



# NO DOWNTIME DURING CLEAN-OUT

## Ideal for tool makers, rapid prototyping and technical molding.

### NO INTERRUPTION

No interruption of the drying process occurs during on-the-fly material change.

### SPEED OF DRYING

The LPD Vacuum Dryer dries resin six times faster than desiccant dryers.

### ENERGY SAVINGS

Side-by-side testing of the vacuum dryer and a desiccant dryer shows reduced energy consumption of 60% less energy.

### 3-STAGE DRYING TECHNOLOGY

Unique patented 3-stage drying technology with "zero maintenance" required as the use of desiccant is not required.

### LOW MATERIAL STRESS

Due to quick drying time, material is not put under un-due stress, eliminating material degradation.

### TECHNICAL MATERIALS

The LPD vacuum dryer dries technical materials, such as PA, rapidly and precisely ensuring product quality.

### MODULAR SYSTEM

The modular nature of the LPD dryer allows for increased throughput with larger heating hopper.

### SIMPLE CONTROL

The LPD controller can be easily removed for service or replacement and replaced in minutes. The main functions are set simply via two thumbwheels on the LPD controller.

### ALARMS

Alarms are shown on the display and signalled by an audible alarm and strobe light with silence function. The last 35 alarms are recorded via the keypad.

### MATERIAL MANAGEMENT

The LPD-30 produces smaller batches for better material management.

### 5-YEAR WARRANTY

Backed by our 5 year warranty program, no exclusions, no registration.

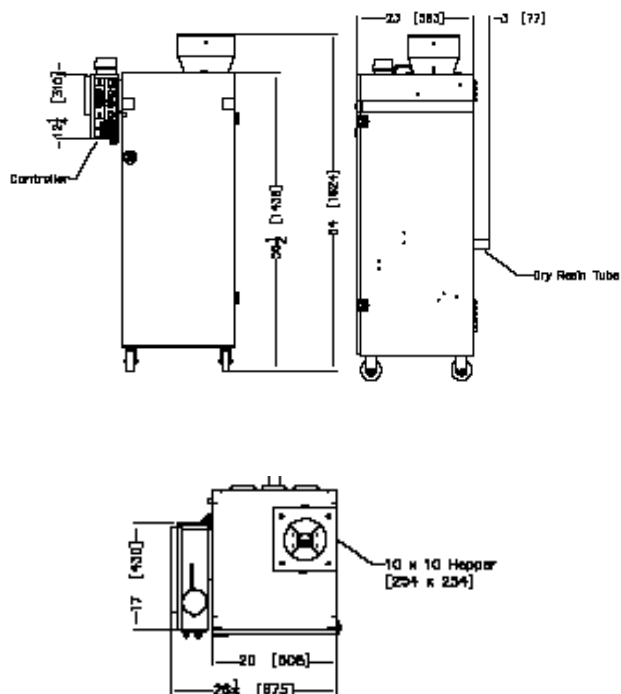
### REDUCED FLOOR SPACE

The floor space required for this vacuum drying unit is reduced as there are no separate drying hoppers required.



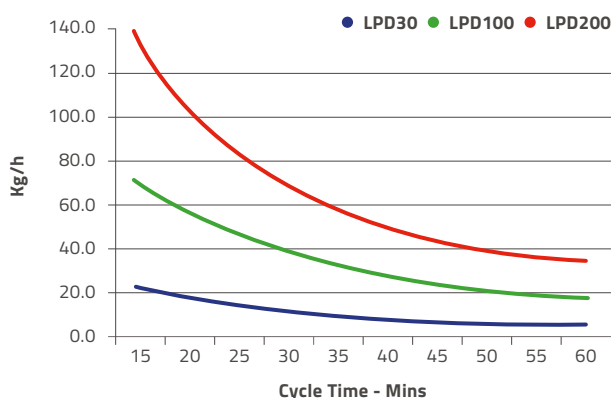


## Dimensions:



## Throughput Ranges:

Sample Kg/h throughput rates based on typical 0.7 bulk density at different cycle times. This information is for guideline purposes only and does not represent a guaranteed Kg/kW value.



## MATERIALS DRYING TIMES

| Material | Final Moisture % | Cycle Time | Drying Temp°C | kW/Kg |
|----------|------------------|------------|---------------|-------|
| ABS      | 0.10             | 20-25      | 80-85         | 0.053 |
| ABS/PC   | 0.02             | 25-30      | 100           | 0.082 |
| LCP      | 0.02             | 20-50      | 150           | 0.144 |
| PA       | 0.20-0.10        | 20-30      | 80-85         | 0.051 |
| PBT      | 0.02             | 20-25      | 120           | 0.087 |
| PC       | 0.02             | 20-25      | 120           | 0.087 |
| PC/PBT   | 0.02             | 20-25      | 125           | 0.090 |
| PEEK     | 0.20-0.10        | 25-30      | 150           | 0.104 |
| PEI      | 0.02             | 30-40      | 150           | 0.156 |
| PES      | 0.05-0.02        | 25-30      | 150           | 0.130 |
| PET IMM  | 0.01             | 30-35      | 150           | 0.137 |
| PMMA     | 0.02-0.04        | 30         | 85            | 0.079 |
| POM      | 0.20-0.10        | 25         | 80-110        | 0.065 |
| PPO      | 0.02             | 25         | 100-120       | 0.100 |
| PPS      | 0.02             | 25         | 150           | 0.150 |
| PUR      | 0.02             | 25         | 125-140       | 0.115 |
| Max      | 0.02             | 25-30      | 150           | 0.150 |
| PSU      | 0.20-0.10        | 20-40      | 80            | 0.056 |

## TECHNICAL DATA

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Model                                  | LPD-30                                          |
| Throughput (Based on 20min cycle time) | 15kg/h - 33lb/h                                 |
| Canister Volume                        | 9 litres - 0.32cu ft                            |
| Max Temperature                        | 180°C - 356°F                                   |
| Installed Power                        | 4.37Kw                                          |
| Pump kW                                | 0.37kw                                          |
| Compressed Air Usage                   | 0.25m³/h - 0.147cfm                             |
| Shipping Weight & Size                 | 300Kg - 660lb<br>100x90x190cm<br>40x35x75inches |

## MAGUIRE WORLDWIDE DISTRIBUTION LOCATIONS



### Maguire USA

Aston, PA, USA  
T: +1 610 459 4300  
F: +1 610 459 2700  
E: info@maguire.com

### Maguire Canada

Ontario, Canada  
T: +1 905 879 1100  
F: +1 905 879 1101  
E: info@maguirecanada.com

### Maguire Europe

Staffordshire, UK  
T: +44 1827 338 280  
F: +44 1827 338 285  
E: info@maguire-europe.com

### Maguire IMEA

Dubai, UAE  
T: +971 4 881 6700  
E: info@maguire-imea.com

### Maguire Asia

Singapore  
T: +65 6848 7117  
F: +65 6542 8577  
E: magasia@maguire-products.com.sg

### Maguire China

Shanghai  
T: +86 21 5882 3410  
F: +86 21 5882 3420  
E: amber@maguirechina.com