

# Model RD-01-36-120 Rotary Drying Oven

## Operating Cost & ROI for Brass



**WET**



**DRY**

Total Natural Gas	1,200,000 BTU/Hr.
Natural Gas Cost	\$8.00 per 1,000,000 BTU - National Average
Operating Cost	1.2 x 8 = \$9.60 Per Hour
Oven Capacity	2,000 LBS/Hr. to dry Brass Chips
Cost of Operation	\$9.60/2,000 = \$0.005 LBS. of Brass Chips/Hr
Capacity per Day	2,000 LBS x 8 Hrs. = 16,000 Lbs per Day
Operating Cost/Day	16,000 LBS x \$0.005 = \$80.00 per Day
Dry Brass Sell Price/LB	\$.60 Dry Brass to Smelter
Revenue 8 Hr. Day	16,000 LBS x \$0.005 = \$80.00 per Day
Return on Investment	\$9,600 - \$80.00 = \$9520.00 per 8 Hour Day
Wet Brass Sell Price/LB	\$.48 per LB Wet Brass to Smelter
Revenue 8 Hr Day	16,000 LBS x \$.48/LB = \$7,680.00
Return on Investment	\$7,680.00 - \$80.00 = \$7,600.00
Dry-Wet Brass	\$9,600.00 - \$7,600.00 = \$2,000.00