



Optimum primary
packaging solutions
for the right injectable
therapeutic application

Tubular Vials Product Lines



GERRESHEIMER

PharmaPlus™ vials

Superior cosmetic and dimensional quality
for the most demanding markets

Pharma vials

Excellent cosmetic and dimensional quality
for your valuable drugs

Standard vials

Dimensionally inspected for highly competitive drugs



GERRESHEIMER

Tubular Vial Manufacturing Sites, Global Reach – Regional Supply

Gerresheimer Glass Inc. • Morganton Plant, Morganton • NC • USA
Gerresheimer Glass Inc. • Forest Grove Plant, Vineland • NJ • USA
Gerresheimer Querétaro S.A. • Querétaro • Mexico
Gerresheimer Chalon S.A. • Chalon-sur-Saône • France
Gerresheimer Boleslawiec S.A. • Boleslawiec • Poland
Gerresheimer Shuangfeng Pharmaceutical Glass Co. Ltd. • Danyang • China
Gerresheimer Shuangfeng Pharmaceutical Packaging Co. Ltd. • Zhenjiang • China

Information for North & South America: info-tg-us@gerresheimer.com
Information for Europe & Asia Pacific: info-tg-eu@gerresheimer.com

For further technical details contact our product manager at
pharmaplus@gerresheimer.com or call (USA) +1 856 692 3600 x 7141

Further information:
www.gerresheimer.com • info@gerresheimer.com

Gerresheimer Tubular Vials

The solution for the complex and continuously rising quality requirements in the pharmaceutical industry



PharmaPlus™ vials

Detailed developments to increase your filling performance and meet the most stringent cosmetic and dimensional requirements. Vials are 100% camera inspected for critical and cosmetic attributes and dimensional parameters with our *Advanced Camera Inspection System* to deliver the best quality for the most demanding therapeutic drug applications.

Production is monitored by SPC and data analysis is utilized to drive processes to six sigma levels.

Pharma vials

Vials are 100% inspected for critical cosmetic attributes and dimensional parameters with our single station camera system to deliver excellent quality for the pharmaceutical market, meaning high filling and packing performance vials for your valuable drugs.

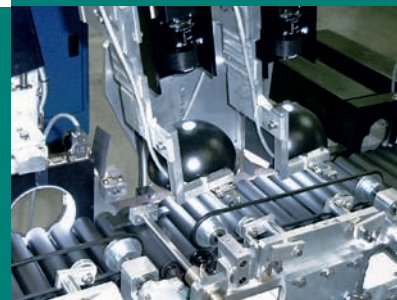
Standard vials

Major dimensional parameters are controlled and inspected to deliver highly competitive vials, an application for your price sensitive drugs.

We offer our *Value Development Program* designed to engineer *PharmaPlus™* tailored applications to increase your filling and packing performance and reduce your overall costs on existing products and new developments.

All our tubular vials are manufactured with the highest-quality glass tubing.

- Type I class hydrolytic resistance glass
- Clear and amber
- 2 to 50 ml vials
- Lyophilization vials
- EP, USP, JP compliance



Autopack high-performance robotic stations specially engineered for clean packaging

Product Line Characteristics	Standard	Pharma	PharmaPlus™
100% camera inspection on critical cosmetic attributes		●	●
Multistation proprietary <i>Advanced Camera Inspection System (ACIS)</i>			●
Single station <i>Camera Inspection System (CIS)</i>		●	
100% Camera inspection on dimensional parameters (<i>Hot End Dimensional system</i>)		●	●
Process capability to deliver cpk values > 1.3 on selected dimensional parameters, real time SPC data collection system			●
Automated packaging process – specially designed <i>Autopack</i> tables			●
Packed under controlled conditions in our <i>CEPack</i> rooms		●	●
AQL protocol more rigid than international standards			●
Value development program, customized products for your specific needs			●
Dimensional control on finish OD and total height	●	●	●
Bottom concavity control for lyophilization vials		●	●
GMP production environment	●	●	●
Fulfills current requirements of major compendia (USP, EP, JP)	●	●	●
Manufactured under GMS; Gerresheimer Management System	●	●	●