

The Nanocellulose Investment and Pricing Guide 2019

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Abstracts

Nanocellulose (NC) is a novel biomaterial with multiple industrial uses for replacing fossil derived raw materials. It is renewable, eco-friendly, has excellent mechanical properties, good biocompatibility, and tailorable surface chemistry. The addition of NC into polymers can enhance mechanical strength and reduce weight compared to fiber-reinforced plastics (FRP).

The market mainly consists of cellulose nanofibrils (CNFs) production at present as alternatives to resins, synthetic thickeners, strengtheners, and plastics. Cellulose nanofiber products have already hit the market, mainly in Japan, and are viewed as important advanced materials solutions in the packaging and composites markets.

Cellulose nanocrystals (CNCs) are a promising future investment opportunity. Most companies are focusing on high volume production for composites, packaging and paper industries. However, many opportunities exist in electronics, 3D printing, textiles and medicine.

Current production capacity far exceeds the market demand at present, but this is likely to change as prices drop in the next few years, and there is less distance to fall than with other nanomaterials as cellulose nanofibers are broadly cost competitive. Producers have already begun to produce additives that are competitive with conventional polymer composites (e.g. carbon fibers).

This 222 page report includes:

Pricing landscape for nanocellulose (Cellulose nanofibers, cellulose nanocrystals and bacterial cellulose), by types and producers.

Production volumes by nanocellulose producer.

Over 90 company profiles including production processes, products and pricing, target markets and collaborations.

Profiles of all the major players in nanocellulose production. Companies profiled include Blue Goose Biorefineries, Asahi Kasei, Borregaard, CelluComp Ltd., Celluforce, Chuetsu Pulp & Paper Co., Ltd., Daicel, Daio Paper Corporation, SAPPI, DKS Co. Ltd. and Imerys Minerals Ltd.

Profiles of all the major application developers including current and intended products.

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