



Polymer Cleaning Technology, Inc.



**QUALITY HOT RUNNER PARTS**

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Polymer Cleaning Technology, Inc.

# 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](mailto: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](mailto: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](mailto: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](mailto: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