



GC consumables

Trajan Scientific and Medical (Trajan) is focused on delivering a portfolio of high-performance GC inlet liners, GC columns, connections, and fittings all with the specific and aggregate intent of ensuring the sample is not compromised on its journey to the detection system.

In the laboratory today, the time spent and the precision required for sample preparation are key investments in an efficient workflow. Having spent that time and effort in sample preparation, it then becomes critical to maintain the integrity of the sample as it is delivered to the separation and detection steps of the analysis. Our portfolio is built on the strength and world-class heritage of the SGE® GC supplies portfolio. In each of our manufacturing operations around the world, our products are built to exacting standards so that you can rely on their performance, accuracy and precision.



CHROMATOGRAPHIC 
SPECIALTIES INC.

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SGE GC columns and ACR



We have over 60 years developing and manufacturing GC capillary columns. Trajan constantly invests in improving manufacturing and phase synthesis processes; we have the technology and capacity to produce columns from start to finish, allowing for precise control of column quality and ensuring consistency. Our columns provide excellent performance in the areas of column bleed, activity, selectivity, and robustness, including minimal bleed, highly inert, and temperature stability.



SGE Inlet liners



Trajan SGE inlet liner range aims to make it simple for all gas chromatographers to select the correct liner. Our inlet liners have the lowest level of Endrin degradation and DDT degradation when compared to competitor results. Do you already know our liner selection tool? It is available on our website to guide you in choosing the best liner for each application.



SGE Optchem™ inlet liners



SGE OptChem™ inlet liners deliver excellent performance with advanced technology in an easy-to-use format for GC and GCMS. OptChem inlet liners expand the existing SGE line, they feature pre-installed CRS ONE O-rings. OptChem deactivation is a unique thick film that limits breakage, ensuring minimal sample losses and increased system sensitivity.



Ferrules and connections



With the acquisition of CRS, our line of ferrules became much more complete; there are different models, sizes, and materials like graphite, graphite and Vespel®, Vespel®, PTFE, and SiTite® metal. We produce ferrules and connections that are chemically inert, have low dead volume, have excellent operational stability, are easy to install, and are leak-free.



PEEK and PEEKsil® tubing



PEEKsil® is constructed from a core of smooth precision bore fused silica tubing bonded to a PEEK outer sheath. It is manufactured to exacting tolerances of bore size and concentricity, for reproducible flow rates and reliable connections.



SGE Syringes



Trajan offers a complete choice of SGE syringes manual and autosamplers with a variety of capacities, termination types, and various needle sizes for a wide range of applications.



L-MARK® syringes



Manufactured since 2004, the comprehensive range of L-MARK® Gold and L-MARK syringes for HPLC systems are designed and tested to meet critical instrument parameters. Available for CTC Analytics and Thermo Scientific HPLC autosamplers.



GC septa



A septa in a GC system is to isolate the sample flow path from the outside world. The septa provide a barrier readily penetrated by the injector needle whilst maintaining internal pressure without causing system contamination. Our septa have low bleed and a long lifetime, made of different materials, capable of meeting a wide range of temperatures and different equipment.



SiFlow®



SiFlow® delivers a flexible chromatography solution using planar microchannel technology, resulting in a highly efficient and reliable microfluidic platform that enables maximum chromatography performance.



Gas filters



Gas filters are an essential part of your GC analysis as contaminants in gases can significantly impact the quality of results. Trajan and CRS gas filters are easily installed and provide clean air by significantly reducing impurity levels for accurate analysis.



CRS Crimper tools



Trajan Scientific and Medical designs and manufactures the range of CRS Crimping tools; manual, electronic and high power to meet the diverse array of laboratory crimping and decapping applications. Our commitment to quality and consistency in manufacturing all our crimping tools, translates to more efficient sampling and less down time.



Caps and septum



We offer one of the largest ranges of septa and caps, allowing you to tailor your selection of septa and caps to the specific needs of your application, maximizing the security and integrity of your samples.



Trajan Scientific and Medical

Science that benefits people

Trajan is actively engaged in developing and delivering solutions that have a positive impact on human wellbeing. Our vision revolves around collaborative partnerships that improve workflows, delivering better results.



www.trajanscimed.com



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