

EDR™ 2 - SHORT STROKE RECIPROCATOR

DESCRIPTION

The ITW Ransburg EDR2 Short Stroke Reciprocator is used to blend applicator patterns with its smooth harmonic motion. The adjustable 8-14 inch stroke length increases the effective work envelope of the applicator and provides proper blending of spray patterns to adapt to job conditions. The reciprocator can be adjusted while running to obtain uniform film thickness as well as complete part coverage.

The compact design of the reciprocator requires minimal booth space and offers little resistance to air flow. In its standard configuration, the reciprocator is cart mounted with vee groove wheels. An inverted angle iron track is provided to allow manual positioning of the reciprocator for adjustment to target distance.

ITW Ransburg reciprocators are typically interfaced with the finishing system through the pneumatic control panel. A pneumatic on/off switch located on the pneumatic control panel is used in conjunction with a pressure switch and motor starter (provided by customer) to remotely activate the reciprocators.



FEATURES AND BENEFITS

- **Provides Smooth Harmonic Motion...**blended applicator patterns are easily achieved
- **Adjusts Between 8" to 14" Stroke Length...**provides flexibility to adapt to job conditions and expand effective work envelopes
- **Running Adjustment Capability...**the reciprocator is meant to be adjusted "on the fly" to assure paint coverage and optimal thickness
- **Compact Design...**requires minimal booth space
- **Cart Mounted...**provides for easy moving about in the booth environment
- **Interfaces Via Pneumatic Control Panel...**accommodates easy on/off capability
- **Allows for Manual Positioning...**provides flexibility in setting to target distance

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SPECIFICATIONS:

Electrical requirements:	208/230/460/ 60Hz 3Ø
Fuse:	8/4 amp
Motor Size:	3/4 hp explosion proof
Load Capacity:	150 lbs
Dimensions w/o cart:	73"H x 15"W x 15"D
Dimension w/cart:	82"H x 27"W x 34"D
Reciprocator Weight:	310 lbs
Cart Weight:	230 lbs
Total Weight:	540 lbs
Gun Mounting Bar:	1-1/2" Square

OPTIONAL CONFIGURATIONS:

Automatic Positioning

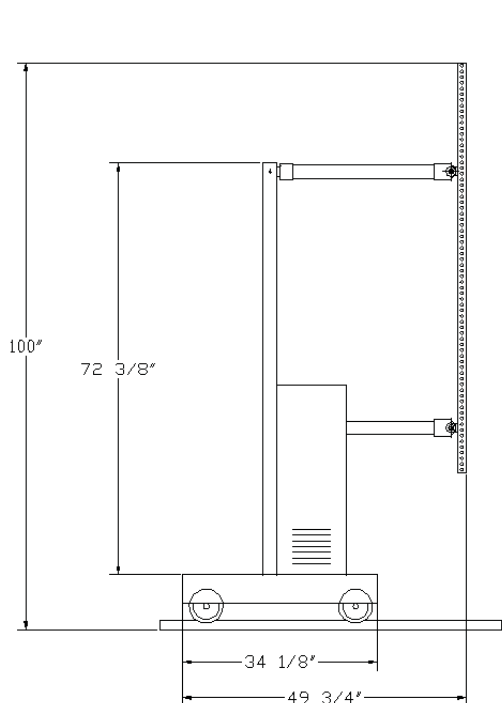
For increased application flexibility, the short stroke reciprocator can be provided with a positioning mechanism. The positioned mechanism will allow the operator or a PLC to remotely adjust the applicator to product target distances.

Variable Stroke Speed

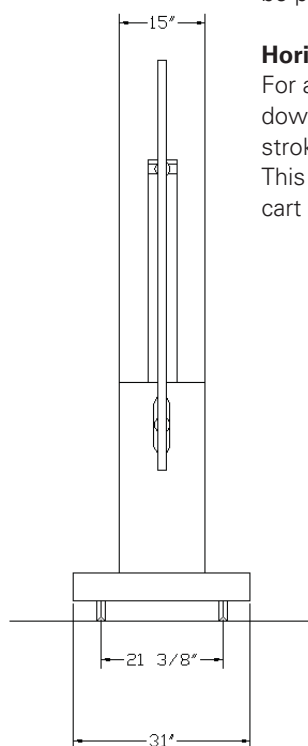
Provided in its standard configurations, the reciprocator stroke speed is fixed at 30 cycles per minute. This cycle rate is recommended for rotary atomizer applications. For automatic gun applications, a rate of 60 cycles per minute is recommended. As an option, the 60 cycle unit can be provided.

Horizontal Mounting

For applications where parts are located on a lay down or floor type conveyor system, the short stroke reciprocator can be horizontally mounted. This horizontal mounting eliminates the need for the cart and utilizes three posts for overhead mounting.



SIDE VIEW



FRONT VIEW

ITW Ransburg

ITW Ransburg
320 Phillips Ave.
Toledo, Ohio 43612-1493 USA
Tel: 419-470-2000
Fax: 419-470-2270
Email: marketing@itwransburg.com
web: www.itwransburg.com

ITW Industrial Finishing
Ringwood Road
Bournemouth
Dorset, England BH11 9LH
Tel. (44) 1202-571111
Fax (44) 1202-573488
web: www.itwifuro.com

ITW Finishing
(Shanghai) Co., Ltd.
Songjiand District
Shanghai, China 201612
Tel. (86) 21-33730108
Fax (86) 21-33730308
web: www.itwfinchina.com

ITW Oberflächentechnik
GmbH & Co. KG
Justus-von-Liebig-Strasse 31
63128 Dietzenbach
Tel. 49 (0) 6074 403 1
Fax. 49 (0) 6074 403 300
web: www.itwifuro.com

ITW Surfaces et Finitions
163-171, Av. Des Auréats
26014 Valence Cedex
Telephone: 33 (0) 4 75 75 27 53
Telecopie: 33 (0) 4 75 75 27 79
web: www.itwifuro.com



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