



International Marketing, Inc.

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THE NEW IMI SERIES 2020 (7' GAS) WHEEL & RIM REFINISHING SYSTEM COMPONENT & MODULE ELECTRICAL REQUIREMENTS AND AMPERAGE DRAWS

THREE BREAKERS ARE REQUIRED FOR THE SYSTEM.

| | POWDER SYSTEM | 208/3/60 | 230/3/60 | 460/3/60 | 575/3/60 |
|--|---|----------|----------|---|----------|
| B R E A K E R #1 | (1) Shot Blaster (2) 15 Hp Blast Motor (1) ¼ Hp Tumbler Drive (1) 1Hp Elevator Drive | | | 37.20 Amps (total) <u>x 1.25</u> 46.50 | |
| | Dust Collector –TD486 (1) 3 Hp Dust Collector Fan | | | 6.4 Amps <u>x 1.25</u> 8 | |

Three breakers are required for the system – (1) Blaster/Dust Collector, (1) Booth and (1) Oven. The Blaster and Dust Collector are interconnected by control wiring. The Blaster will need 7” diameter ductwork run between it and the dust collector. The powder booth is self contained and needs no duct work. The oven has a 12” diameter transition for ductwork and needs to be ducted outside.

| | POWDER SYSTEM | 208/3/60 | 230/3/60 | 480/3/60 | 575/3/60 |
|------------|---|-------------------------------------|----------|--|----------|
| # 2 | 270,000 BTUH 7' Catalytic Gas I.R. Oven 2hp exhaust fan w/ 2000 cfm air movement 1” main gas train 2-7 psi natural gas 12” exhaust duct | | | 32 Amps 60 Amp disconnect Operating Amps = 5 | |
| # 3 | Powder Collection Booth (1) 3 Hp Motor | | | 8.75 Amps | |
| | Powder System Total: | | | 95.25 Amps | |
| | Electric Hoist | .4hp – 120V – 6 AMPS – single phase | | | |

Additional wiring will be needed to interconnect the Blaster and Dust Collector, and the Powder Gun Applicator to the Powder Collection Booth. An earth ground rod will be needed for grounding the booth, gun and monorail.

Pneumatic Requirements:

- 1 – 3/4” compressed air supply with minimum 60 scfm @ 100 PSI
- 3 – ½” drops: Blaster, Booth, Oven