

CIRCULOSE®

**A sustainable
option that
makes fashion
circular...**

ABOUT US

We continue to increase our production activities...

Our company was established in Kahramanmaraş in 1996; It is an innovative textile company with Open-End, Ring Spinning and Folding Twisting technologies.

Eco-friendly production processes

The Open-End production facility has a production capacity of 15,000 tons/year with 5,200+ rotors, the Ring Spinning production facility has a production capacity of 6,000 tons/year with 20,000+ spindles, and the Folding Twisting production facility has a production capacity of 2,000 tons/year with 3,000 spindles. In Ring, Open-End and Folding Twisting facilities; Compact, siro, slub and lycra yarns are produced.

Functional and wide product portfolio

Our company has in its portfolio; natural, cellulosic, synthetic, animal, recycled, etc. It produces tailor-made blended yarn with more than 38 fiber types, such as, in line with the requests from its customers. It can also make multiple layers of these yarn blends in Folding Twisting facilities.

Effective R&D Center studies

Our company is a yarn manufacturer with an R&D Center license issued by the Ministry of Industry and Technology. Among the activities of our R&D Center; innovative machine design, correction of errors in production, sustainable and environmentally friendly raw material studies, improvement of the performance of yarns in weaving and knitting machines, etc. There are topics such as.



Environmentally friendly approach

Our Company, which accepts as a principle to improve energy performance and make it environmentally and economically sustainable in all its activities, meets 50% of its energy consumption with the solar energy panels placed on the roofs of its Open-End and Ring Spinning production facilities.

Sustainable and environmentally friendly collaborations

Our company acts with the commitment to leave a greener world to future generations by producing sustainable and environmentally friendly products. We aim to be a leading company in sustainable yarn production with our collaborations with international fiber brands such as Naia™, Circulose®, Agraloop™, Seaqual Initiative and Polylana®.

OUR COMPANY HAS TAKEN IMPORTANT STEPS IN SUSTAINABLE PRODUCT DEVELOPMENT THROUGH PARTNERSHIP AGREEMENTS WITH INTERNATIONAL COMPANIES.



RENEWCELL AT A GLANCE

Key to sustainability for the fashion industry...

Renewcell is a Sweden-based textile recycling company with unique technology and a world-class team of people, with the mission of transforming textile production in an environmentally friendly way and contributing to the development of the sustainable fashion industry.

World class production

A first in developing new textile recycling and industrial scaling of production, Renewcell plans to recycle the equivalent of more than 1.4 billion T-shirts each year by 2030.

Sustainable production infrastructure

Aware that everything it does has a positive or negative impact, Renewcell provides all its production activities from 100% renewable energy sources. Thus,

it aims to always achieve better and minimize negative effects by prioritizing reducing the impact.

Patented production process

Renewcell, with its patented production process, transforms textile waste into CIRCULOSE®, a new generation raw material, by recycling the cellulose found in worn-out clothes, making fashion circular.

Innovation leader in sustainability

Promoting sustainability in the textile industry and taking textile recycling to an advanced level, Renewcell sets an exemplary model for other textile manufacturers and suppliers in terms of sustainability and textile recycling.



KEY FEATURES

A soluble paper pulp produced from 100% textile waste..

Today, customers attach great importance to fashion companies' commitment to reducing their environmental impact through new technologies and innovations for the circular economy. CIRCULOSE® plays an important role in recycling textile fibers, which are the basis of the sustainable fashion industry.

A dissolving pulp

CIRCULOSE® is a "Dissolving Pulp" obtained by recycling the cellulose found in worn clothes in your closet. CIRCULOSE® made from 100% recycled textiles; It can be used to make viscose, lyocell, modal, acetate and other types of regenerated fibers (also called man-made cellulosic fibers).

The only difference about textiles made with CIRCULOSE® is that they are made from textile waste instead of cotton, oil or wood pulp.

Excellent quality and performance

The prominent features of CIRCULOSE®, which has an important role in terms of sustainability in the fashion world:

- Recycling used clothing, textile waste and cellulosic raw materials using an innovative process reduces the amount of waste while creating positive effects on the environment.

- Reusing cellulosic raw materials obtained from recycled textile waste preserves natural resources while reducing the need for logging and deforestation.
- It combines excellent quality and performance with sustainability. It is stylish and durable, providing its users with both style and a long-lasting wearing experience.

Makes fashion cyclical

The CIRCULOSE® recycling process, which is the basis of the sustainable fashion industry, occurs as follows.

- Clothes that cannot be sold or used, production waste, etc. Textiles such as are collected.
- Clothes are torn apart, buttons, zippers and colors are opened and turned into slurry. Polyester etc. Once pollutants such as these are broken down, cellulose is released, a biodegradable organic polymer from which cotton, trees and most green plants in the world are made.
- The slurry is dried to produce pure CIRCULOSE® sheets. The sheets are packaged in bales and sent by fiber manufacturers to be recycled into virgin quality textile fibres.
- Brands design and produce new clothing using fibers made from CIRCULOSE®.



**CIRCULOSE® IS A NEW
MATERIAL PRODUCED BY
RECYCLING COTTON FROM
WORN CLOTHING AND
PRODUCTION WASTE.**

CIRCULOSE® SUPPLIER NETWORK

The CIRCULOSE® Supplier Network is a group of yarn and textile manufacturers that help advance the circular economy by ensuring a stable supply of CIRCULOSE® to the market. By joining the CIRCULOSE® Supplier Network, members commit to the continuous development of circular solutions and play a vital role in realizing more sustainable textiles and end products under the CIRCULOSE® brand.

As Karacasu Tekstil, we are very happy to be a part of the CIRCULOSE® Supplier Network.



BLENDING OPTIONS

Yarn production in special compositions according to demands...



Our company uses CIRCULOSE® 100% or in its portfolio; It produces tailor-made blended yarn with Carded, Combed, Tencel™, Linen, Hemp, Cotton, Ecovero™, Viscose, Tencel™ A100 and Tencel™ Lf fibers in line with the requests from its customers. It can also make multilayers of these yarn blends in Folding Twisting Facilities.

YARN PRODUCTION BY SECTORS

Our company, which stands out in the sector with its flexible approach to offering special solutions to its customers, offers products that appeal to every sector with more than 38 fiber types.

CIRCULOSE® blended yarns;

- Circular Knitting sector Ne: 12/1 - 40/1
- The weaving sector Ne: 3/1 - 40/1
- Plain Knitwear sector Ne: 3/2 - 40/2

it produces yarn in ranges.

You can contact us to get more information about our CIRCULOSE® blended yarns and for your color chart requests.

CONTACT

Management approach that invests in its region and country...

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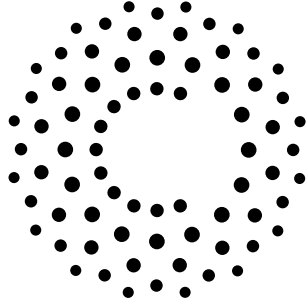
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