



# 2.5inch Drive Rolls

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## LOCATIONS

### WEST COAST

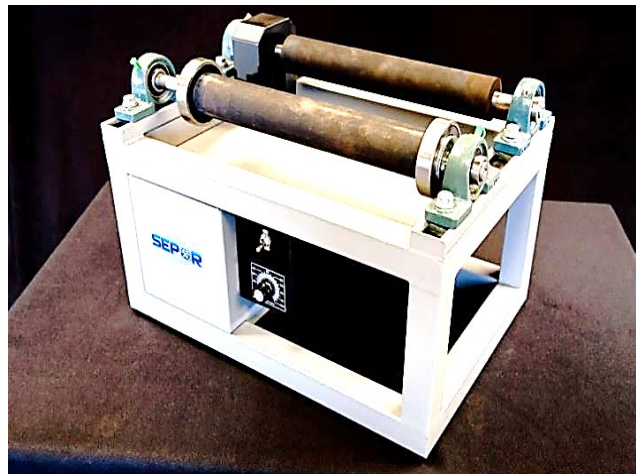
718 N. Fries Avenue  
Wilmington, CA 90744

### EAST COAST

3740 NW 124th Ave  
Coral Springs, FL 33065

## Description:

SEPOR's bench or floor type jar mill drives can be used for turning laboratory size jar mills for grinding or with Lifter Bottles for leach tests or your own bottles/containers for a variety of mixing tasks. SEPOR drive rolls are rugged in design and use 2" diameter neoprene rollers (60 Dura) with a jar stop to prevent jars from over traveling off of the end of the roll. For jar drives 48" in length and above, the roll diameter is increased to 2.5".



AC electric input is converted to DC for speed control in a 20 to 320 RPM range. The distance between rolls is also variable. A wide variety of jar sizes can be used. All units are operable on 50 or 60 Hz. 110 V/1 Ph/60 Hz or 220 V/1 Ph/50 Hz.

Optional accessories include revolution counters, automatic timers, jar positioners, and special application motors.

To determine the size of mill drive required, factors such as the diameter and weight of the jar mill should be considered. The largest diameter jar that could be used on this series of roll drives is a 10" diameter jar. The length of the jar and the number of grinding jars to be used simultaneously determine the length of the rolls and/or the number of tiers required.

EXAMPLE: If it were desired to grind four 5" diameter by 8" long jars at one time,  $4 \times 8" + 2"$  (Space Between Jars) = 40 inches of roll length required. Either a two tiered 24" long roll drive (4 24 inch long rolls) or a single tier 48" roll drive would provide the space required.

Grinding Jar Diameter (in)	Jar Grinding Speed @ 75% critical speed (RPM)	Drive Roll Speed Required to Obtain Jar Grinding Speed (RPM)
3	115	172
4	100	199
5	89	223
6	81	244
7	75	263
8	70	282
9	66	299

**Above Is Table of Grinding Jar, Roll Speeds for 2.5" Diameter Roll Drive**

<b>Catalog Number</b>	<b># of Tiers</b>	<b>Roll Length (in.)</b>	<b># of Rolls</b>	<b>Max # of Jars</b>	<b>Weight (lbs)</b>
<b>010E-027</b>	1	13	2	1	70
<b>010E-028</b>	1	24	2	2	90
<b>010E-029</b>	2	13	2	2	130
<b>010E-030</b>	3	13	6	3	155
<b>010E-031</b>	2	24	4	4	205
<b>010E-032</b>	3	24	6	6	255
<b>010E-033</b>	1	48	2	4	300
<b>010E-034</b>	1	72	2	6	385
<b>010E-035</b>	2	48	4	8	460
<b>010E-036</b>	2	72	4	12	610
<b>010E-037</b>	3	48	6	12	630
<b>010E-038</b>	2	72	6	24	640