

# **HAYES & STOLZ**

INDUSTRIAL MANUFACTURING CO.



**Continuous  
Blenders**



**hayes-stolz.com**

# HAYES & STOLZ

INDUSTRIAL MANUFACTURING CO.

## CONTINUOUS BLENDERS

**Hayes & Stolz**, with experience since 1945, manufactures an extensive line of Continuous Blenders for low, medium, or high intensity applications.

- L56 Blenders can be used for low, medium or high intensity blending.
- DA (Double Agitator) and SA (Single Agitator) Blenders are typically used for low to medium intensity blending.
- E-Z Blenders are typically used for low intensity blending.

Continuous blenders can offer an economical alternative to batch mixing when considerations include high volume production, volume flexibility, lower energy costs, and / or limited space.

Applications for Hayes & Stolz Continuous Blenders include:

- Blending Dry Ingredients
- Blending Liquid(s) with Dry Ingredients
- Liquid Coating of Dry Materials
- Paste / Sludge / Slurry Blending

Blenders are manufactured of carbon steel, or stainless steel with commercial or sanitary finishes.

Abrasion resistant steel and / or welded hard-facing can be incorporated for high wear applications.

Each Hayes & Stolz blender is designed and manufactured to the specific blending application. Custom blenders are available.



DA Blender



L56 Blender



E-Z Blender



SA Blender  
(Stainless Steel)



## MODEL L56 BLENDERS

### Single Shaft Paddle Blenders

The tubular housing allows for more control of blending intensity when required and minimizes build-up of wet or sticky products.

The pitch of the paddles is easily adjustable for varying retention time and intensity of the mixing action.

Excellent for liquid-to-dry processes and for de-agglomeration applications.

L56 Blenders can be used for low, medium or high intensity blending with operating speeds from 40 to 700 RPM.

MODEL	HOUSING DIMENSIONS (in.)	
	Diameter (in.)	Length (ft.)
L56-12	12"	6', 8', 10'
L56-16	16"	6', 8', 10'
L56-20	20"	6', 8', 10'
L56-24	24"	6', 8', 10'
L56-30	30"	6', 8', 10'
L56-36	36"	6', 8', 10'



L56 Blender



L56 Blender  
(Stainless Steel)



L56 Paddle Assembly



L56 Blender  
(Sanitary)



# HAYES & STOLZ

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### MODEL DA BLENDERS

#### Dual Agitator Paddle Blenders (Pug Mills)

Designed with double u-trough housings.

Dual counter-rotating paddle shaft assemblies.

The pitch of the paddles is easily adjustable for controlling the intensity of the dual mixing action.

DA Dual Agitator Blenders are typically used for low to medium intensity blending with operating speeds from 40 to 300 RPM.



DA Blender  
(Stainless Steel)

MODEL	HOUSING DIMENSIONS (in.)	
	Diameter (in.)	Length (ft.)
DA-12	12"	6', 8', 10', 12'
DA-16	16"	6', 8', 10', 12'
DA-20	20"	6', 8', 10', 12'
DA-24	24"	6', 8', 10', 12'
DA-30	30"	6', 8', 10', 12'
DA-36	36"	6', 8', 10', 12'



DA Blender  
(Stainless Steel)



Stainless Steel Paddle Assemblies



DA Blender



# MODEL SA BLENDERS

## Single Agitator Paddle Blenders

Designed with single u-trough housings.

Paddle shaft assembly.

The pitch of the paddles is easily adjustable for controlling the intensity of the mixing action.

SA Single Agitator Blenders are typically used for low to medium intensity blending with operating speeds from 40 to 300 RPM.

MODEL	HOUSING DIMENSIONS (in.)	
	Diameter (in.)	Length (ft.)
SA-12	12"	6', 8', 10', 12'
SA -16	16"	6', 8', 10', 12'
SA -20	20"	6', 8', 10', 12'
SA -24	24"	6', 8', 10', 12'
SA -30	30"	6', 8', 10', 12'
SA -36	36"	6', 8', 10', 12'



SA Blender  
(Stainless Steel)



SA Blender



Paddle Assembly



SA Blender  
(Sanitary)





# HAYES & STOLZ

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### MODEL E-Z BLENDERS

#### Single Shaft Ribbon Blenders

Designed with single u-trough housings.

Ribbon shaft assembly with adjustable back-pitch paddles.

Excellent for gentle blending of fragile ingredients and for coating dry materials with a liquid.

E-Z Blenders are typically used for low intensity blending with operating speeds from 30 to 60 RPM.

MODEL	HOUSING DIMENSIONS (in.)	
	Diameter (in.)	Length (ft.)
EZ-12	12"	6', 8', 10', 12', 14'
EZ-16	16"	6', 8', 10', 12', 14'
EZ-20	20"	6', 8', 10', 12', 14'
EZ-24	24"	6', 8', 10', 12', 14'
EZ-30	30"	6', 8', 10', 12', 14'



Ribbon Assembly - With Back Pitch Paddles



Ribbon Assembly - With Lifting Bars



E-Z Blender  
(Carbon Steel)



E-Z Blender  
(Carbon Steel)



E-Z Blender  
(Stainless Steel)



E-Z Blender  
(Sanitary)



## FEATURES & OPTIONS

### Special Duty Options

- Abrasion-resistant (A/R) steel can be incorporated in critical wear areas for abrasive applications.
- Welded overlay hard-facing can be applied to paddle faces and tips.
- UHMW liners available for E-Z Blender housings and agitator components for liquid addition applications.



UHMW Liner

### Stainless Steel Sanitary/Food Grade

- USSS - Sanitary stainless steel construction, 120 grit finish
- SSS - Sanitary stainless steel construction, 80 grit finish
- SSC-II - Stainless steel construction, unfinished
- SSC-I - Stainless product contact surfaces, unfinished



Stainless Steel Finish

### Shaft Seal Options

- Split Block Seals - UHMW body, steel front and back plates, two wraps of packing material
- Flange Gland Seals - Steel body and back plate, one wrap of packing material, adjustable as packing wears
- Packing Gland Seals - UHMW or stainless steel body, multiple wraps of packing material, adjustable as packing wears, with or without air purge.
- Seals by other manufacturers available.



Split Block Seal



Flanged Gland Seal



Packing Gland Seal

### Cover Options

- Solid bolted covers
- Hinged cover sections
- Inlet ports for dry and / or liquid addition
- Access for inspection and cleaning



Hinged Cover with Safety Switches

### Liquid Addition

- Liquid manifolds and / or spray nozzles
- H&S Liquid Injector



Liquid Manifolds

### Miscellaneous Options

- Heating and cooling jackets
- Lifting bars on E-Z Blender ribbons for additional blending.
- Support structures and platforms
- Custom designs and options



Heating & Cooling Jackets

# HAYES & STOLZ

Hayes & Stolz Industrial Manufacturing Company offers a wide variety of mixing, blending, processing and material handling equipment to serve your needs, including:



Batch Mixers  
Continuous Blenders  
Bucket Elevators  
Distributors  
Gates  
Valves  
Rotary Scalpers  
Horizontal Coolers  
Coaters

Other Services:  
Laser / Water Jet Cutting  
Contract Manufacturing

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