

PLANT AND MANUFACTURING

CUTTING EDGE INDUSTRIAL TECHNOLOGY



PROCESS

Mechanical friction-based process activated by a powder de-vulcanising agent.



QUALITY

Fully automated process with PLC controller. Internal labs dedicated to quality control and Research and Development.



MANUFACTURING

Standard grade and custom grade upon customer request.

CUTTING EDGE TECHNOLOGY

- 1 Rubber Conversion uses an innovative, patented technology to de-vulcanise rubber compounds.
- 2 The technology is based on a mechanical process at room temperature and ambient pressure activated by a powdered eco-friendly de-vulcanising agent that selectively breaks down sulfur bonds, leaving intact the mechanical properties of the compound.
- 3 Rubber Conversion complies with strict quality control regulations to ensure that clients are supplied with the best materials.
- 4 The process has minimal environmental impact and is environmentally friendly.



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RUBBER
CONVERSION



Rubber Conversion S.r.l.

Via Sansovino 3/5 - 37053 Cerea VR - ITALY - Tel. +39 0442 333259 - Fax +39 0442 1861116
info@rubberconversion.com - www.rubberconversion.com

ABOUT US

Rubber Conversion S.r.l. is a renowned Italian technology company specialised in developing advanced de-vulcanisation processes. With high quality, environmentally sustainable compounds, it serves the European tyre and technical rubber products industry.

Rubber Conversion is a subsidiary

of Innovando, a leading Italian company providing global solutions for industrial waste management and assistance in fulfilling extended producer obligations both for small and medium-sized companies and for large corporations. Rubber Conversion is certified according to UNI EN ISO 9001:2015.



ITALY



VENETO



CEREA

2 COMMERCIAL SECTORS

NR SBR

Production of the highest quality NR / SBR-based compounds starting from end-of-life tyres.

NR / SBR / NBR / IIR / EPDM

On request services for the de-vulcanisation of waste and processing by-products from the production of rubber products

MISSION AND VALUES

Rubber Conversion produces the highest quality rubber compounds from scrap and end-of-life rubber products. Rubber Conversion's commitment to

recycling and giving value to waste helps environmentally conscious companies to improve the sustainability and profitability of their products.



RELIABILITY



TRANSPARENCY



LONG-TERM
COMMITMENT



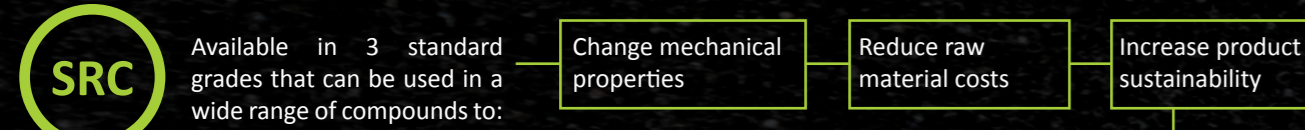
QUALITY



RESPONSIBILITY
SOCIAL

SUSTAINABLE RUBBER COMPOUNDS

HIGH QUALITY DE-VULCANISED PRODUCTS



SRC 200 Produced from light truck and car tyres.

SRC HE 350 Produced exclusively from whole truck tyres.

SRC UHE 450 Produced exclusively from truck treads

ADDED VALUE

SUSTAINABILITY
Better environmental impact of compounds and finished products.

PROFITABILITY
Reduced cost of raw materials
Reduced production costs

MANUFACTURING PROCESS
Improved extrusion rate Maintenance of excellent ageing properties
Reduction of joint defects

COMPETITIVE VALUE

Higher elongation (1.5x).
Very high tensile strength.
Very low variation of Mooney's viscosity.
Longer storage life (4 years).
Pre-weighed packaging.

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|------------------------------|--|---|---|
| ADDED VALUE | SUSTAINABILITY Better environmental impact of compounds and finished products | PROFITABILITY Reduced cost of raw materials Reduced waste disposal costs | BUSINESS MODEL Client value-added services. |
| COMPETITIVE ADVANTAGE | Wide range of processable polymers Strong increase in the reuse rate Certification of the entire supply chain Material traceability | | |

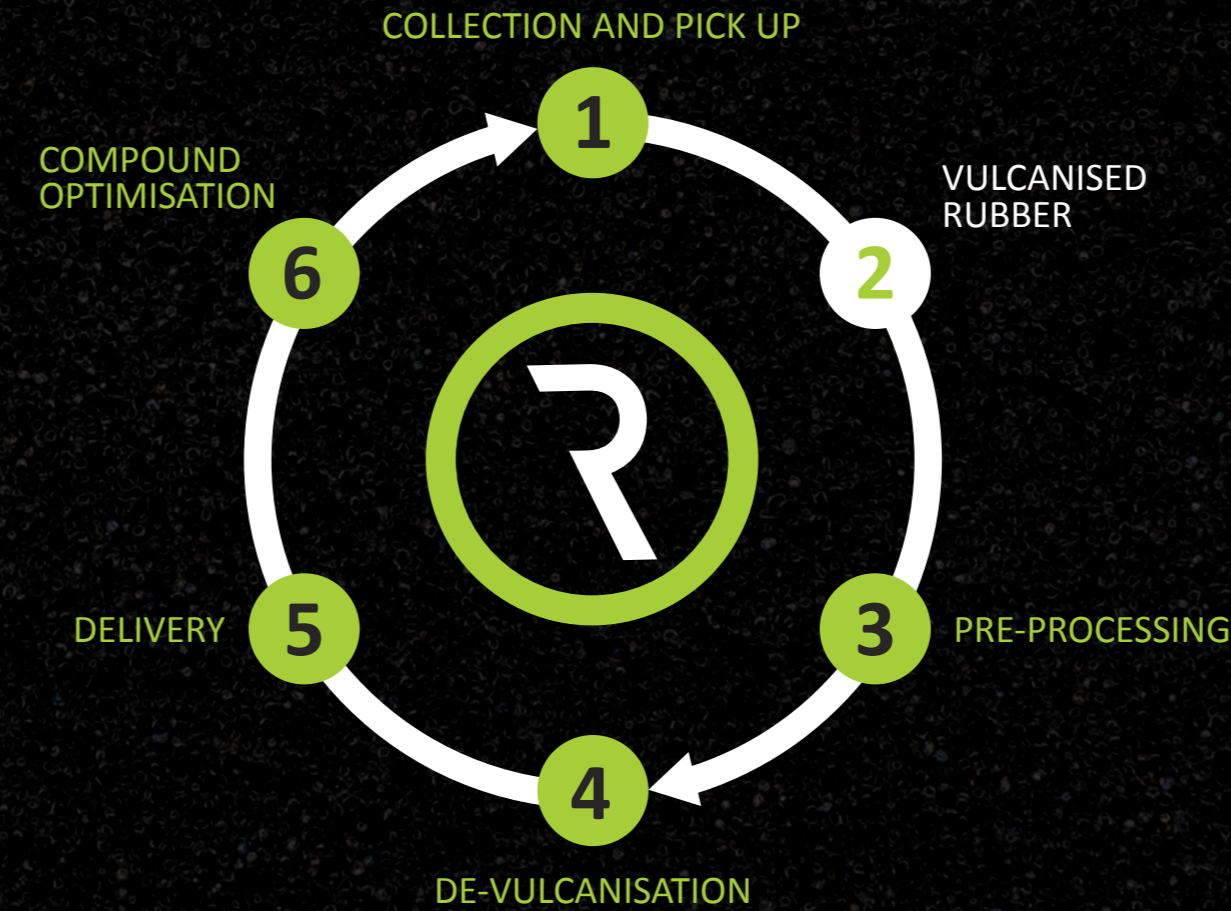


MARKETS, AUDIENCE AND APPLICATIONS

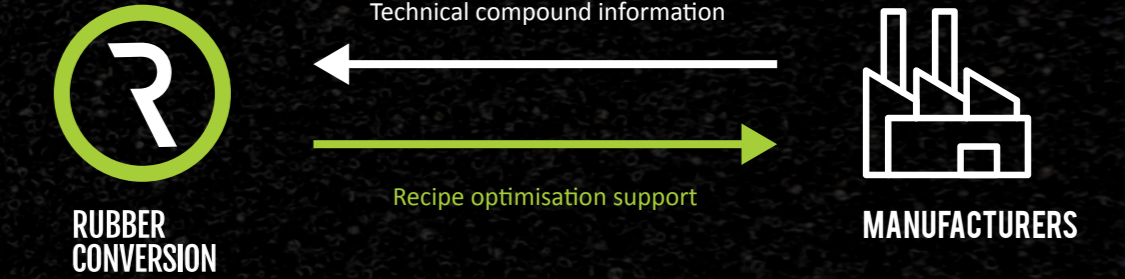
| | |
|---------------------------------------|--|
| TYRES | Private vehicle tyres (PCR), commercial tyres (TBR), off-road tyres (OTR), agricultural tyres, bicycles, inner tubes, treads, etc. |
| TAPES / BELTS | Conveyor belts, transmission belts |
| MOULDED AND EXTRUDED PRODUCTS | Automotive components, pipes, pumps, gaskets, and footwear |
| WATERPROOFING AND MATT SANDING | Roofing, puddle bottom coating, road paving, mats. |

DE-VULCANISATION SERVICE ON REQUEST

On request, recycling of processing by-products through de-vulcanisation



TECHNICAL SUPPORT



Analysis of client's technical requirements
Support for compound optimisation
Customised packaging
Assessment of the environmental impact of the compound or finished product
Organisation of dedicated collection and reverse logistics networks for production waste and end-of-life products

Rubber Conversion is a subsidiary of Innovando, a leading Italian company providing global solutions for industrial waste management. An extensive network of carefully selected collection and disposal operators and a proprietary cloud platform capable of simplifying the planning and management of waste disposal, guaranteeing the most complete traceability at every

stage of the supply chain: these are the strengths of Innovando, which supports owners and producers of industrial waste in fulfilling all operational and regulatory obligations. Rubber Conversion is based on Innovando's ability to offer its clients customised collection and pick-up services.

