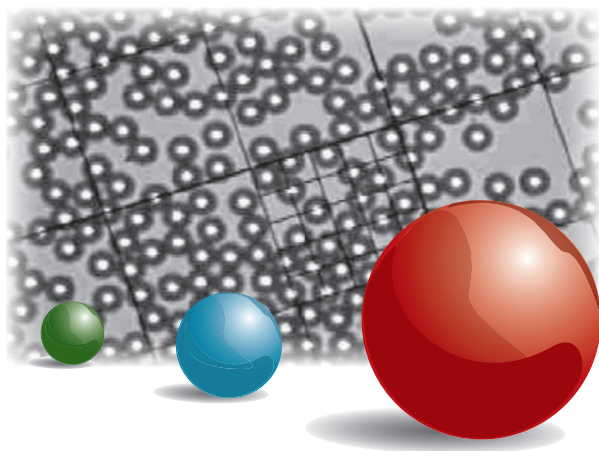


# Custom Microparticles



*Varian, Inc., is a primary developer and manufacturer of state-of-the-art particles for use in a myriad of applications.*

*Our mission is to be the most responsive particle development partner and production resource, combining over 30 years' polymer research and development experience with world-class manufacturing facilities. We number amongst our clients some of the world's most innovative and fast moving bio development businesses and many of the larger and most established diagnostic and pharma companies.*

## Key Benefits

- ▶ **Exceptional performance.** Strong project management and good communication are the key to a successful partnership. Every client project has PhD level supervision and is carried out by a multidisciplinary team under ISO 9001:2000. Varian encourages its clients to establish an in-house team leader who has direct and constant communication with the Varian team leader.
- ▶ **High quality.** The Company is ISO 9001:2000 accredited and operates enhanced clinical QC/QA procedures in the preparation and testing of all materials destined for a diagnostic application. Our world-class production facilities have been extensively audited and accepted by client QA personnel from the industry's acknowledged major players.
- ▶ **Large-scale production.** Contract production of particles is available from 100 g to 50 kg lots at competitive prices.

NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to **[www.agilent.com/chem](http://www.agilent.com/chem)**.

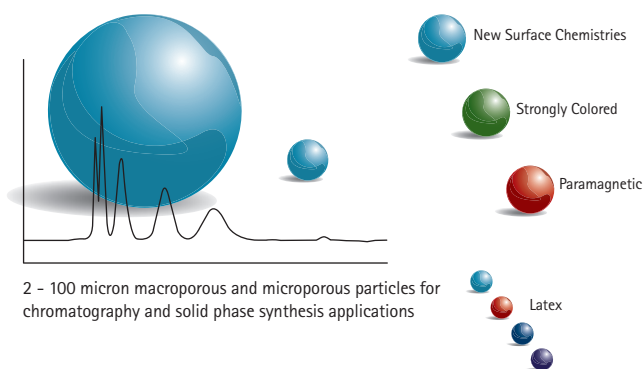


**Agilent Technologies**

# Custom Microparticles

## Our Technology

Varian is widely experienced in the manufacture of polymeric particles ranging from macroporous and microporous particles in the 2-100  $\mu\text{m}$  range (chromatography and solid phase synthesis applications) and solid particles from 50 nm to 25  $\mu\text{m}$  (life science applications).



With over 30 years' particle development and production experience, we understand which directions to take for a successful synthesis, and we have the basic building blocks for most particle constructs already available in house. This means that Varian is able to quickly assemble candidate particles which are unique combinations of characteristics to provide performance advantages in our client's technology platform.

Varian has exclusive experience in coating technology related to proteins and other ligands, and we have proprietary processes and the know-how to increase and optimize ligand loading and functionality across a range of immobilization technologies.

## Intellectual Property

Varian holds patents towards many of its products and, more usually, has special proprietary process and handling technologies. Certain processes are licensed in, contributing to our technology resource, or licensed out to technology partners.

## Development

Customer demand for more diagnostic performance, sensitivity and economy is driving our clients to re-engineer existing systems and to develop new platforms in immunoassay, molecular diagnostics, molecular biology and other bioscience applications. Our challenge is to meet our clients' technology demands through innovation, and by adding value in the design and performance of our particles.

In Varian's experience, no one particle is the solution to all applications. Varian does not believe in squeezing your application onto an existing particle product, designed and optimized for a totally different purpose. Our approach is to ask, 'What do you want to achieve?', and then to build a particle which best suits the nature, technical specifications and economy that the application demands - in other words, value and performance by design.

Varian has a very strong R&D group carrying out fundamental polymer particle research, with a separate ligand immobilization/downstream applications laboratory for developing assay technology and carrying out a variety of protein modification and conjugation chemistries.

## Production Facilities

With laboratory, R&D and production facilities in Church Stretton, UK, we partner key clients in the development and manufacture of polymer particles, activated surfaces and immobilized ligands.



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Other sales offices and dealers throughout the world—  
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