



23293

Electric Curing Oven

T-MECH

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Specification

Product Description

This oven is used in the production process of powder curing. Place the powder coated work piece inside the oven to achieve a perfectly coated finish. With 2 shelves and 5 rails per shelf, there's plenty of room for hanging your powder coated metal work to dry.

This product can be hard wired, or wired onto a 32AMP plug.

We at Monster Group UK understand that this is a new and exciting purchase, and although it is tempting to get stuck in, please carefully read these instructions before you start using the machine.

Please Note: The T-Mech Powder Coating Oven is designed to be used by a competent person. It should not be used or stored in wet or damp conditions.

Please refer to and read Safety Advice, Safe Working Practice to ensure prevention of injury or damage to the device before starting.

Technical Information

Voltage:	220V 50/60Hz
Power:	6.5kW
Insulation Plate:	10cm
Warm Up Time:	25-30 minutes (180°C)
Temperature Stability:	< ±1°C
Temperature Range:	0-250°C

Product Specifics

External Measurements with control box & wheels: 234.5cm H x 125cm W x 109cm D

External Measurements exc. control box & wheels: 221cm H x 109cm W x 109cm D

Internal Measurements: 161.5cm H x 79cm W x 84cm D

Rail Hanging Space: 76cm H x 58.5cm D

Weight: 450kg

Specification

Product Features

- 1) Oven Body
- 2) Fan
- 3) Electric Control Unit
- 4) 2 x Shelves- removable rails

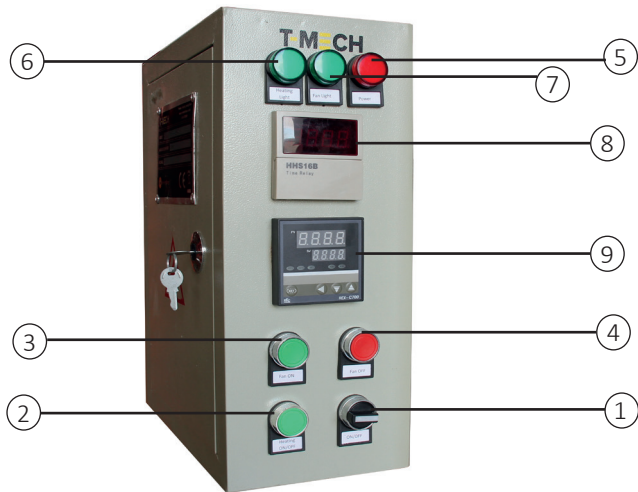


Specification

Product Features

Control Panel:

1. ON/OFF Switch
2. Heating ON/OFF
3. Fan ON
4. Fan OFF
5. Power Light
6. Heating Light
7. Fan Light
8. Timer
9. Temperature Control



Monster Guarantee

If you wish to return a product in perfect working order, we provide a 30 day returns policy as long as the item is unopened and in a resalable condition.

A 12 month warranty applies to all of our electrical products, we will cover labour, parts and delivery charges. Our policy is to try and fix the item before arranging an exchange or refund. For full terms and conditions contact our Support department via the details on the Contact page.

Safety Advice



Safe Working Practice

Please read through the safe working practice to ensure prevention of injury or damage to the device.

This oven must be installed on a dry, level and solid ground.

The area must be clean and well ventilated.

Do not install in a damp environment or in an area with high humidity.

Do not install outdoors or in an area without sufficient cover.

Do not install in an area exposed to flammable or corrosive gases.

The ambient temperature of the area must be between 0 and 40°C.

The oven should be installed approximately 1m from any wall in order to provide sufficient ventilation.

You must wear a tyvek suit or appropriate coveralls to protect your skin, as the powder material/paint can cause irritation.

You must wear gloves and sufficient eye protection at all times, as the powder material/paint can cause irritation.

Make sure the work piece can fit in the oven prior to coating it.

Do not use the powder curing oven for food. The fumes from the powder coating can be toxic. Each time the oven gets turned on, the paint's fumes get reintroduced. Make sure you wear a dust mask.

Make sure the work piece has properly cooled before handling.

Make sure the door is securely closed before curing begins, this will prevent the hot air from injuring the operator.

When servicing, you must turn off the power supply.

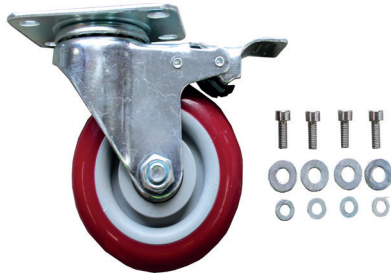
The maximum furnace temperature is 250°C, over-temperature use is strictly prohibited.

Do not put fingers through the vent at the bottom of the oven as the elements can be hot.

User Guide

Assembly Instructions

1. Before you can begin operating your Electric Curing Oven, you will need to attach the four wheels included in your package.
2. Thread the bolt and small washer through the wheel.
3. Then thread the bolt through the larger washer and into the bottom of the oven.
4. Secure the wheel into place.
5. You can also apply the breaks on the wheels, keeping your oven secure.



User Guide

Powder Coating

1. You should wear a Tyvek suit/coveralls and gloves to protect your hands and skin. Eye protection should be worn at all times. A dust mask will protect you from inhaling any paint, as electrostatic paint can dry out your skin and cause irritation, especially if inhaled.
2. Determine the type of material you are going to powder coat and select a suitable powder for the finish.
3. Dismantle all threaded or lubricated interfaces before you begin, including anything you don't want coated. The powder coat you apply will adhere to everything on your rig, this will make clamps, bolts and nuts useless after blasting. A high temperature masking tape can be placed on the parts you don't want powder coated, and it can be left on while in the oven, but it will need to be removed quickly afterwards.
4. Clean the base metal thoroughly. Remove any rust or debris from the metal.
5. Apply the powder to the object to be powder coated. This is done using a spray gun or a compressed air sprayer which charges the powder material so that it sticks to the base metal object receiving the coating. After applying the powder, be careful not to brush or blow on the powder coat, as the powder could fall off and leave you with a less precise finish.
6. Cure the metal at an appropriate temperature for the powder material you are using. Normally the object is heated to 175 to 190°C (350 to 375°F) for about 10 to 15 minutes, and allowed to cool. The curing oven raises the product mass and coated material to a specified temperature for a set time.

User Guide

Operation Instructions

1. Place the work piece on the rails and shut the door. Make sure the door is securely closed.
2. Turn the start switch to ON on the control panel. The power light will light up and the display screen will turn on.
3. Turn on the heating and fan. The heating and fan lights will light up.
4. Set the desired temperature and holding time. The timer will turn on when the set temperature has been reached.
5. If the temperature is reached after your set time value, the time will automatically change.
6. Once it is cured, turn off the machine.
7. Allow the work piece to cool before handling. You will need high temperature gloves and a suit to remove the part from the oven.

Temperature should normally be set between 175-200°C. The time you need to cure will depend on the item and its thickness.

You can set the temperature by pressing 'SET' and using the arrows to change the temperature. SV represents your Set Value and PV represents the Measured Value (the current temperature inside the oven). Once the SV temperature is reached, the curing oven will automatically begin to count down. Press 'SET' to apply the temperature settings.

Maintenance Instructions

When performing maintenance on the Electric Curing Oven, you must cut off the power supply beforehand.

1. Keep the oven clean and the fan clear.
2. Lubricate the mounting bearings regularly.

Troubleshooting

Resolution Guide

Please read through the guide below if you have any issues or faults with your device. The information covers and resolves the majority of frequently asked questions.

Q: There are parts missing from my order.

A: If there appears to be any part missing from your package contact our Customer Support team via the details on the Contact Us page within 7 days of receipt.

Q: The oven will not turn on.

A: The power supply may not meet the requirements of the specification. Check that you have the correct power supply, and that it is supplying the correct voltage. Check that the power cord plug has not become loose.

Q: The switch is not on but the temperature keeps rising in the oven.

A: The heating AC contactor may be bonded together. You will need to replace the AC contactor. Seek professional advice if unsure.

Q: The temperature is unusually high.

A: The thermcouple may not be working and may need to be replaced. However the work piece may not be placed in the oven correctly or the door may not be shut tight. You can easily move the work piece, but make sure the machine is turned off first, as when closing the door.

Q: There appears to be an electrical fault.

A: Do not touch or tamper with any of the wires or components. Repair or maintenance of inside the control box should only be carried out by skilled electricians.

For all other issues please contact our Customer Support department via the details on the Contact page.

Contact Us

Sales Department

For information regarding this device or other products from our Monster divisions please use the following details below.

Tel: 01347 878888

Email: hello@monstershop.co.uk

Support Department

For queries about this device, warranty, returns or reporting faults please use the following details below.

Tel: 01347 878887

Email: help@monstershop.co.uk

Website

To view our product range and fantastic offers in the Monster Chef division please visit our website

www.monstershop.co.uk

Address

To visit our office Monster House and view our products, send postal correspondence or return items our address is provided below.

Monster House, Alan Farnaby Way, Sheriff Hutton
Industrial Estate, Sheriff Hutton, York YO60 6PG



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