



Polymer Cleaning Technology, Inc.



QUALITY HOT RUNNER PARTS

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We Are PCT

If You Have a Hot Runner Parts Problem, PCT Has the Solution

PCT is one of the largest independent providers of high-quality hot runner spare parts globally.

We manufacture our parts at our state-of-the-art facility. **All PCT parts match OEM parts in their accuracy, material, and coatings** at significant savings and reduced lead times.

In addition to a wide range of stock parts ready for same-day shipment, we have an unrivaled **ability to reverse engineer** any component.

PCT Parts are at work in more than 50 countries, and with over 30 years of experience, we can provide parts of unrivaled quality and unrivaled prices!

Contact us today, and let us start solving your Hot Runner Parts Problems!



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Insulators

STANDARD AND CUSTOM NOZZLE TIP INSULATORS



All Insulators are manufactured by PCT from Vespel SP1. We maintain a large inventory of stock parts ready for immediate shipment.

A complete list of stock parts is shown below. All PCT Insulators are compatible with Husky™ and Manner™ produced parts.

HUSKY™ COMPATIBLE PARTS

| | | | |
|---------|---------|---------|----------|
| 534181 | 2246817 | 2660463 | 3382141 |
| 534182 | 2305619 | 2705001 | 3554510 |
| 534217 | 2352905 | 2735763 | 4863218 |
| 535415 | 2429379 | 2838206 | 4908575 |
| 535431 | 2448515 | 2895875 | 4908576 |
| 535469 | 2504076 | 2895876 | 5050962 |
| 536659 | 2506844 | 2896720 | 5233073 |
| 1193971 | 2613055 | 2948708 | 5233082 |
| 2071426 | 2633927 | 3019811 | 5470645 |
| 2221327 | 2644153 | 3104965 | 55011583 |
| | | | 6171062 |
| | | | 6171081 |

MANNER™ COMPATIBLE PARTS

| |
|------------|
| 002-404-32 |
| 002-465-61 |
| 401-901-02 |
| 401-901-26 |
| 002-024-87 |
| 002-103-36 |
| 401-901-11 |

Don't see the insulator you need? Getting a quick, firm price is as Easy as 1-2-3!

1. Measure the diameter of your insulator
2. Measure the height of your insulator
3. Snap a photo of your insulator with your camera phone and email your photo to Sales@PolymerCleaning.com

A firm price quote will be sent within 24 hours. Turnaround times on custom orders is usually 1-2 weeks.

Thermocouples

MINERAL INSULATED THERMOCOUPLES FOR NOZZLES AND MANIFOLDS

PCT supplies a wide range of thermocouples for all hot runner systems. We maintain a large inventory for immediate shipment.

- Nozzle Thermocouples
- Manifold Thermocouples
- Grounded and Ungrounded Types
- A variety of lead wire coverings - kapton, fiberglass, teflon, etc.
- Wide variety of termination styles

HUSKY™ COMPATIBLE PARTS

| | | | |
|--------|---------|---------|---------|
| 533243 | 536194 | 2101933 | 4580501 |
| 533515 | 692743 | 2220822 | 4580503 |
| 533516 | 692744 | 2283615 | 4580504 |
| 534443 | 692745 | 2408509 | 4580505 |
| 534541 | 692747 | 2619857 | 3784001 |
| 532002 | 1502149 | 2651985 | |
| 535037 | 1503163 | 2652742 | |
| 535681 | 1503171 | 2652746 | |
| 535709 | 1750800 | 2672731 | |
| 535822 | 2088210 | 4192173 | |

Don't see what you need? PCT has supplied a wide range of custom thermocouple assemblies!

Getting a quote is easy as 1-2-3!

1. Snap a picture of the thermocouple you need
2. Tell us if it is grounded or ungrounded
3. Tell us the type of lead wire coating you want
4. Email your photo to Sales@PolymerCleaning.com

A firm price quote will be sent within 24 hours. Turnaround times on custom orders is usually 1-2 weeks.

Nozzle Tips



PCT is a leading supplier of nozzle tips and retainers for all types of systems. Our tips are fabricated from OEM compatible materials, coatings and tolerances.

Large variety of the most common tips and retainers are kept in inventory for immediate shipment.

We fabricate tips from a variety of materials-

- Beryllium Copper
- Titanium
- H-13
- TZM



HUSKY™ COMPATIBLE PARTS

| | | |
|---------|---------|---------|
| 532994 | 2474670 | 4064554 |
| 535953 | 2594014 | 4906852 |
| 535998 | 2638175 | 1037804 |
| 535990 | 2725698 | |
| 2046378 | 2846793 | |
| 2046382 | 3284477 | |
| 2343810 | 3551789 | |
| 2343811 | 3551791 | |
| 2430225 | 3666196 | |
| 2468127 | 3806873 | |



Don't see your tip? It's easy to get a quick quote!

1. Lay the tip you need on a ruler and take a cell phone picture
2. Email your photo to Sales@PolymerCleaning.com

Get a firm priced quote back within 24 hours.



Valve Pins



PCT produces valve pins for all OEM systems. Our high-precision grinding offers OEM quality pins at substantial savings.

We produce pins in 2 styles. We use a hardened H-13 pin with hard chrome applied to the seal bushing area for Husky systems.

For other types of pins, we use an M-2 pin hardened to Rc59-61

We can reverse engineer any pin with just a sample!

We can grind any tip geometries, including pressure relief grooves, steps, and 1mm diameter shutoffs.

We have also developed a unique process for dramatically lowering the cost of Otto Manner™ pins. A client sends us the old pins. We recondition the tailstock and resolder a new pin into place. This process not only lowers the cost but shortens the delivery time.

It's as easy as 1-2-3 to get a quote on your valve pin!

1. Lay your pin on a ruler and snap a cell phone picture.
2. Let us know the original manufacturer of the hot runner and how many you need
3. Email your photo to Sales@PolymerCleaning.com

Get a firm priced quote back within 24 hours.



Heaters



Polymer Cleaning offers a wide selection of standard and custom nozzle heaters ranging from square coil type to our high performance Imperium™ line of brass bushing heaters.



We maintain an inventory of standard OEM compatible nozzle heaters and sprue bushings. In addition, we design and build a wide array of brass bushing style heaters.



Our custom designed Imperium™ brass bushing heaters allow you to upgrade the performance of your hot runner system at modest cost. Our unique Imperium™ design allows you to run at higher processing temperatures with extended heater life.

Find a list of Husky™ compatible Heaters [HERE](#).



Nozzle Housings

AND COMPONENTS



Polymer Cleaning designs and manufactures a wide array of nozzle housings and general hot runner components in a wide variety of materials.

Our ability to reverse engineer means that only a sample part is needed to begin a project.



We utilize the latest machining technologies in order to meet today's tolerance requirements. We have wide experience in the fabrication of valve pin bushings which require exacting tolerances to prevent leakage.



Seals

PCT offers a wide array of seals for any type of hot runner system.

We offer 2 piece piston seal systems consisting of a Viton™ O-ring with a graphite/teflon cover sleeve. We also offer Viton™ O-rings encapsulated with teflon.

In addition to these standard piston rings, we offer a wide array of different seals.

- Vented stainless steel seals used under the nozzle housing to insure against leakage
- Grafoil seals used to control heat flow in the system
- Metal C-ring seals used to insure against leaking

Seal Part Numbers currently in stock

| | |
|---------|---------------|
| 534413 | 2343751 |
| 536045 | 2343752 |
| 535481 | 101405/101406 |
| 1090035 | 101401/101402 |
| 2343751 | |



PET Hot Runner Parts



Polymer Cleaning Technology, Inc. is one of the largest independent providers of spare parts for all brands of PET preform hot runners. We can provide a wide array of spare parts for:

HUSKY™, MHT™, MOLDMASTER™, HOFSTETTER™, HUIYUAN™, HUAYAN™, CHENG HSONG™, SACMI™, SIPA™

We maintain a large inventory of standard parts **available for immediate shipment**. We offer **reverse engineering services** for hard to get parts. All parts are produced in our factory and match OEM parts in material, tolerances, and coatings.

Find a list of Husky™ compatible PET Hot Runner Parts [HERE](#).

Custom Parts



H-13

Polymer Cleaning Technology has unique capabilities to produce hot runner spare parts in a wide variety of materials and together with our ability to reverse engineer we can handle the most demanding projects.

We can supply parts fabricated from:

- H-13
- M-2
- 420 Stainless
- Multiple grades of Beryllium Copper
- Titanium
- KV3
- Vespel
- TZM



Titanium

In addition, we offer a wide array of coatings from Electroless Nickel to Tin to the latest Diamond Chrome. Parts can be laser engraved if required.

Give us a call the next time you have a demanding parts requirement!



KV3



Be Copper



Be Copper with Plating