



# International Marketing, Inc.

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## THE NEW IMI SERIES 2020 (14' GAS) WHEEL & RIM REFINISHING SYSTEM (Dual Blaster) 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>B<br/>R<br/>E<br/>A<br/>K<br/>E<br/>R<br/><br/>#1</b> | (2) Shot Blasters<br>(2) 15 Hp Blast Blades<br>Motor(ea.)<br>(1) ¼ Hp Tumbler<br>Drive(ea.)<br>(1) 1Hp Elevator Drive(ea.) |          |          | 37.20 Amps<br>(total)<br>$\times 1.25$<br>46.50 (ea.)<br>$\times \underline{2}$<br>93 |          |
|  | Dust Collector –DFO2-4<br>(1) 5 Hp Dust Collector Fan  |          |          | 6.4 Amps<br>$\times 1.25$<br>8  |          |

Five breakers are required for the system – (2) Blasters, Dust Collector, Booth and Oven. The Blasters and Dust Collector are interconnected by control wiring.

The Blasters will need 7” diameter ductwork connected to a 10” diameter header section on 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 |
|------------|---|-------------------------------------|----------|--|----------|
| <b># 2</b> | 540,000 BTUH<br>14' Catalytic Gas I.R. Oven<br>3hp exhaust fan<br>w/2200 cfm air movement<br>1" main gas train<br>2-7 psi natural gas<br>12" exhaust duct |                                     |          | 46 Amps<br><br>60 Amp<br>disconnect<br><br>Operating<br>Amps = 5 |          |
| <b># 3</b> | Powder Collection Booth<br>(1) 3 Hp Motor   |                                     |          | 8.75 Amps  |          |
|            | Powder System Total:  |                                     |          | 155.75 Amps  |          |
|            | Electric Hoist  | .4hp – 120V – 6 AMPS – single phase |          |  |          |

Additional wiring will be needed to interconnect the Blasters 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
- 4 – ½” drops: (2) Blasters, Booth, Oven