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# The Market for Cellulose Nanofibers in Japan

https://marketpublishers.com/r/MC7CF1A4912EN.html
Date: August 2019
Pages: 248
Price: US$ 750.00 (Single User License)
ID: MC7CF1A4912EN

## Abstracts

Cellulose nanofibers (Cellulose Nanofibril, Nanofibrillated Cellulose, CNFs) are generated from wood-derived fibrils with length in the micrometer and width in the nanometric range during the biosynthesis of cellulose. Today in Japan, there is widespread scientific and commercial interest in cellulose nanofibers. CNF will greatly impact environmentally friendly and biodegradable solutions in market such as packaging, paper & board, composites, coatings & films, medical & healthcare, textiles, oil & gas, filtration, rheology modifiers, aerogels, 3D printing and printed & flexible electronics. The market for cellulose nanofibers has developed rapidly in Japan over the past few years.

Japan is by far the largest producer and consumer of cellulose nanofiber products. The market mainly comprises cellulose nanofiber production, with a few producers also looking at cellulose nanocrystals. The main celluose nanofiber producers in Japan include:

Asahi Kasei

Chuetsu Pulp & Paper

Daicel Corporation

Daio Paper Corporation

DIC Corporation

DKS Co. Ltd.

Nippon Paper Industries

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Oji Holdings

Seiko PMC

Sugino Machine.

These companies produce CNF on a pre-commercial and commercial scale and produce numerous products or supply to OEMs. Several CNF-based products have come onto the market in Japan including:

Ballpoint pen ink gels.

Adult deoderizing products.

Audio equipment.

Hygiene wipes and other products.

Footwear.

Cosmetics.

Food additives.

Packaging additives.

Concrete additives.

Automotive composites.

Report contents include:

Demand for CNF in Japan. Historical, current and forecast to 2030 (tons).

In-depth details on CNF production processes, materials development and products.

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Production capacities for cellulose nanofiber in Japan.

End user markets in Japan.

Trends in cellulose nanofiber in Japan.

In-depth profiles of 47 CNF producers and product developers in Japan.

In-depth analysis of market by applications including estimated market size, penetration and growth. Applications covered include: Polymer composite parts; Biodegradable and renewable nanocomposites; Automotive composites; Packaging films; Aerogels; Construction materials; Packaging fillers/additives; Paint and coatings additives; Deoderant sheets; Pharmaceutical additives; Renewable plastic parts/casings; Transparent films for electronics; Flexible and printed electronics; Batteries; Flexible and paper batteries; Filtration membranes.

Expanded profiles on cellulose nanofiber producers including recent activities to August 2019.

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# Tables

## TABLES

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