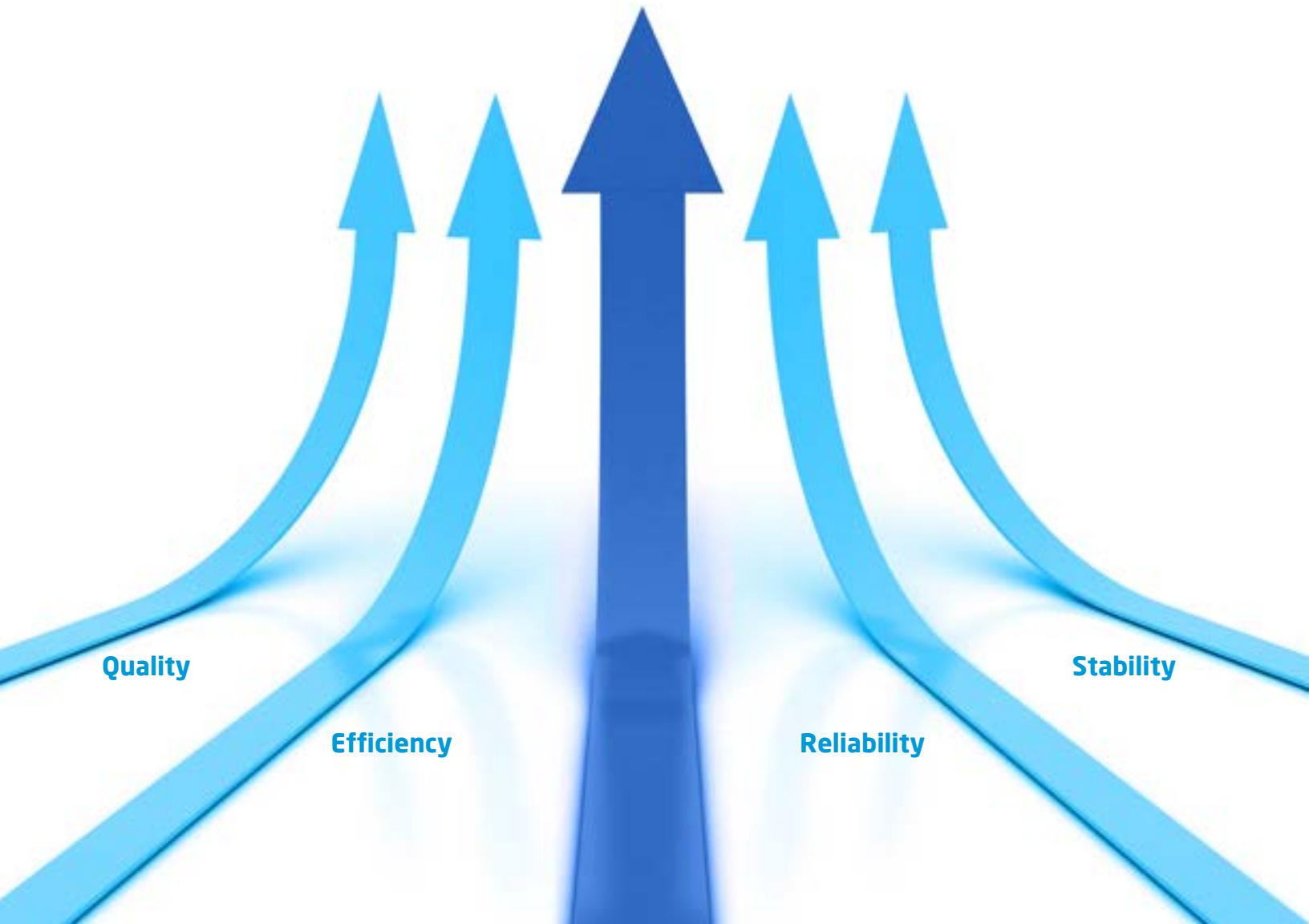




Success through EfficiencySM

Driving your success and quality through the optimal use of sorbent technology.

Success



Quality

Efficiency

Reliability

Stability

“Multisorb’s simulation technology allowed us to gain

first to file

advantage and primary market access for a pharmaceutical product with a \$1 billion market potential”

As shared by a leading generic pharmaceutical company.



① Identify

Simulations to Optimize Sorbent Solutions and Product Stability

Multisorb’s scientists can quickly and efficiently identify the optimal desiccant or sorbent formulation required to meet your product’s desired shelf life.

Since 2004, our Quality by Design (QbD) based SimulSorbSM and SimulOxSM simulation programs have provided sorbent solutions for moisture, oxygen, or volatiles management based on parameters specific to a pharmaceutical product including degradation profile, packaging materials, sorbent type, and required shelf life.

Through the use of standard or customized intelligent sorbent formulations, our simulation programs allow you to:

- ✓ Quickly identify sorbent requirements to predict pharmaceutical stability
- ✓ Eliminate costly sorbent ranging studies
- ✓ Reduce development time
- ✓ **Get to market 6-12 months faster**



Years	Pharmaceutical Presentations Stabilized
10	1000+



Our Multiform CSF® canister saves valuable space in your packaging presentation by delivering 2.0g of functional silica gel desiccant in the same size as a traditional 1.0g size canister.

2x
the adsorption capacity
of similarly sized canisters

② Select

Multiple Sorbent Platforms Meet Any Requirements

Once the required sorbent has been identified, our technical team will help you select the optimal platform for your packaging presentation or device to provide the lowest possible net packaging cost.

With desiccant and sorbent formulations available in multiple standard and customizable Drop-In, Fit-In, and Built-In platforms, we can meet the specific shelf life requirements of all your packaging applications.



Drop-In

Inserted as a separate component into package.



Fit-In

Affixed to packaging presentation.



Built-In

Replaces a mechanical/physical packaging part.





MultiPacket™ System Dispenser

MultiPacket™ System Packets

Cost ↓

With an industry leading **output efficiency of >99.997%**, our systems provide the lowest total cost of ownership for sorbent dispensing applications.

③ Dispense

Systems for Cost Effective & Turnkey Operations

By engineering our sorbent platforms with their respective dispensers, we create MultiPacket and MultiCanister systems that provide seamless integration of sorbent placement into your product packaging.

Our systems are available to efficiently dispense at speeds up to 300 per minute and are compatible with virtually all packaging lines.

Through the use of SMART dispensing technology, key manufacturing information can be easily integrated into your quality system to provide full traceability while reducing the cost of operations and quality management.

Additional highlights include:

- ✓ Optional packet splicing station for continuous dispensing
- ✓ Optional dry air or inert gas purge to protect sorbent capacity during packaging operations
- ✓ Continuous Reliability Program for optimizing ongoing operations and support

“When we needed to expand operations, Multisorb’s dispensing system helped us save costs, increase efficiency and add production line flexibility.”

Delivering results to a major pharmaceutical innovator.

Leadership. Innovation. Solutions.

Developing sorbent solutions to optimize your product's shelf life should be easy, and that's how Multisorb wants it to be.

For over 50 years, we have driven our business on our belief in providing customers with end-to-end solutions to package and protect their healthcare products through innovative and reliable solutions that deliver operational and economic results.

So whether you are looking for a development partner to help you identify the optimal sorbent solution, speed time to market or realize the lowest cost of manufacturing, Multisorb can help.

We have everything you need to efficiently Identify, Select & Dispense the optimal sorbent solution while meeting your objectives for cost and speed.

***Driving your success and quality
through the optimal use of sorbent technology.***



Our Commitment to Quality

Multisorb's 650 employees worldwide are dedicated to providing the highest quality and most innovative sorbent products and related dispensing system to the market. We offer full R&D, engineering, quality, and manufacturing support.

- ISO 9001:2008 and BS EN ISO 14001:2004 Registered
- Compliant to US and European regulatory requirements for pharmaceutical and diagnostic packaging
- All sorbent products fully supported by a Type III Drug Master File (DMF)
- Supply risk mitigation provided via multiple manufacturing sites in US and Europe



www.multisorb.com

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