

# THE HK HEPACELL™ PROCESS

## AFFORDABLE MEDICAL PARTS PRODUCED IN A LOW-PARTICULATE COUNT ENVIRONMENT

### Markets:

- Medical Device
- Dental
- Biomedical
- Bioresearch
- Optical



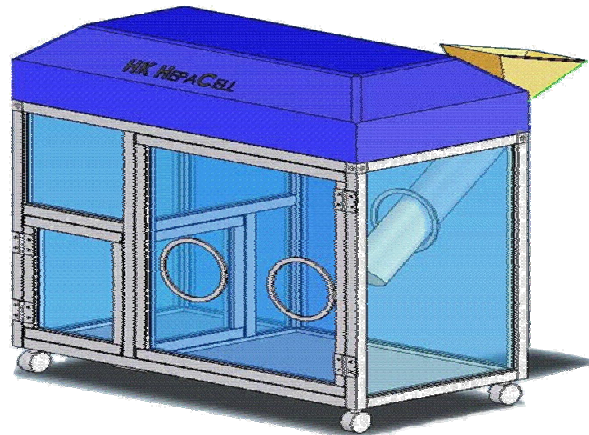
**HK PLASTICS  
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- The HK HEPACELL™ is designed and built by HK Plastics Engineering, Inc. to provide molding services in a Class 100 capable environment
- The HK HEPACELL™ employs a patent-pending airflow method which assures a clean molded product
- A proven system– operated for over 10,000 production hours
- Coupled with HK's extensive knowledge of design, toolmaking, and manufacturing, the HK HEPACELL™ process has increased the HK Plastics Engineering, Inc. medical device portfolio four-fold in the last three years
- ISO 9001-2000 registered

## HK Plastics Engineering, Inc.: Innovation in Affordable Clean- room Manufacturing Services

HK Plastics Engineering, Inc. has designed and developed the HK HEPACELL™ to enable affordable and flexible manufacturing of injection molded parts requiring a low particulate count environment.

The HK HEPACELL™ was designed and perfected in-house by an injection-molding team in order to provide an alternative to costly dedicated cleanroom services.

The criteria of providing a stand-alone manufacturing cell capable of class 100 standards was met by innovating a patent-pending airflow method and an accompanying manufacturing process. The HK HEPACELL™ process has been validated by over 10,000 hours of rigorous manufacturing operation.

By contracting molding services with HK Plastics Engineering, Inc., clients realize multiple benefits:

- **AFFORDABILITY**– even though the HK HEPACELL™ process is a significantly cleaner method (>95%) compared to traditional class 100K cleanrooms, cost reductions are still realized
- **RELIABILITY**– over 10,000 hours of operation
- **FLEXIBILITY**– HK has the ability to produce parts with the HK HEPACELL™ in all HK molding machines
- **HISTORY**- HK provides over 30 years of experience in the medical device industry (part design, tooling, production and assembly)

HK Plastics Engineering, Inc. has a proven track record in medical device manufacturing. Our ability to innovate solutions to meet our customers needs have fueled significant growth in the medical device market.

“The HK HEPACELL™ process benefits our company tremendously.”  
Tim Revak, Fibrogen



The HK HEPACELL™ - Oceanside, CA facility

### Company Background

HK Plastics Engineering, Inc. was founded over 30 years ago with a commitment to provide the highest quality mold-making and manufacturing services available.

Our company quality policy of:

***Driven by Excellence,  
Focused on Improvement***

is not just a saying on the wall, but a philosophy that drives every project.

HK Plastics Engineering, Inc. is an ISO 9001-2000 registered company. The quality of your manufactured products begins with the diligence of our staff in understanding your needs and applying this understanding throughout the relationship.

Our medical device clients include numerous market leaders in orthopedic, dental, surgical, durable, disposable and other specialty fields. We provide extensive consultation to our customers from project inception through manufacturing.

For information visit: [www.teamhk.com](http://www.teamhk.com)  
Or call (760) 757-1200 x 207