

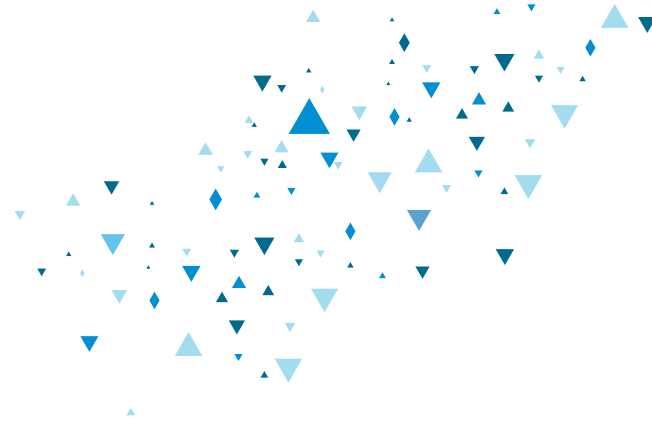


EBOOK

# ALL DRYERS ARE NOT CREATED EQUAL



**8 WAYS VICTREX™ PEEK COMPONENTS**  
MAKE BIG WAVES WITH CUSTOMERS  
AND MANUFACTURERS ►





**VICTREX PEEK  
BRINGS YOU  
DESIGN FREEDOM  
AND A NEW  
APPROACH  
TO HAIR DRYER  
DESIGN**



**BY CHANGING FROM MACHINED METAL IMPELLERS TO VICTREX PEEK IMPELLERS WITHIN YOUR OWN TECHNOLOGY, YOU CAN REDUCE OVERALL SYSTEM COSTS, MINIMIZE ENERGY CONSUMPTION AND DESIGN HAIR DRYERS WITH UNIQUE BENEFITS FOR CUSTOMERS.**

With more than 40 years' experience driving PEEK and PAEK polymer-based innovation, Victrex can help you advance your hair dryer designs with lightweight, durable VICTREX PEEK components, delivering a combination of efficiency, reliability, performance and more design freedom with potential cost savings.

Discover 8 key ways to transform your hair dryer design and improve customer satisfaction with Victrex solutions.

# MAKE WAVES WITH YOUR CUSTOMERS

4 customer potential benefits of VICTREX PEEK



## 70% LIGHTER

Attract more customers with your lightest design. By replacing metal with VICTREX PEEK impellers, you can create a dryer that packs more into a lighter package.



## GREATER AIRFLOW

Enhanced durability of key components made from VICTREX PEEK at high speed operation (faster than 100,000 rpm) can improve airflow which leads to reduction in heat damage and dries hair faster.



## 2% ENERGY EFFICIENCY

Choosing VICTREX PEEK for your hair dryer component can help improve your design with up to 2% reduction in power consumption.



## GIVE CUSTOMERS CONVENIENT FEATURES IN A SIMPLE PACKAGE

Lightweight and durable, VICTREX PEEK based components can replace heavier, often larger components made with metal, giving you more space to incorporate new features.

# THE NEXT BIG WAVE IN HAIR DRYER DESIGN

4 reasons why PEEK produces results for manufacturers



## IMPROVE TIME-TO-MARKET

By injection moulding PEEK polymers instead of machining metal, you can save on costs with rapid scale-up and shorter time-to-launch.



## UNLOCK A DESIGN FREEDOM ENABLER

Take a new approach to design. VICTREX PEEK gives you the processing flexibility to find the optimal way to manufacture and deliver innovative design, so that you can create smaller, more powerful hair dryers.



## ENHANCE THE PRODUCT MANUFACTURING PROCESS

By consolidating complex parts and simplifying the process of integrating parts and functionalities, you can work more efficiently.

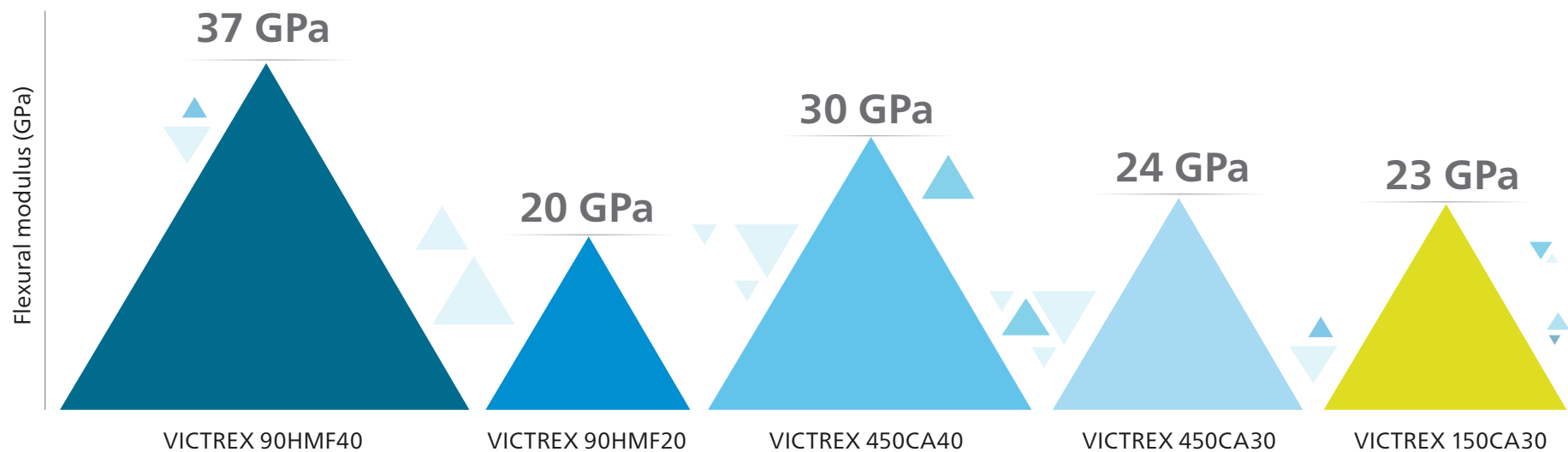


## ACHIEVE PRODUCT INNOVATION

From a lightweight design, longer product lifetime, faster operation or reduced drying time, to less energy consumption, when you combine your own technology with VICTREX PEEK, you can give customers more with less.

## CHOOSE THE RIGHT PAEK POLYMER SOLUTIONS FOR YOUR DRYER DESIGN

Victrex provides a variety of PAEK polymer solutions with combination of material properties and benefits to address your challenges and optimize the design better.



Data source: Victrex internal data. The data is to show performance of VICTREX PEEK solutions in general. The performance may vary per the application and design

VICTREX solutions with higher flexural modulus can support better tip gap uniformity and more increased pressure difference.

[Discuss more with a team of experts at Victrex to select the right solution for you.](#)

## YOUR NEXT STEPS WITH VICTREX

This is your opportunity to meet growing customer demand. With one of the highest performing engineering thermoplastics in the world, from the number one PEEK experts, you can achieve competitive advantage with a dryer that can deliver on performance, design and cost.

We've got more than 40 years of experience shaping future performance, with millions of people relying on products or applications which contain our high performance polymers every day, from smartphones, aeroplanes and cars to oil and gas platforms and manufacturing equipment to medical devices.†

Now it's time to enhance product innovation with a world leader in PEEK by your side.

**All dryers are not created equal. Design yours today.**

Follow us on social media!



[www.victrex.com](http://www.victrex.com)

Supporting information is available on request for all claims referenced

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