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# STUDIO TECNICO APPIANI SRL

*Small in Size*, Global in Impact



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# ABOUT US

We are an Italian company with over 20 years of international experience in the design, supply, and turnkey execution of hydrothermal processing plants for cereals, with a specific focus on parboiled rice.

Our portfolio includes six proprietary technologies, developed to address different processing requirements and successfully implemented worldwide.

Our solutions are characterized by reliability, operational efficiency, and continuous technological innovation, fully tailored to the needs of the rice industry.

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# MISSION

Our mission is to optimize our customers' processes and productivity throughout the rice value chain, guiding them toward operational and qualitative excellence.

By delivering advanced, reliable, and tailored solutions, we support sustainable business growth while enhancing efficiency, product quality, and long-term competitiveness.

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# OUR EXPERIENCE

## A GLOBAL FOOTPRINT

Over the years, our parboiling plants have been installed worldwide, reaching every major rice-producing region—from Thailand, Bangladesh, India, and China to Africa and South America.

This global footprint reflects our ability to operate internationally while maintaining a flexible, agile structure, serving both regional producers and leading global agribusiness groups.



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# INTERNATIONAL PRESENCE

Our well-established commercial and marketing network is a key driver of our global presence.

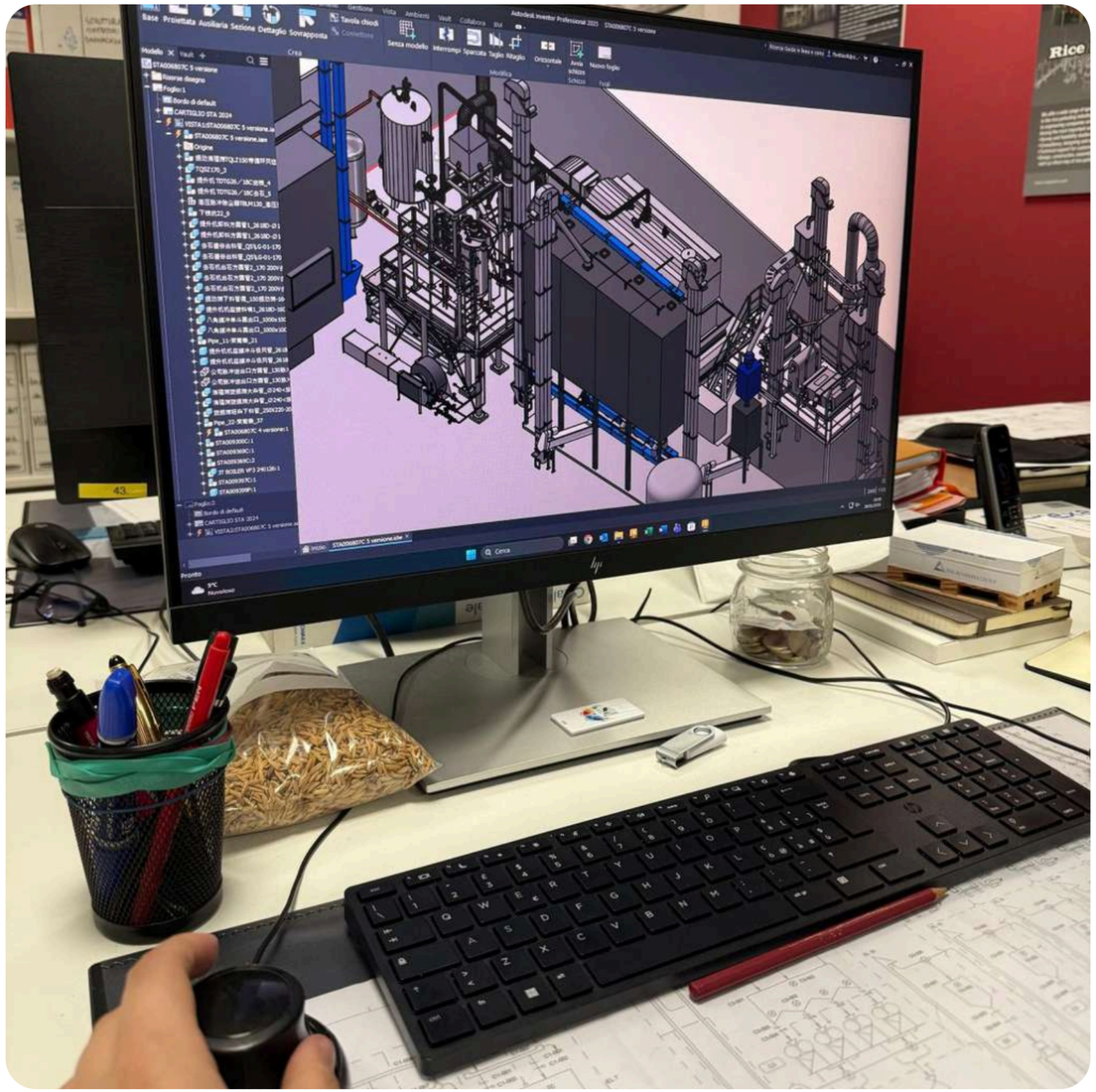
We directly manage the European market and operate through strategic partnerships in key regions including Bangladesh, Pakistan, Sub-Saharan Africa, South America, and China, where we collaborate with a trusted local partner for the outsourced manufacturing of selected components.

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# ENGINEERING SUPPORT

**Supplying a new processing plant is not enough for us.**
Understanding processes, raw materials, and focusing on the real requirements of our Customers is what makes the difference.

Our engineering team is committed to improving its expertise, designing solutions that meet customer needs, and maintaining the precision that defines our work.



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# DRIVING INNOVATION

- **TAILOR MADE SOLUTIONS**
- **RESEARCH AND DEVELOPMENT**
- **NEW PRODUCTS**

We are continuously committed to studying and developing innovative solutions that respond to the evolving and increasingly demanding requirements of our customers.

Through constant research, engineering expertise, and close collaboration with clients, we design technologies capable of meeting targeted performance goals while anticipating future market needs.

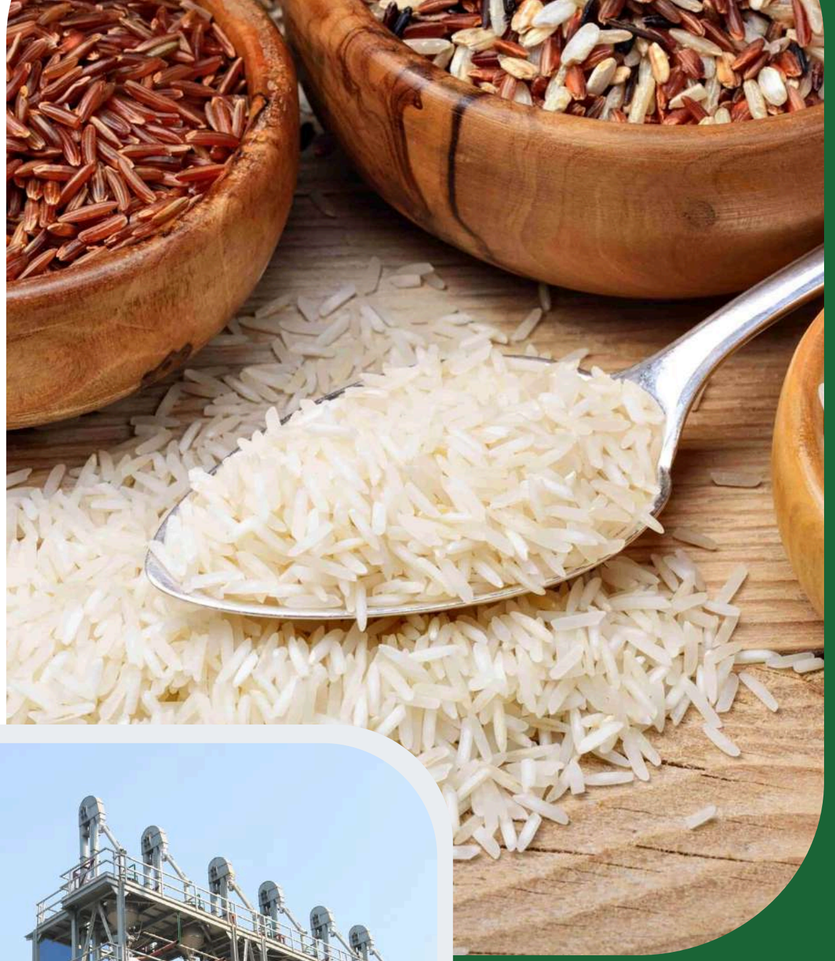






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# DIFFERENT SOLUTIONS FOR THE RICE VALUE CHAIN





Engineering, design, manufacturing, construction, and turnkey installation of hydrothermal processing plants for cereals represent the core expertise of our company.

Over the years, we have established a solid presence in the global market thanks to our ability to offer customized, high-performance solutions built around the specific needs of our clients.

# PARBOILING TECHNOLOGIES



**GARIBOLDI TECHNOLOGY**

GAT



**VERTICAL CONTINUOUS TECHNOLOGY**

VCT



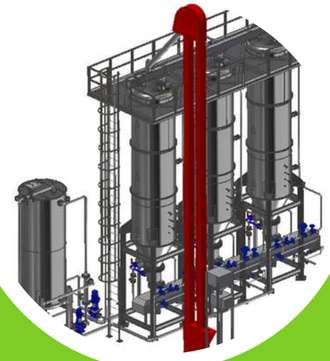
**VERTICAL BATCH TECHNOLOGY**

VBT



**HORIZONTAL CONTINUOUS TECHNOLOGY**

HCT



**HYBRID TECHNOLOGY**

HYB

*The production capacity of our parboiling plants is flexible and can be adjusted according to our customers' specific production needs; each project is therefore designed on a tailor-made basis*

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# INNOVATIVE PARBOILING TECHNOLOGIES

*Within our parboiled rice technology portfolio, we offer two solutions specifically developed with a strong focus on sustainability and characterized by a reduced environmental impact.*

Canavere Industry




**HIGH PRESSURE TECHNOLOGY**

*WITHOUT SOAKING PROCESS*

HPT

- *8-10 minutes final cooking time*
- *Saving in water and energy*
- *Start from paddy rice*
- *Unique in the world*



**MULTIPROCESS COOKER TECHNOLOGY**

*PATENTED BY OUR COMPANY*

MPC

- Innovative rotative and high-pressure cooker.
- Suitable for cereales and legumes
- Reduced cooking time compared the standard process

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# ADDED VALUE SOLUTIONS

We continuously develop solutions designed to generate tangible added value for our customers, from farm to fork.

Through innovation, engineering expertise, and close collaboration, we transform specific operational needs into improved efficiency, higher product quality, and long-term competitive advantage.

***WHATEVER YOUR RICE NEEDS ARE, WE CAN COVER IT.***



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# INSTANT RICE

***SUITABLE FOR MICROWAVE COOKING***

Our processing lines for microwave instant rice are designed to significantly reduce cooking times while ensuring consistent product quality.

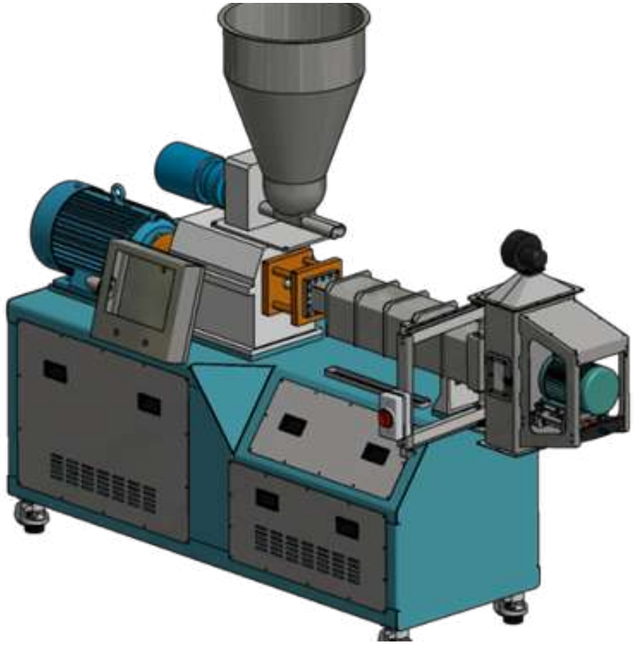
The objective is to deliver ready-to-cook rice with optimized texture and performance, suitable for final packaging in **cups or pouches,** meeting the growing demand for convenient, high-quality instant food solutions.



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CREATESHARE

# EXTRUDED PRODUCTS



In collaboration with the company CREATESHARE, we design and supply customized production **lines for the manufacturing of extruded products,** primarily rice-based, but adaptable to other raw materials as well.

This collaboration boasts a core team with over a decade of experience in research, development, and application of twin-screw extruders.

- Plant-based Meat analogue Production System
- Instant /Nutrition Rice Production System
- Puffed/Snack Extrusion Food Production System
- Cereal Breakfast/Cornflake Production System
- Grain Cereal Powder Production System
- Modified starch production system



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# RICE CAKES AND SNACKS

Healthy food, not fried

Rice cakes represent a natural extension of rice, transforming a simple grain into a versatile and convenient product.
Thanks to their light texture, long shelf life, and ease of consumption, **rice cakes/snacks add value to rice** by making it suitable for modern, on-the-go lifestyles.

Our machines add value to rice by enabling the production of puffed rice cakes and healthy, non-fried snacks. .Thanks to compact designs and efficient technology, we can create an innovative products with high added value and strong market appeal.



***Which raw materials can be used?***

- **ALL THE VARIETIES OF RICE**
- **BROWN RICE**
- **BROKENS**
- **CEREALS AND MIX OF CEREALS**
- *....others*

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# RESEARCH & DEVELOPMENT

To meet the growing demands of an increasingly competitive market, our company has invested in a pilot plant designed for testing advanced hydrothermal processes for rice and other cereals, on small scale before the industrial processing.

This dedicated R&D facility enables us to develop innovative solutions, fine-tune performance, and ensure the highest product quality across a wide range of cereal varieties.



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# TEST YOUR RICE WITH OUR LAB AT YOUR SITE








In response to the increasing challenges related to the import and export of raw materials, we have developed a pilot plant that allows customers to produce multiple rice samples directly on site before moving to industrial scale.

This short-term rental solution is supported by on-site training and assistance from our qualified operators, enabling accurate process validation, faster decision-making, and reduced development risks.

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# AFTER-SALES ASSISTANCE & SPARE PARTS

Our commitment to our customers continues well beyond the commissioning.

We remain at the forefront of after-sales support, providing technical assistance and a reliable spare parts service to ensure continuous operation, long-term performance, and maximum plant availability throughout the entire lifecycle of the plant.




OUR TAILOR-MADE SOLUTIONS
TO ENHANCE THE VALUE
OF YOUR GRAINS.
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