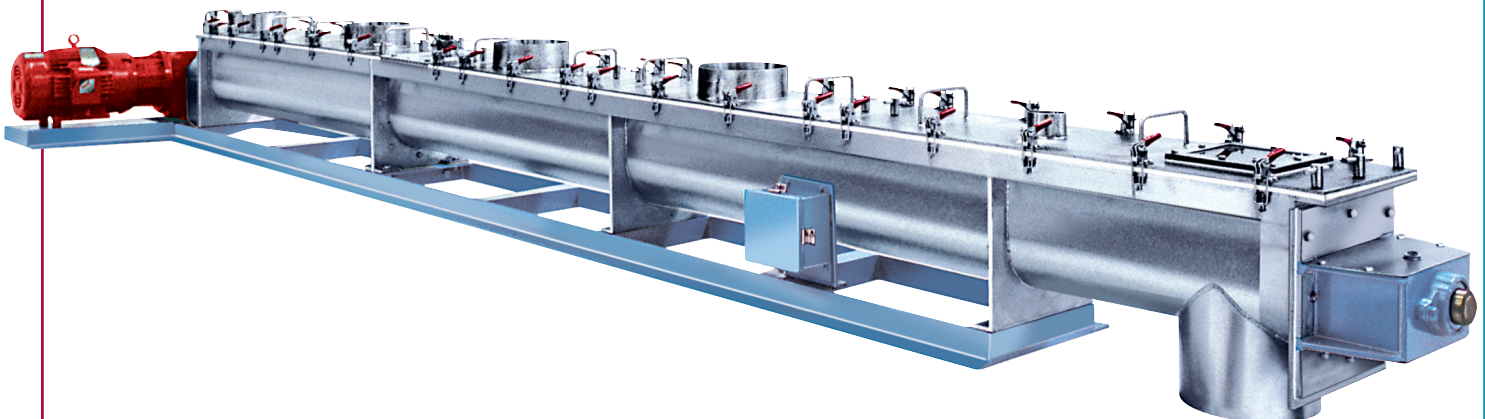
As various dry solid products are continuously metered into the Blender, its uniquely configured Helicoidal Blending/Conveying Auger produces a very efficient mixing action by tumbling the material as it is being conveyed towards the Blender's outlet. Operating in a 'starved' condition, the output of the blended material is smooth and consistent.

Although standard Model 301 Blenders are defined dimensionally, the length of a Model 301 Blender can be designed to satisfy the layout requirements of a particular application. They are only furnished with Acrison Volumetric and/or Gravimetric Feeders to form a complete metering/blending system.

### MODEL 301 BLENDER CAPACITY CHART

Model size	Cubic feet per hour (maximum output)
301-P	120
301-R	188
301-S	300
301-T	390
301-U	600
301-V	750
301-W	1125
301-WWW	1850
301-X	2550
301-XX	2950
301-Y	3825
301-YY	5700
301-Z	6850
301-ZZ	8500

The maximum turn-down ratio of any Model 301 Blender is 20:1 from the indicated maximum output capacity.



A specially configured Model 301-U Blender for mixing five (5) ingredients.

## Discover the difference!

We cordially invite you to witness a test in Acrison's state-of-the-art Customer Demonstration Facilities handling your actual product(s) with the specific equipment we recommend for the application. Usually, there is no cost or obligation for this service.

Discover the difference in technology, quality and performance of Acrison equipment.



Empire Boulevard Facility  
Moonachie, NJ USA

## Acrison products...

- Models 101 and 130 Volumetric Feeder Series
- Models V-101 and V-130 Volumetric Feeders
- Model 1015 Volumetric Feeder Series
- Model 105 Volumetric Feeder Series
- Model W-105 Volumetric Feeder Series
- Model 120 Volumetric Feeder
- Model 140 Volumetric Feeder Series
- Model 170 Volumetric Feeder Series
- Model 905-18 Volumetric Feeder
- Bin Discharger Feeders
- Model 200 Weigh Belt Feeder Series
- Model 203B Weigh Auger Feeder Series
- Model 270 In-Line Weigh Feeder Series
- Models 402 and 404 Series, 405, 406, 407X, 408 and 410 'Weight-Loss' Weigh Feeders
- Model Series 403 'Weight-Loss' Weigh Feeders
- Model 403B(D) Batch/Dump Weighing Systems
- Model 404BZ(BU) Bulk Bag Unloader Batch Weigher
- Models 350 and 301 Continuous Blenders and Blending Systems
- Multiple Auger Bin Dischargers and Multiple Auger Bin Discharger Hoppering Systems
- Vibratory Bin Discharger Hoppering Systems
- Model 170-BD-30 Bin Discharger
- Model 800 Series Bulk Bag Unloaders
- Models 500, 515, and 580X Polyelectrolyte Preparation Systems
- Water and Waste Water Treatment Systems
- Volumetric and Gravimetric Feeder Controllers and Control Systems
- Silo Systems
- Accessory Equipment for Acrison Products
- Systems Engineering



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*"Visibly Different... Measurably Better"*

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