



Republic Machine INC.

Improving Our Environment

Primary Performance Parameters

- RM EZ Service
 - Split apart machine
 - Counter knife
 - Movable anvil
 - Pinned counter knives
 - Cutter replacement
 - Tramp metal removal
 - Modularity
 - Bed length
 - Replaceable compartment plate
 - Auxiliary cutting systems
 - Vertical lift out ram
 - Vertical lift out Bearings/Rotor/Gear box
- RM Relief
 - Self cleaning
 - No trapped material for easy change over
- RM Precise
 - Ultra high speed ram
 - Closed loop control of ram speed, position
- RM Reverse
 - 4x rotation of counter knife
- RM Fluid Cool
 - Rotor
 - Anvil
- Cutter
 - Premium tool steel
 - Special treatments
 - Toughness
 - Wear
 - Shape
 - Hawksbill
 - Zoidal
 - Zoidal XL
- Drive Train
 - Falk shaft mount
 - 3 Year warranty
 - Single nut adjustment
 - Electronic soft start
 - Options
 - Fluid clutch
 - Belt free
 - Torque limiting device
- Rotor
 - Forged
 - Premium tool steel
 - 10", 15" or 20" diameter
 - Machined tool holders
 - Zoidal only
 - Weld free

Primary Performance Parameters

	<u>2 ton/hour</u>	<u>4 ton/hour</u>	<u>8 ton/hour</u>
Machine	RZ42-175-S-L-20-5-90	RZ62-300-S-L-20-5 (2)	RZ62-300-S-L-20-5
Screen	2x4 rect.	2x4 rect.	2x4 rect.
Electrical Power	480/3 vAC 300 amps	500 amps	1000 amps
Nominal Throughput	5000 #/hour 10#/cu. Ft.	10000#/hour 10#/cu. Ft.	20000#/hour 10#/cu. Ft.
Machine floor space	8'x11'	11'x18'	30'x20'
Total floor space	16'x20'	22'x30'	40'x30'
Particle size distribution			
•Average	1"	1"	1"
•Maximum	4"	4"	4"

Primary Performance Parameters

	<u>2 ton/hour</u>	<u>4 ton/hour</u>	<u>8 ton/hour</u>
<u>Capital costs</u>			
Machine	\$175,000	\$295,000	\$580,000
Facility	\$1.5 – 4 / sq. ft.	same	same
Associated equipment			
•Conveyors	\$80,000	\$100,000	\$150,000
•Dust suppression	\$20,000	\$20,000	\$40,000
•Metal detection	\$20,000	\$20,000	\$40,000
•Storage	\$20,000	\$40,000	\$80,000
Total	\$315,000	\$475,000	\$890,000

Primary Performance Parameters

	<u>2 ton/hour</u>	<u>4 ton/hour</u>	<u>8 ton/hour</u>
<u>Operating costs</u>			
Direct labor \$10/hr*130% 24/5	\$85,000	\$85,000	\$170,000
Indirect labor \$10/hr*130%	\$85,000	\$170,000.	\$250,000
Maintenance			
• Primary cutting surfaces	\$100,000	\$250,000	\$500,000
• # of rotations	2x cutters 4x knives	same	same
• Other wear parts	\$20,000	\$30,000	\$60,000
Utilities	\$100,000	\$150,000	\$300,000
• Diesel			
• Electricity			