

JRS Company Presentation

WELCOME

Rosenberg-Holzmühle – October 27, 2023



At a Glance – the JRS Company Group

- > 145 Years of Experience and Special Know-how.
- > Worldwide active, **Owner-managed Family Business** Group with dynamic growth and a sustainable approach.
- Global Network Structures more than 4000 Employees, more than 90 Production and Sales Locations worldwide.
- > An **Attractive Employer** in the region and around the globe.

Manufacturer, Solution Provider, System and Technology Partner



JRS – Fibers for Life.

The Innovative JRS Plant Fiber Technology



For a Better Tomorrow – with Every Fiber



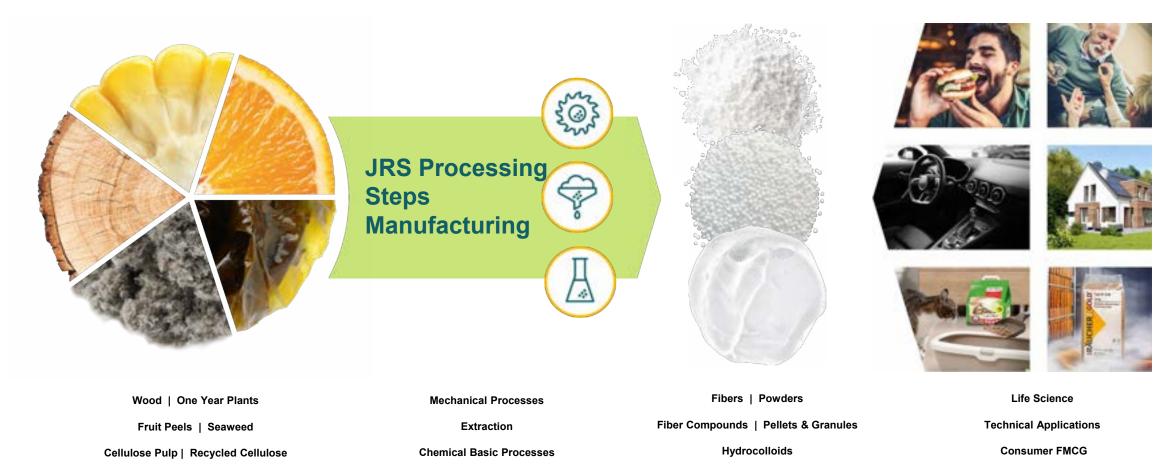
Overview JRS Plant Fiber Technology

> Plant Based Raw Material

> JRS Processing

> JRS Products

> Applications





FUNCTIONALITY – Created by Nature in Renewable Plant Raw Material



JRS Transforms the Functionalities of Renewable Organic Raw Material into Industrially Usable Functional Additives and Semi-finished Products



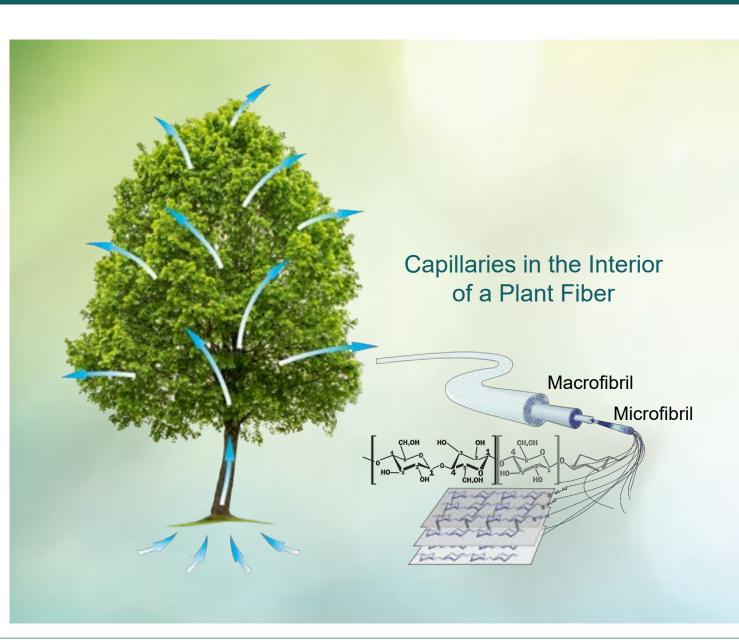


Nature Serves as a Model

Example of FUNCTIONALITY of Plant Material:

> Water transportation in a tree.

 Derivation for industry:
 e.g. humidity management in production processes.



Ecological – Natural – Sustainable

Renewable Plant Raw Material





With a Clear Conscience for a Better Future

Our Fiber Products are created from natural, renewable plant based raw materials, such as

- Cereal, fruit and vegetable plants
- > Seaweed
- > Many types of wood
- > Raw celluloses





Sustainable Resource Management

Resource-saving, Sustainable Bio-Economy:

- > Raw materials of renewable plant origin.
- Partial use of secondary raw materials from production by-products.
- > Waste-free use of raw materials.
- Part of energy production from biomass and water power. Ambitious, sustainable energy policy.



Innovative Premium Manufacturer and Solution Provider





Innovative & Functional JRS Plant Fiber Technology

Our Product Portfolio:

- > Sustainable Plant Fibers
- > Functional Additives
- Excipients & Coatings for Pharmaceutical Industries
- > Dietary Fibers in Food
- > Ecological Petcare Products
- > Sustainable Energy Sources

Products for All Areas of Modern Life



Unique JRS Plant Fiber Production Technology

- > JRS Process Engineering and Mechanical Construction ensures unique, innovative product and application implementations.
- JRS Engineering Made in Germany guarantees worldwide highest production, quality, efficiency and sustainability standards.



Market leadership and technology advantage thanks to own plant and process development

Since145 Years

An Independent Family Business with Dynamics, Perspective and Stability





Long-term Perspective, Security and Reliability

The Owner-led JRS Family Company Group

In our Autonomy and Independence we see the basis for a Long-term, Future-oriented, sustainable entrepreneurial capacity to act with maximum innovative power.



Employees"

Josef Otto Rettenmaier (CEO JRS)

Health, Nutrition, Resources

JRS Sets the Tone for Global Problem Solutions



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For a Better Tomorrow – with Every Fiber

In times of a growing world population, we see ourselves as **Pioneers for a Modern**, Livable World that offers all people access to healthier nutrition, globally available medicine and resourceconserving, environmentally friendly industrial production.

Our Sustainable Guiding Principle: With our work, we want to contribute to making our (surrounding) world a little bit better every day



The 'Green Concept' of JRS

 JRS products inherently follow the idea of the Natural Material Cycle.

Renewable Plant Raw Materials – Biodegradable:

> 'Green' Products,
> 'Green' Technology,
> 'Green' Functionality.

'Green' Energy Contribution via Hydropower and Biomass power/heat plants.





Our Roots Commit us to 'Green Thinking'

JRS has lived this 'Green' Philosophy since its foundation 145 years ago as a classic oil and grain mill that processed valuable plant raw materials.



Ecological and Economical Sustainability are always in Harmony for JRS.



Sustainable Functionality of the 'Green' JRS Products





Application Examples of 'Green' JRS Technology

Plant based Raw Materials Instead of Microplastics:

Natural Substitute for
 Plastic Microspheres
 in Cosmetics.

Added Value JRS cellulose products also offer additional functional properties.





Application Examples of 'Green' JRS Technology

Raw Fiber Concentrates promote growth efficiency through better food utilization, help curb antibiotic use, reduce manure/slurry.







Agricultural Animal Nutrition

- > Seed Pelleting to provide seeds with everything needed for efficient, rapid germination/growth.
- > **Growing Aids** in areas with soil problems due to climate change, support in climate improvement through city greening, etc.



Application Examples of 'Green' JRS Technology



Modern Food for Better World Nutrition.

- Tasty, Healthy Dietary Fiber Concentrates

 use e.g. calorie / energy / fat reduction, metabolism support.
- Structure and volume for Vegan / Vegetarian Food, (e.g. meat/fish substitutes).

- Plant Fiber Technology in Packaging, disposable, consumer plastics.
- Innovative, Recyclable Materials in automotive and modern living environments.
- > Substitutes for Petroleum-based chemical products.

More Sustainable Materials: Replace plastic packaging/disposable products or make them 'Greener'.



Competent Technology and System Partner for Modern Industries



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System and Technology Partner for Innovation Projects

- > 7 R&D and Application Centers worldwide
- > Application Consulting
- > Pilot Plants / Technical Centers
- > Production Implementation
- > Dosing / Conveying Technology
- > Certification / Documentation



JRS supports innovation projects in all fields of application – in close cooperation with customers

Person to Person

Personal Partnership in Customer Relationships with Heart and Commitment





People are at the Center of the JRS Family

As a Customer *and* an Employee !

- Fair, respectful interaction at eye level – across all cultures, countries, religions.
- Perceiving and valuing all people as individuals.
- Providing benefits, supporting, making a difference together, being authentic.



The JRS Group Worldwide

Global Production and Service Network Concept



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The Global JRS Network Concept

Security, Proximity, Reliability:

Strategically placed production sites in Europe, America, Asia for short distances and reliable, fail-safe availability.

More than 4000 Employees at over 90 Production and Sales Locations and a high level of Regional Competence ensure direct contact all over the world – with qualified advice and perfect services.



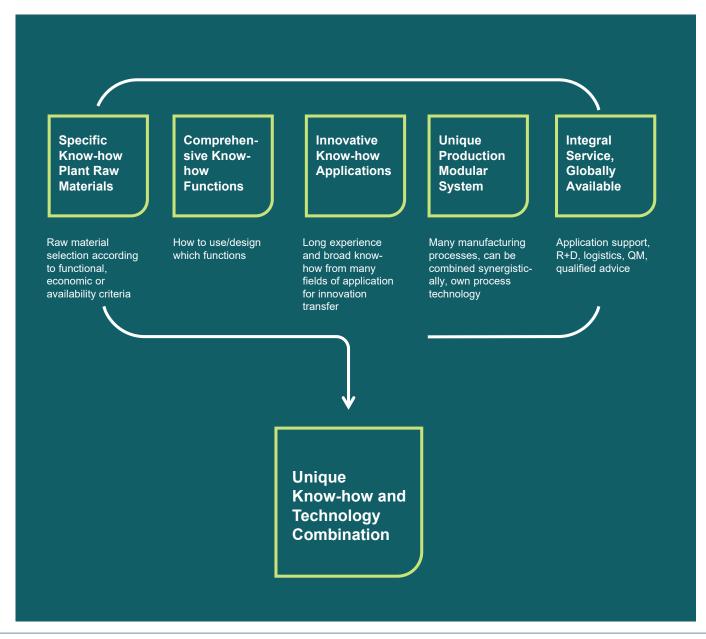
Worldwide *Unique* Know-how and Technology Combination





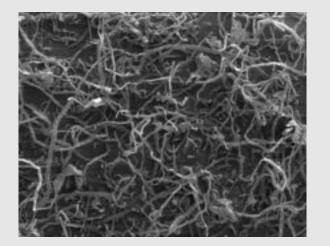
The Unique, Special JRS Toolbox System

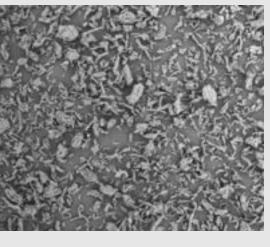
- > Plant Raw Material Knowledge
- > Functional Know-how
- > Innovative Application Expertise
- Modular System of JRS Process Technology
- Holistic Service, Globally Available

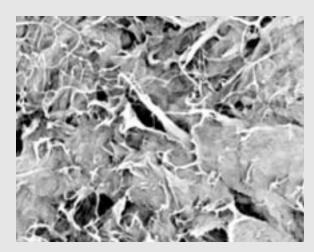


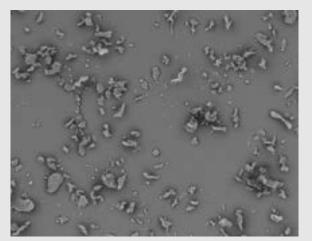


Functional Competence









Examples of Different JRS Products under the Microscope

Different Particle Structures lead to Specific Functions!



Specialization of the JRS Core Fields

Life Science

Fiber Solutions

Consumer Products

JRS PHARMA BU Excipients JRS PHARMA BU Coatings JRS Medic BU Food Ingredients BU Petfood BU Home & Personal Care

BU Filtration
BU Chemistry
BU Industries
BU Technics
BU Livestock
BU Functional Asphalt Additives
BU Innovations & Contract Manufacturing

JRS PETCARE

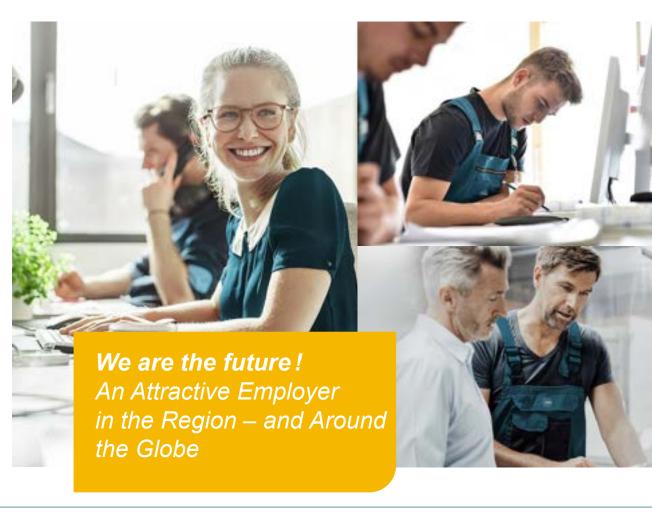


Career & Training at JRS

Sustainable, Value-oriented, Fit for the Future.

JRS – a Company with a Future:

- > The innovative 'Green' future-oriented JRS Plant Fiber Technology and a committed corporate concept contribute to making tomorrow's world a better place today.
- > With sustainable, future-oriented, modern workplaces.



Thank You for YOUR Interest!

