



ROSEWOOD  
RESEARCH

# Rosewood Research Partnership Program





# Rosewood Research Partnership Program

## Background

Rosewood Research is an organisation whose history lies in providing cutting edge research, training and services for the bread, grains processing and grain-based food industries. Whilst historically Rosewood has carried out research itself, over the past decade we have shifted our focus towards research investment.

Rosewood Research is an independent, self-funded organisation, whose aim is to fund scientific research and experimental work in connection with bread and related products, including wheat and other grains.

Rosewood Research's independence gives us the freedom to invest in novel ideas and innovative research that is beneficial to the baking, grains, and broader food industry. It allows Rosewood to operate with flexibility and streamlined administrative procedures, allowing us to work efficiently with organisations to drive real outcomes.

In addition to the above, Rosewood Research has a Test Mill, Pilot Mill, and laboratory facilities that may be available as part of the Research Partnership Program.

## Rosewoods Goals

Rosewood's primary objectives include:

- Funding scientific research, testing and development of products and processes in connection with the processing and manufacturing of bread and grain related products.
- To support institutions and researchers to ensure they have access to advanced facilities to enhance and facilitate their research and ideas.
- To promote education and training by partnering with, and funding, educational and other organisations.
- To promote and fund research that is innovative and novel.

## The Research Partnership Program

For the baking and broader grains industry to thrive, Rosewood believe it's essential that support is provided to universities, training organisations, and researchers, to help train our next generation of scientists and industry leaders. The funding model for the Rosewood Research Partnership Program will not only help achieve this goal, but contribute valuable scientific knowledge to the industry in general.

To ensure that goal is achieved, the research project should address how it contributes to Rosewood's overall goals, including how it fits with its purposes to promote research in the baking, grains and broader food industry.

## Research & Selection Process

We expect applicants to submit a fully costed research proposal, including a detailed project description with major aims identified.

Following the selection of successful applicants, Rosewood Research will negotiate the terms and conditions of the Rosewood Research Partnership Program. This may include progress reports at specified intervals, payment obligations, supervision, intellectual property, and confidentiality.

The Rosewood Research Partnership Program is an ongoing project and if you have any questions about the process please contact Rosewood Research as follows:

### Rosewood Research Pty Ltd

ABN: 94 071 129 943

1 Rivett Rd

Riverside Corporate Park

North Ryde NSW 2113

Australia

Contact name: Glenn Blundell

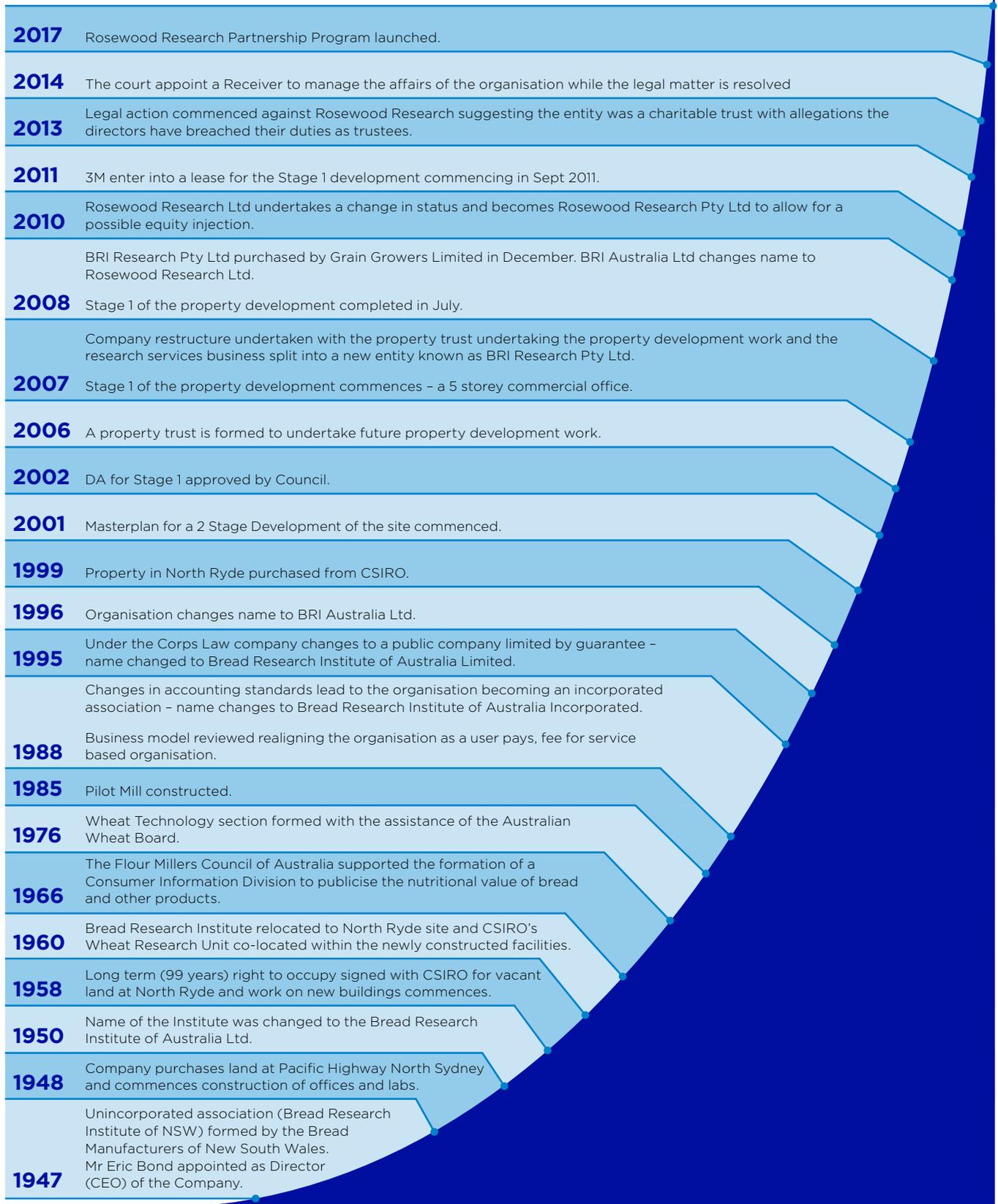
Tel: 0414 983 844

Email: [g.blundell@rosewoodresearch.com.au](mailto:g.blundell@rosewoodresearch.com.au)

Please note that Rosewood Research Pty Ltd is currently a defendant to proceedings in the Supreme Court of NSW, the details of which are contained in the covering letter to this document.

# Our History

## Timeline



# Our **Research Capabilities**

Rosewood Research has state-of-the-art equipment and research and training facilities, conveniently located at 1 Rivett Road, North Ryde.

## **Pilot Mill and Test Mill**

Rosewood Research's commercial scale Pilot Mill and Test Mill is an ideal training and research facility for both industry and non-industry personnel, with the flexibility to process a wide range of grains.

While most mills around the world are purpose-built to mill a specific product, Rosewood's Pilot Mill was specifically designed and adapted to provide flexibility in specialist niche processing with the ability to mill rice, durum, wheat, pulses, barley, spelt, maize and other grain and non-grain products. It also has the potential to be used for organic and halal processing.

This flexibility allows Rosewood to offer the mill for research and services to a wide range of users, including university institutions and members of the entire grain value chain from breeders to grain growers to bulk handlers and food manufacturers.

Included within the pilot mill is a test milling facility that is capable of evaluating a range of wheat varieties and trialling new grain processing technologies.

Rosewood's commercial scale research mill has previously been benchmarked against a number of commercial mills in Australia and has been demonstrated to provide credible commercial milling information.

Key components of the Rosewood Research Mill include:

- Grain intake equipment including tipping hoppers, bucket elevators, and dust collectors
- Screen room equipment including milling separator, stoner, indent cylinders, disc separators, magnets, screw conveyors, conditioning equipment and grain bins
- Mill plant equipment including an abrasive debranner, weighers, flow balancers, pneumatic conveying, cyclones, plan sifter, mini sifter, pin mills, bran finisher, germ aspirator, flour bins, flour mixer and packing equipment.
- Stand alone vario roll mill and alpine pin mill
- Laboratory mills including quadromat junior, Buhler Test mill with entoleters and laboratory bran finishers, hammer mills, laboratory flour blenders and grain cleaning equipment.

## **Intellectual Property**

Rosewood Research's patented intellectual property can be used to assess the quality of grains at various stages throughout the lifespan of a grain.

A patented system for detecting one or more predetermined optically derivable characteristics of a sample can be used, for example, to measure the percentage of moisture present in grain. This has vital economic benefits across the production chain as it can allow for the determination of any processing steps that might be required, such as drying of the grain during initial storage.

Rosewood Research's portable spectrographic sample monitoring machine, which can measure components such as protein and moisture content, gives a comprehensive picture of grain quality. This can assist farmers to ensure their grains are suitable quality, prior to harvesting, which in turn reduces the risk of grains being rejected further down the manufacturing process.

# Research & Partnership Program Request Form

## Research Project Details

Please enter research project details below and return by mail to the address on the back of this page:

No	Item	Details
1.	Organisation Name	
2.	Project Title	
3.	Contact Details	
4.	Research Name	
5.	Proposed Commencement Date	
6.	Proposed Completion Date	
7.	Goals/Hypothesis	(Dot point the major aims of the project)
8.	Total Project Budget - <i>tick one box below</i> <input type="checkbox"/> 0 - \$2,000 <input type="checkbox"/> \$2,000 - \$5,000 <input type="checkbox"/> \$5,000 - \$10,000 <input type="checkbox"/> \$10,000 - \$20,000 <input type="checkbox"/> \$20,000 - \$50,000 <input type="checkbox"/> \$50,000 & above	(List and/or attach summary of key expenditure items)

Please detach along the perforated line and return by mail to the address on the back of this page.

No	Item	Details
9.	Collaboration	(Is any collaboration required or foreseen with other parties)
10.	Facilities	(Description of facilities and equipment required to complete the project) - (Rosewood Research has laboratory facilities available that it will donate to the project should they be suitable/required)
11.	Project Description	(Please enter a detailed project description or attach documents outlining the project methodology and aims)

Please return the completed request form to:

**Rosewood Research Pty Ltd**

PO Box 6363  
 North Ryde NSW 2113 Australia  
 Attention: Glenn Blundell

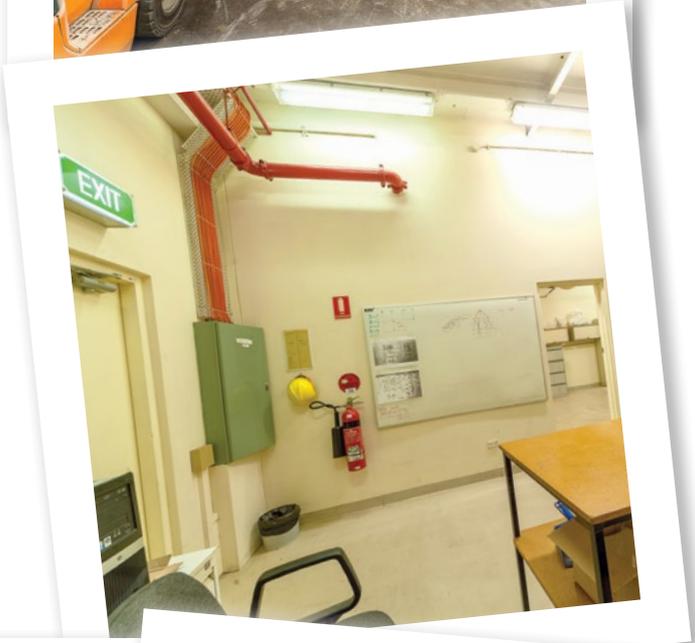
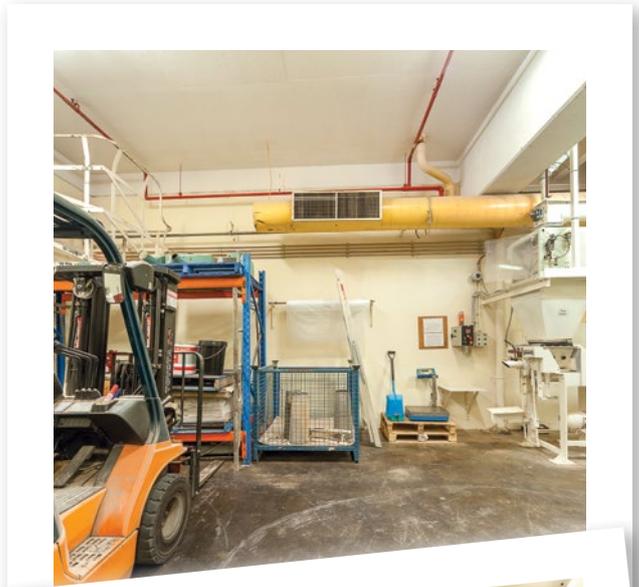
# Equipment

The Rosewood Research pilot mill contains equipment that assists researchers to develop processes that enhance the quality of grains and optimise product yield.

The mill contains the necessary equipment to remove the outer hull or skin from many different grains for further processing into granular products or flour. The Pilot Mill's commercial scale abrasive debranner can be utilised for polishing rice, dehulling pulses, rice, barley, oats, spelt and debranning wheat, barley or maize.

The Pilot Mill also has a vario roller mill that can be used for various research purposes. This machine has the ability to infinitely change the speed of each roll, and hence the differential in speed between the rolls. With a number of fluting rolls available the vario roller mill is a useful tool for experimental, research and training purposes. With a large range of sieving sizes available, it is possible to achieve most particle sizes, suitable for any sieving applications.

**“THE PILOT MILL CONTAINS EQUIPMENT THAT ASSISTS RESEARCHERS TO DEVELOP PROCESSES THAT ENHANCE THE QUALITY OF GRAINS AND OPTIMISE PRODUCT YIELD.”**





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