

# CD Formulation Unveils Cutting-edge Microneedle Technology Services for Cosmetic Formulation

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*CD Formulation demonstrates its dedication to cosmetic science innovation through its strategic expansion of customizable research and development solutions.*

NY, UNITED STATES, March 19, 2025 /EINPresswire.com/ -- The biotechnology company CD Formulation now offers advanced [microneedle technology](#) services specifically designed for cosmetic industry needs. CD Formulation continues to demonstrate its dedication to cosmetic science innovation through its strategic expansion of customizable research and development solutions.

The use of micron-sized fine needle tips assembled in arrays makes microneedles crucial for improving transdermal delivery system effectiveness. CD Formulation provides five different microneedle formats which include solid types along with coated versions that dissolve and hollow structures that shape hydrogels. These service offerings empower cosmetic companies to develop innovative products through advanced transdermal delivery systems that improve ingredient absorption and consumer satisfaction.

Solid microneedles function to boost absorption rates by forming micro-channels in the skin which enable passive diffusion of cosmetic substances. Topical skincare products benefit greatly from techniques that enhance active ingredient absorption into skin layers.

The surface of [coated microneedles](#) receives an application of active cosmetic substances which form the coating layer. This technology enables accurate dosing and instantaneous release when it touches the skin thereby making it perfect for superior skincare products.

Dissolving microneedles combine the advantages of subcutaneous injections with those found in traditional transdermal delivery methods. Microneedles manufactured from biodegradable polymers combined with active substances provide a painless application experience that dissolves on skin contact to deliver their pharmacological content in a controlled manner. This technology enables deep delivery of hydrating agents, vitamins, and peptides into dermal layers while maintaining patient comfort.

Hollow microneedles mark a major development in cosmetic transdermal delivery systems. Micron-sized micro syringes enable precise delivery of high doses of cosmetic formulations into

the skin and create new opportunities for cosmeceutical products that need deeper skin penetration.

CD Formulation's microneedles exhibit distinctive performance through their creation of a hydrophilic network inside the skin when applied. The network allows active ingredients to release slowly which improves long-lasting hydration and precise delivery of components making it ideal for moisturizers and treatment serums.

These innovations enable CD Formulation to establish new industry standards by delivering tailored R&D solutions supported by scientific and technological excellence. Cosmetic developers can expedite their product development process from initial ideas to market readiness through their customizable approach that enhances efficiency and technical support.

The company has advanced laboratory resources and superior research capabilities ready to help cosmetic sector innovators create market-leading products meeting specific consumer demands through its diversified service portfolio, including coated microneedles development, dissolving microneedles development, [hollow microneedles development](#), hydrogel forming microneedles development, and solid microneedles development.

#### About CD Formulation

CD Formulation's entry into the cosmetic market with microneedle technology services broadens its service capabilities while enabling the cosmetic industry to develop advanced skincare products that deliver proven scientific benefits. With a team of experienced pharmacy experts and drug delivery related industry senior practitioners, the company is committed to providing personalized, autonomous and customized transdermal drug delivery solutions for customers from various related industries, especially the cosmetic industry.

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