

*The World Leader in  
Powder Coating Systems*



**ROTARY OSCILLATOR Gun Mover**

Designed for use with automatic gun systems

**///TWGema**

**ITW Gema's ROTARY OSCILLATOR** gun mover is designed for use with automatic gun systems. The unit is both flexible and reliable, and is easily integrated into either new or existing automatic systems.

Up to eight guns can be mounted vertically on the ROTARY OSCILLATOR. Each gun can be installed at a different distance and angle from the work piece in order to achieve the optimum powder coverage and penetration. The simple slip-fit clamping allows each gun to be easily moved and adjusted to new part configurations.

### Uniformity and Consistency

Excessive overspray at the top and bottom of the stroke is eliminated, and the risk of "banding" is reduced by oscillating guns. The resulting film build is uniform and consistent, making the ROTARY OSCILLATOR a cost effective and efficient tool for a wide variety of applications.

The ROTARY OSCILLATOR has readily accessible controls, and the simple reciprocating mechanism is dependable and trouble free.

For projects requiring more precise target distance control, the ROTARY OSCILLATOR may also be used in conjunction with ITW Gema's XT-08 in/out positioner.

Each spray gun is mounted between two swivel blocks. The front block (A) is clamped to the gun, while the rear block (B) slides over the barrel of the gun. The precise positioning of the guns is achieved by slackening off the front block (A) and then sliding the gun through and re-tightening (see Figure 1).

The angular movement of the guns can be varied through 60° by simply adjusting the stroke length of the support bar. This adjustment is made by altering the position of the off-set drive on the motor cam (see Figure 2, C). The maximum stroke is at the maximum off-set on the cam.

### Simplified Control

All these adjustments to the guns and stroke settings are simple to make by means of controls that are easy to reach. Consequently, changing the gun configuration, speed and length of the stroke between batch of components on the same conveyor line is a snap.

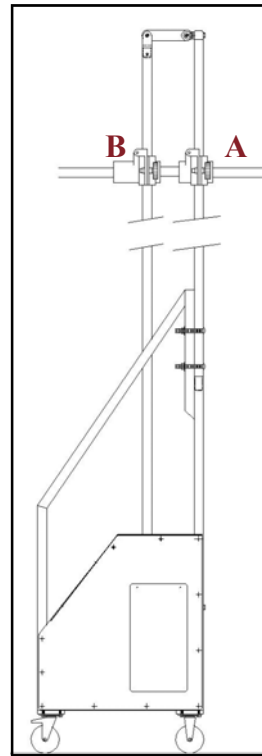


Figure 1

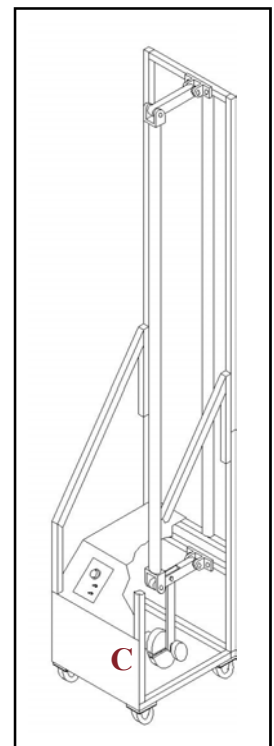


Figure 2

### Specifications:

Power requirements	110/120v or 220/240v AC
Motor	180w (.25 HP)
Gear box	Variable speed, geared, 0-3 RPM
Heights	106", 118", 130", 142", 154"
Angular movement	Infinitely variable from 0-60°
Number of guns	1-8