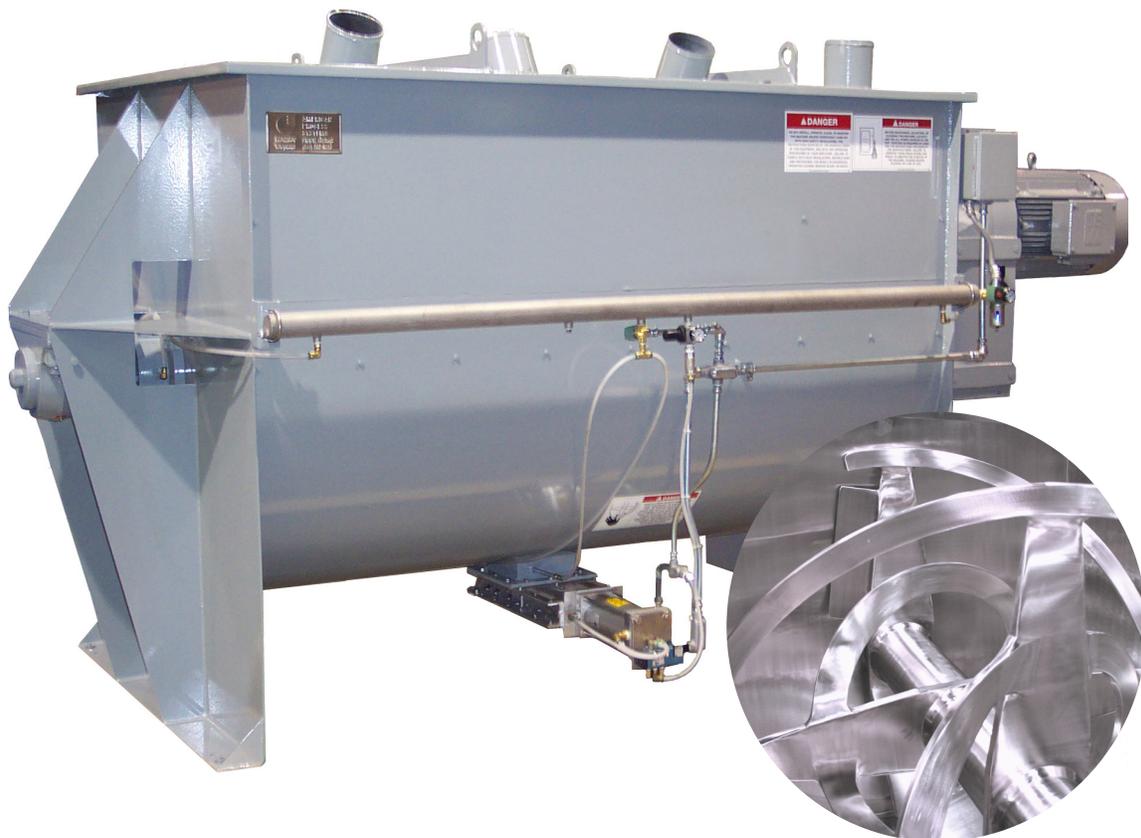


Ribbon Blenders

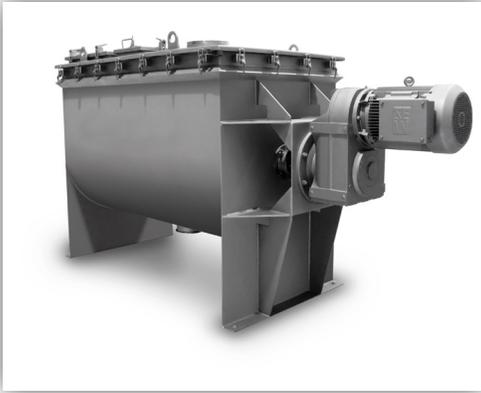
and other horizontal mixers

- ☰ Double Ribbon
- ☰ Paddle Ribbon
- ☰ Paddle



The Most Comprehensive Line of Mixers...Anywhere!

Choose Your Shell Style



Traditional U-Shaped...

is found on the majority of ribbon blenders. The fully open top allows for ease of access during cleaning.



Cylindrical...

is for applications when vacuum or pressure or heating/cooling is required. A cylindrical shape withstands these higher pressures with minimal increase in shell thickness.



Semi-Cylindrical...

lends itself to cooker/cooler applications where a greater level of heat transfer is needed than can be accommodated in a U-shaped vessel.

Choose Your Agitator



Double Ribbon Agitator...

is valued for its thorough mixing. It consists of an inner and an outer ribbon, providing counter-directional flow while keeping the product in constant motion throughout the vessel. Inside ribbons move materials toward the ends of the blender whereas the outside ribbons move material back toward the center discharge.



Paddle/Ribbon Agitator...

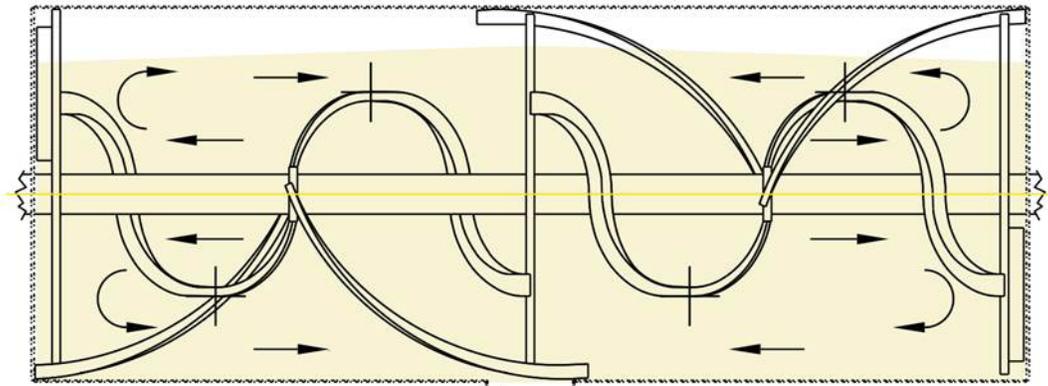
combines inner ribbons with outer paddles. It is especially well suited for fragile, heat-sensitive products. While maintaining counter-directional flow, the outer paddles minimize pinch points at the wall, thus introducing less frictional heat than a continuous outer ribbon.



Paddle-Only Designs...

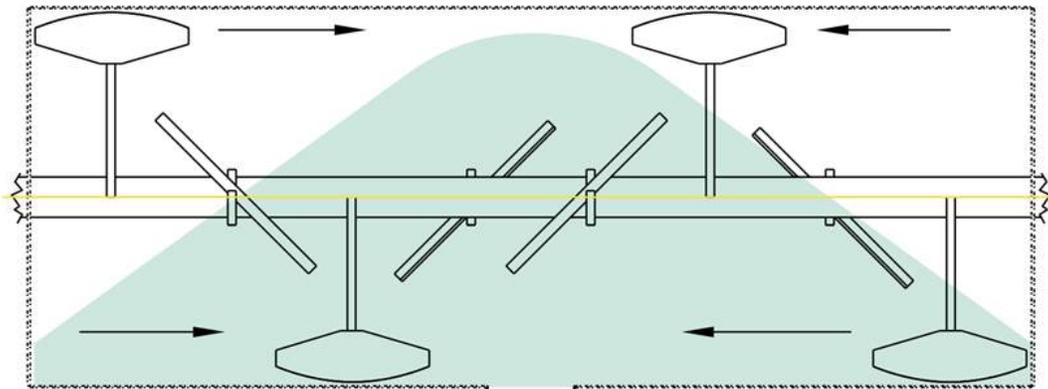
are best suited for products of uniform size and density such as feed and grain, non-directional liquid or slurry mixes, and soap pellets with fragrance.

Design Flexibility for Individualized Process Solutions



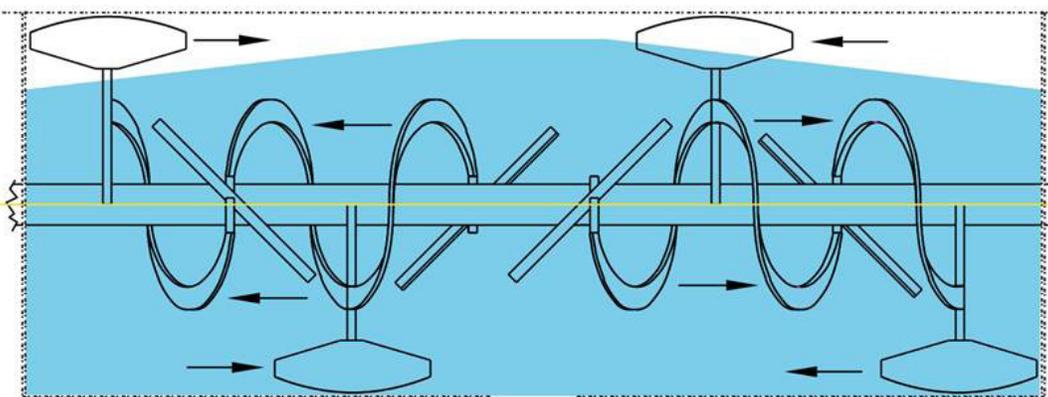
Double Ribbon Configuration:

An inner and outer ribbon provide counter-directional flow while keeping the product in constant motion throughout the vessel.



Paddle Configuration:

High-speed paddle tools lift the product to produce a very specific mixing pattern



Paddle / Ribbon Configuration:

Combines inner ribbons with outer paddles, maintains counter-directional flow

Process Solutions & System Installations

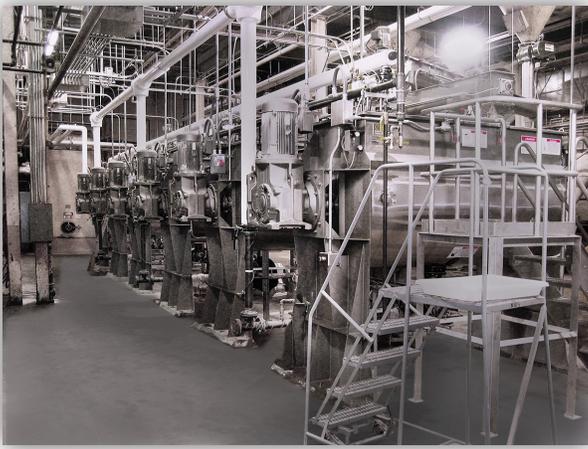
Sanitary Mixers - Smart Design

The APS sanitary and ultra-sanitary double ribbon, paddle, and combination paddle/ribbon blenders consist of a stainless steel, U-shaped mixing tank with a two piece, removable solid bar shaft agitator supported at each end by suspended pillow block bearings.

The tank is a one-piece weldment. There are no removable or slotted endplates with seams for unmixed materials to accumulate.

Heavy-duty, plasma-cut agitator tool support posts, flange-free construction and continuous welds ground smooth with large radii throughout, adding further to the structural integrity and cleanliness of our agitator and housing design.





APS Expertise

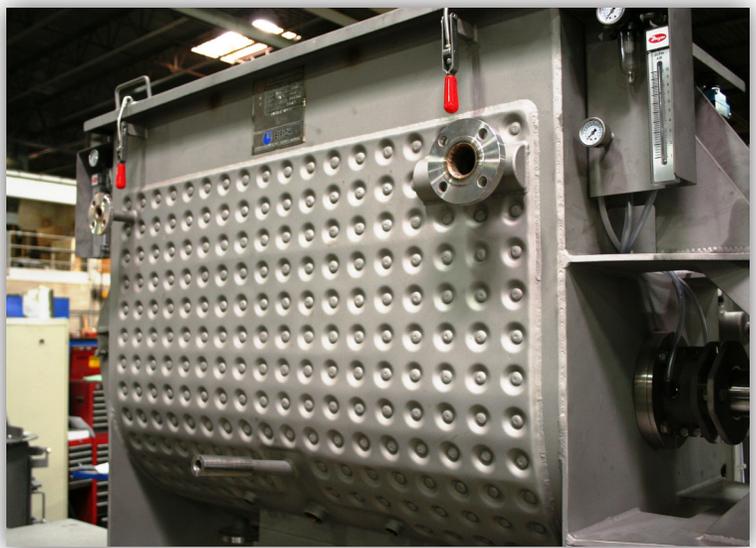
American Process Systems® has for over 35 years developed and installed equipment tailored to the requirements of many different industries.

Our installations can be found in plants ranging from bakeries to pesticides, seasonings to PVC, dairy to detergents, pigments to nutraceuticals, drink mixes to animal feed.



The APS Agitator Shaft

Every APS agitator shaft is constructed of solid stainless or carbon steel, and designed to be free of any nuts, bolts, or flanges. The unique design provides much greater strength than pipes or tubes.



Mixers For Industrial Applications

Industrial processes may require carbon steel, stainless steel, or many other types of exotic material like super duplex stainless steel.

Tanks can be U-shaped, semi-cylindrical or cylindrical and may have pressurized jacketing for a variety of applications.



System Installations

EIRICH Machines offers complete processing systems, including platforms, controls, electrical cabinets and spare parts.

Combination of Options...

...Tailored for Your Application



Bulk bag inlet ports with screens and magnetic grating



Dust controlled, easy clean, tailored blender cover



Tailored blender covers for hand dumping and easy cleanability



Removable pneumatically vibrated screen with hinged cover



Custom control panels



Direct drive, in-line shaft mount



Direct drive, right angle shaft mount



Manually actuated paddle gate



Side access doors



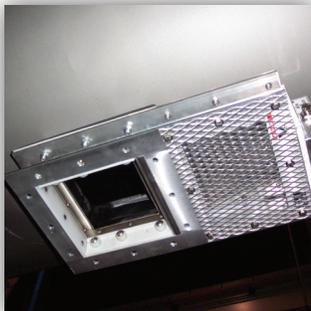
Compressed air header to seals & discharge valve & NEMA 4x SS J-box for single phase components



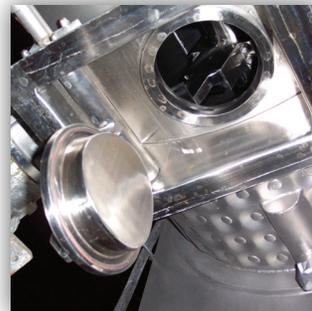
Tri-clamped ferrule with removable spray ball for CIP cleaning



CO2 tangentially mounted injection nozzles and manifold



Salina Vortex roller gate valve



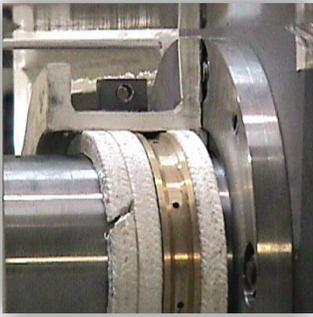
Contoured flush plug valve



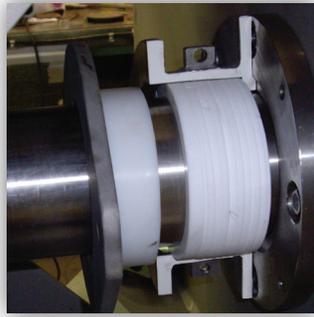
Rotary disc valve



Flush bottom drop gate valve



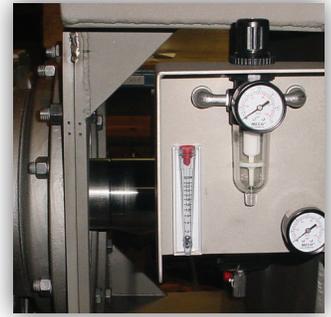
Air purged packing gland seal with split housing



Split, removable packing gland seals with Teflon V-Rings, suitable for USDA dairy applications



Meco shaft seal



Air purged seals with flow meters and F/R/G



Shrouded endplates for easy cleaning



Chopper motors



X-mas tree style choppers for greater milling



Tulip style chopper head designed to be externally removable

Engineered Solutions...

Our range of mixing and blending equipment enables us to be impartial in testing and recommending equipment tailored to your process. Visit our manufacturing and test facility in Gurnee, Illinois. Our lab technicians, engineering teams, and project managers all welcome the opportunity to 'Put Us To The Test'!

Plant Design & Engineering



Project Management



Lab Trials & Material Processing



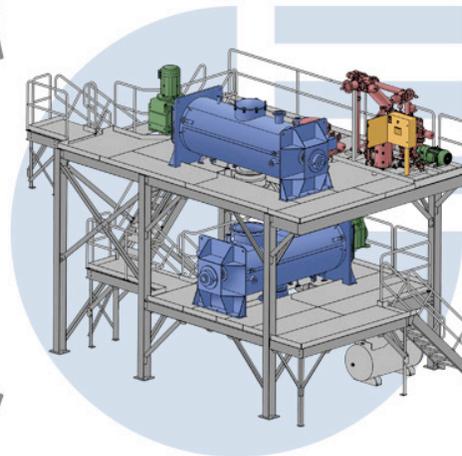
Manufacturing & Quality



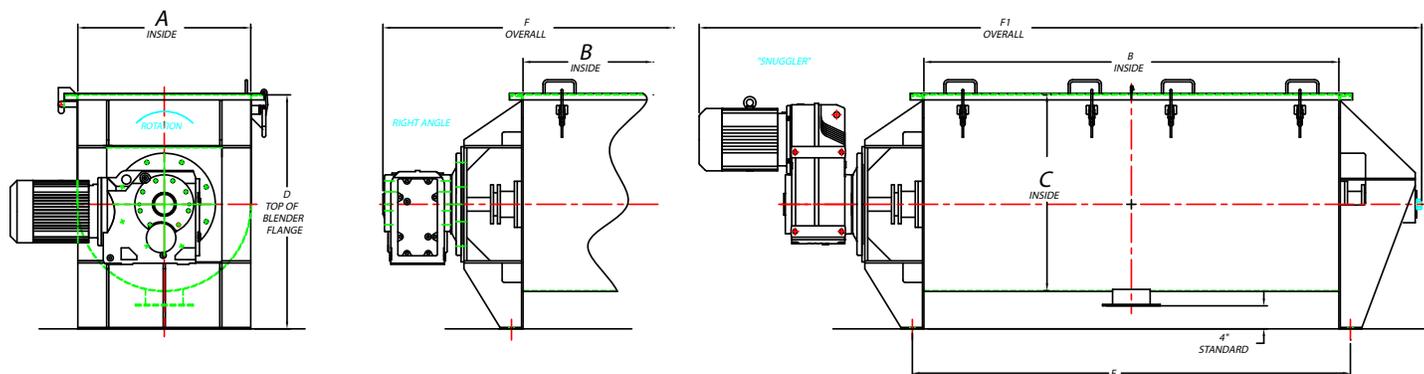
Installation & Training



Service & Aftermarket



Dimensions and Drawings



9/19 Printed in U.S.A. • Subject to changes

Model	Working Cap. ft ³	Horse Power Range	Approximate Dimensions (in.)		
			A	B	C
DRB-3	1	1.50 - 3	15	30	18
DRB-5	5	3 - 5	17	38	20
DRB-11	11	5 - 15	21	48	26
DRB-24	24	7.50 - 15	26	66	30
DRB-36	36	15 - 30	30	78	34
DRB-55	55	15 - 40	34	90	39
DRB-66	66	20 - 50	37	96	41
DRB-80	80	15 - 40	40	96	48
DRB-100	100	20 - 50	45	96	54
DRB-120	120	25 - 60	44	120	52
DRB-155	155	30 - 75	50	120	59
DRB-180	180	40 - 100	54	120	61
DRB-215	215	40 - 100	54	144	61
DRB-270	270	40 - 100	60	144	66
DRB-325	325	50 - 125	66	144	73
DRB-385	385	60 - 150	72	144	80
DRB-515	515	75 - 200	72	192	80



CAROLINA MATERIAL TECHNOLOGIES
Material Handling Experts

CMT, Inc.

220 Crompton St, Charlotte, NC

Phone: 704-846-3737

Email: info@cmtnc.com

Web: www.cmtnc.com

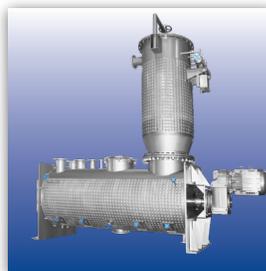
Ask about other equipment in the Carolina Material Technologies product line:



*OptimaBlend[®]
Fluidizing Blender*



Product Conditioners



Dryer / Reactors



*OptimaBlend[™]
Fluidized Zone Mixer*