

## Thermal Cleaning

### The Hot Runner

With the advancement of hot runner technology, parts may now be moulded that were previously not economically viable. However, despite all the advantages of this technique, one question must be answered:

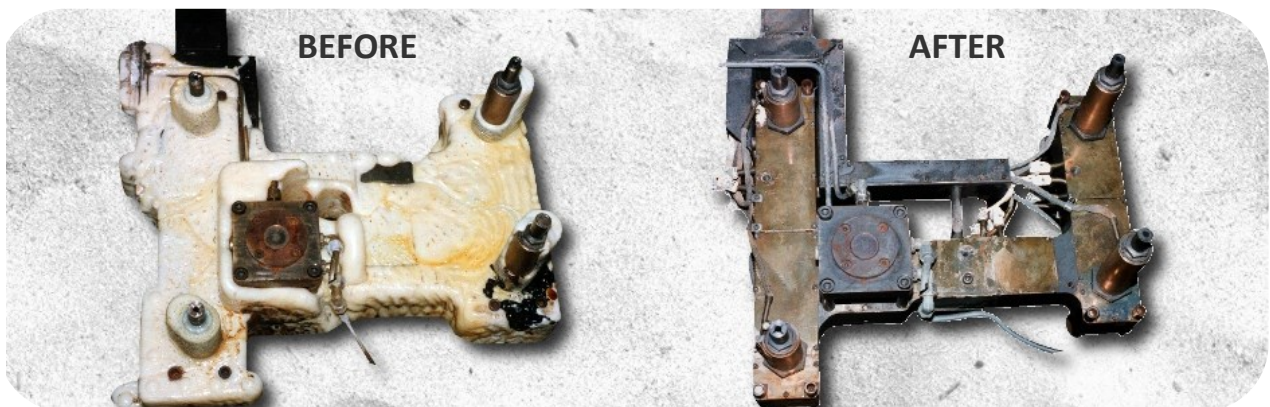
#### **“How do I clean a Hot Runner?”**

Manual cleaning is impossible due to the long inaccessible flow channels; purging compounds are only partially successful.

Clayton Thermal Processes has the answer to this problem and offers a suitable process for any size of tool.

### Fluidised Bed Furnaces

A fluidised bed offers a highly effective, fast thermal cleaning process for contaminated parts. All polymers can be cleaned including PVC, PEEK and sulphur containing polymers.



### Advantages

- Complete cleaning, even in the very last corner of the part.
- Suitable for glass filled polymers.
- Short cleaning cycles (compared to manual techniques).
- Effective, high quality cleaning.
- No thermal or mechanical damage to the parts.

### Clayton Thermal Processes Ltd

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## Polymer Cleaning

### Fluidised Bed Polymer Cleaning Service

Using fluidised beds we are able to offer a cleaning service on a sub contract basis. Parts delivered to our works will be returned within 24 hours or by arrangement even faster :

Polymer materials that may be removed include

- **Polyethylene**
- **Polypropylene**
- **Polyester**
- **Polycarbonate**
- ... and many more



All types of machine parts will benefit from Fluidised Bed Cleaning including:

- **Breaker Plates**
- **Filter**
- **Spinnerets**
- **Injection Nozzles**
- **Static Mixers**
- **Hot Runner Systems**

Parts up to 500 kg,  
900 mm diameter,  
and 1200 mm long can be cleaned.

*For more information visit  
[claytonholdings.com](http://claytonholdings.com)*

*or email  
[rk@claytonholdings.com](mailto:rk@claytonholdings.com)  
to discuss your requirements*

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