

User Friendly, Low Cost, Low Temperature Casting

What is the LT1?

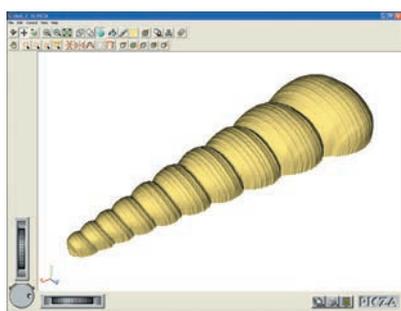
The LT1 Low Temperature Casting System is a cost effective and safe method to cast Lead Free Metal and MCF Low Melting Point Alloy in a standard classroom environment.

Why Casting?

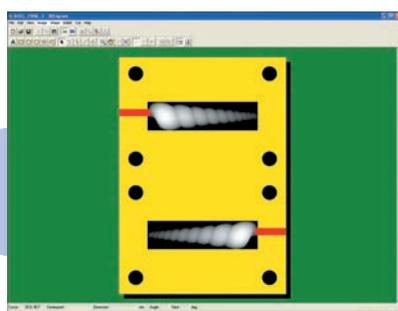
Creating a product from a molten material is a magical process. However, due to a lack of hot metal facilities, a lack of expertise, and or concerns over Health and Safety, many teachers are put off incorporating it into their lessons. Flamefast have always been at the forefront of hot metal equipment and so it should be no surprise that they have created a product that answers this issue.

How does it work?

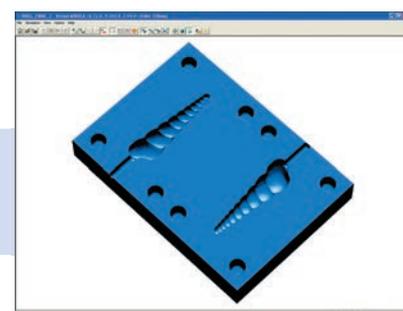
The LT1 is simple, easy and safe to use. It only requires a standard 240V 13A socket and does not need any extraction. The Lead Free Metal (usually Pewter) is added to the internal melting pot through a swivel lid, on top of the unit. Once the LT1 has been switched on it only takes about 15 minutes to get up to temperature, whilst the unique cooling system keeps the entire case cold to touch. Place the mould into the special pouring trough and insert it into the unit so that the approach hole of the mould is under the pouring spout. Gently depress the pouring lever until the approach hole is full of metal and then carefully remove the pouring trough. When the metal in the approach hole has visibly set, the mould can be removed from the pouring trough, and after a couple of minutes the two halves of the mould can be separated.



Shell scanned on a RotoCAMM MDX-40AE



Mould designed in 3D Engrave



Mould previewed in Virtual Modeler

How do I create a mould?

With CAD/CAM, students have the ability to design and manufacture accurate and detailed products. Whether the mould is designed with 2D Design, 3D Engrave, SolidWorks, etc., your pupils can produce either simple or complex designs. Once designed the mould can be machined on any of TechSoft's miller/routers. Moulds can be machined in a variety of materials, but we have found that Jelutong and MDF offer a good finish at a reasonable price. Jelutong does however have one great advantage over MDF in that it machines in a fraction of the time. When CAD/CAM and casting are put together a whole new world of designing and making is opened.

Specification

| | |
|---|---|
| Weight: | 10kg (approx.) |
| Dimensions: | 242(W) x 280(D) x 300(H)mm |
| Max. Mould Size: (using mould holding device*) | 100 x 100 x 30mm *Larger sizes can be achieved without the use of the mould holding device |
| Crucible capacity: | 2.3kg |

What's Included

Accessories

Supplied with 1kg (approx.) of lead free pewter.

Warranty

| | |
|------------------------|---------------------------|
| UK Mainland & Ireland: | 1 Year Return to Base |
| Elsewhere: | 1 Year Return and Collect |

Prices £*

*See Pricing Information on page 2

LT1 - Low Temperature Casting System

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|---------------|--------------------------------|--|
| TM-LT1 | Low Temperature Casting System | |
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Casting Accessories

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|--------------------|-------------------|--|
| TMP-LT1-MC | Mould Carrier | |
| TMP-LT1-MCC | Mould Clip Spring | |

Casting Materials

| | | |
|------------------|---|--|
| TA-PEWTER | 1kg Lead Free Pewter (245°C approx.) | |
| TA-ALLOY | 1kg Low Melting Point Alloy (135°C approx.) | |

Jelutong

| | | |
|-------------------|-------------------------------------|--|
| TA-JELU-50 | Pack of 50 blocks (100 x 70 x 15mm) | |
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