

THE MINIMELT FURNACE

Glassblowing Studio for Professionals

minimelt
glass



Minimal Melting time

The MiniMelt furnace is designed specifically for rapid melting. It enables small scale and impulsive glassblowing, whilst keeping time and costs to a minimum.

Practise makes Perfect

This combination furnace is ideal for prototype glass, small production runs, training and mobile demonstrations. It is a powerful mobile glassblowing unit that combines the melting capacity of a furnace with the reheating aspects of a glory hole. It's time to start saving space and energy!



Glassblowing, Anywhere

This furnace gives every glass maker the freedom to travel or is ideal if your studio cannot accommodate a large footprint. The MiniMelt is easily disassembled by detaching the trolley base and transporting in two pieces. It is designed to be kept in a well-ventilated area with good air extraction. The outdoors is perfect! On a beach, in a field...

Built to Outlive

We use British stainless steel due to its high resistance against rust. We go above and beyond to make sure that our clients get the best long-lasting kit possible... even our mild steel MiniMelt furnaces have lasted more than 20 years.



SPECIFICATIONS

| | |
|----------------|---|
| Attachment | LPG Gas bottle - uses 30kg per 10hr |
| Glass Capacity | 15kg |
| Weight | 185kg |
| Width | 60cm - the detachable burner extends a further 20cm |
| Length | 75cm |
| Height | 130cm |
| Door Openings | 28cm, 20cm or 12.5cm |

Bespoke, Hand-built Design

Our technicians build these furnaces to high standards, ready for you to 'plug-and-play'. The crucible has a capacity of 15kg glass, with a melt time of approximately two hours. The drum can be lifted off to access the crucible which will need to be replaced between 50 to 90 melts (how many times you light your furnace). We require a 50% deposit before the 12-week production can begin on your custom combination furnace.

Maintenance

If you are familiar with glassblowing studios you will be aware that maintenance is required. Good housekeeping will prolong the life of all parts; for example, the crucible and other interior pieces. The crucible changeover is the biggest task you will need to perform. The crucible will deteriorate overtime, this is just a natural part of glassmaking. The amount of melts you get from each crucible will differ for every client. This is mainly due to how much abuse it's given! It will last much longer when it is *completely* emptied after use and does not have much glass spilled outside of the crucible. **The next page will explain further but please contact us with any questions.**



Helping you keep the running and maintenance costs down, as well as offering technical advice, we will guide you through a typical day of working with the furnace. Visiting us will give you solid, detailed information about using the furnace and accessories in a safe, sustainable manner, such as the burner.

Meet the Furnace

Our MiniMelt furnace was born from a vision of practising with hot glass, after waiting only a few hours. Most importantly however, it's able to be turned off at the end of the day to save money and reduce environmental impact. The glass blowing master and founder of MiniMelt Glass, KT Yun, has worked in many studios across the world and understands the business and personal commitments required for efficiency - both economically and ecologically. KT and the team will teach you the best practises for using the furnace that will stay with you for life.

Maintenance

Maintenance is required from time to time. The biggest task, is the crucible changeover. The crucible will deteriorate, and lasts between 50 and 90 'melts' - how many times the crucible is lit. With our guidance and your care you may get many more melts. The crucible typically takes a day labour to replace and MiniMelt technicians are available all through the year to assist with any on-site or remote maintenance needed to get your furnace running as efficient as possible. The maintenance can be carried out by yourself but we do recommend that you consider spending a day with one of our technicians.

What to Expect

Typically, we welcome you to start the day at 0900AM with a coffee and meet our team. You will then light the equipment and watch the magic happen! At 1100AM you will top the crucible up with more glass and wait until all the glass has fully melted. As soon as the glass is ready, you can pick up a blowing iron and start glassblowing. Our friendly technicians will be happy to assist you during these few hours, so you can really test the capabilities of the furnace. Produce or play? You decide! Lunchtime is whenever you prefer and a delicious meal will be prepared by the local farm shop. Around 1500PM we will show you how to empty the crucible and then you will turn the furnace off and pack away the equipment.



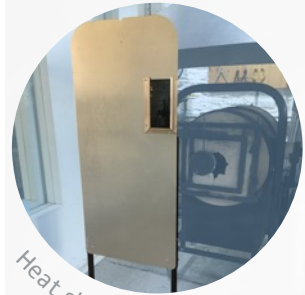
Where to Find us

We are based in a lovely barn in the beautiful area of the Southwest England, with plenty of accommodation nearby. MiniMelt HQ is in a rural area, only 1 hour from Bristol Airport (BRS) and we will advise the best options for travelling.

Look up Stowford Manor Farm, Wiltshire BA14 9LH.

Recommended by Clients

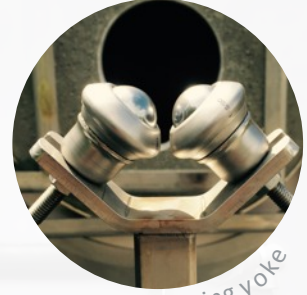
During the induction we'll give you tips to reduce gas consumption and maintenance tricks. It's a very relaxed, enjoyable day at our beautiful countryside barn and will really help when it comes to lighting your own furnace! The existing MiniMelters across the globe have all benefited deeply from the induction day. Visit our website to read more about the MiniMelts of the World.



Heat shield

The MiniMelt 500 furnace

This is the main combination glory-furnace with a bespoke crucible and furnace burner which is fitted to UK POL LPG attachment. We recommend using your local gas engineer to suitably fit the required regulator attachment if UK POL is not the correct fitting for your gas supply. The furnace comes complete with a detachable swinging yoke that can hold heavier glass pieces or be moved out of the way when not required.



Swinging yoke

Heat protection shield

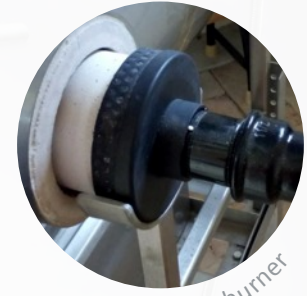
This freestanding shield provides vital protection from the intense heat and CO2 that is expelled by the furnace burner. There is viewing window made from welding glass, and the overall height is adjustable.



Pipe Warmer

Pipe warmer

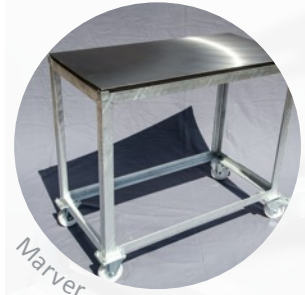
This essential equipment will reduce time spent waiting for your irons to heat up, ultimately savings gas costs. Achieve optimum results by keeping your irons ready for use with a pipe warmer. Includes a freestanding iron rest. You will also receive the pipe warmer burner. When introducing cold irons into the furnace, cold glass which is on the end of the iron will explode, and damage the interior of the furnace. You can avoid damaging the interior by using a pipe warmer with a safety shute - this will direct the exploding glass safely. Options to add a safety shute and colour warming compartment.



Furnace burner

Rolling yoke

The rolling yoke helps you manage larger or heavier pieces by resting the iron onto the yoke and rolling it towards the furnace as needed.



Marver

Collapsible Work Bench

A simple, mobile bench made with a strong stainless steel frame. It includes a table for tools and an under-seat shelf. We can supply this with or without the wood seat.



Regulator & Hose

Marver

You'll need a marver (table) to shape, cool and centre your piece. We offer a standard size of 300 L x 50 W x 90 H mm. You can purchase the marver top alone.

Collapsible Charging Shovel

This is used to load the glass into the crucible with a 145 cm handle with safety vent, easy to transport and store.



Charging Shovel

Collapsible Emptying ladle

The ladle is used to empty hot glass at the end of the day and has a 145 cm handle with safety vent and collapsible feature for minimal storage space.



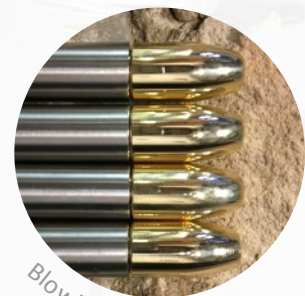
Emptying Ladle

Pastorelli Fork

This is used for lifting and moving hot plates to the furnace or marver table with a 145 cm vented handle.

Blowing Irons

The essential iron to make any blown piece! With an easy to use brass mouthpiece: Set of 3 stainless blowing irons measuring 130 cm long overall.



Blowing irons

Punty Irons

We supply a kit with a selection of Irons. You will receive -
4 x 120cm length Punty irons (2 x 14mm round and 2 x 12mm round)
4 x 140cm length Gathering irons (4 x 10mm round)

Personal Protective Equipment

Kevlar sleeves, gloves and glasses cover all basis to protect yourself against the high temperatures.



The MiniMelt