

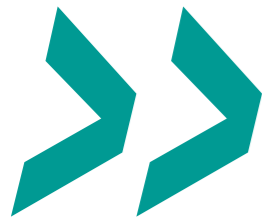


Competitive
advantage.

**Coopers Malting
Facility, Australia.**

Australian brewery Coopers was looking to gain a competitive advantage by bringing malt processing capability inhouse. By supplying its own brewery, Coopers wanted to be able to control the quality of the entire production process. The automated state-of-the-art malting plant provided by Bühler incorporates WinCos, efficiently connecting and controlling the storage and malting processes.

Malt is not only the key ingredient of beer; malt extracts are also widely used by food manufacturers. Malt is produced by germinating and refining barley, a process in which involves specific sugars and enzymes. Grain storage solutions play an important role in the process.



We've been delighted to work with Bühler because they bring to us the expertise which we could not otherwise have got.

Tim Cooper, Managing Director,
Coopers Malting Facility, Australia.



Coopers, the largest family-owned brewery in Australia opened a new malting plant at its Regency Park Brewery in Adelaide. "I always thought that it would be good if we built another malting facility right here on this site," says Tim Cooper, Managing Director of the Coopers Malting Facility. With the new plant, Coopers has gained independence from external malting plants and has expanded their process chain. The new 13,000 square meter site, built to the highest technical standards, allows the brewery to control and maintain consistent quality of malt, the key ingredient of beer.

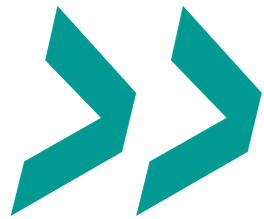
During the design process functional and aesthetic requirements were considered in close cooperation with the team at Cooper. The fully cladded hoppers and silo bins have been designed to resemble fermentation tanks, with the new plant connected to the Coopers Brewery. It is a highly individual solution designed for the specific requirements of the customer.

Achieving targets in partnership with Bühler.

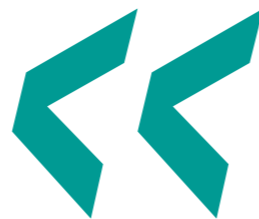
In close partnership with Coopers, Bühler provided their expertise and skills in process and plant design, high quality equipment and solutions as well as professional project management and service support by their regional teams.

Bühler Grain Quality & Supply delivered grain processing, conveying and dedusting systems as well as four germination vessels and one kiln with an annual production capacity of 54,000 tons of malt, 180 tons per batch.

This could only be accomplished by installing Bühler's high quality and reliable machinery. The new plant is set to supply Coopers brewery with approximately 17,000 tons of malt a year, with the excess in production intended for sale to a range of domestic and export customers, including independent breweries looking for a reliable supplier of high-quality malt.



The sophistication of this plant in terms of all those design elements the automation and the energy savings, the cleanability at the plant and the safety aspects way delight it to have Bühler as a partner and we look forward to working with Bühler on a long going basis.



Tim Cooper, Managing Director,
Coopers Malting Facility, Australia.



Discover the entire customer story as a video!



The project at a glance.

Project data Grain Storage

	Type	Capacity
Storage	6x Steel hopper silos 12x steel hopper silos	3,000 t barley 4,800 t malt
Loading	1x Truck	90 t/h
Processing technology	Main cleaning: 1x LAAB TAS 206A-2 3x LADB Trieur 604/1	25 t/h 8,5 t/h
	Kilned malt cleaning: 1x LAAB TAS 200A-III	40 t/h
	Malt cleaning: 1x LAIA ASA 150	50 t/h
Conveying systems	2x LBEB 2x LBEB 1x LBEB 1x LBEB 2x LBEB 1x LBEB 4x LBCB 4x LBCB 1x LBCB 2x LBCB 1x LBCB 10x LBCB 1x LBCB 3x NFAT 3x NFAT	90 t/h barley 25 t/h barley 10 t/h barley 90 t/h kilned malt 50 t/h malt 40 t/h malt 90 t/h barley 25 t/h barley 105 t/h wetted barley 90 t/h kilned malt 40 t/h kilned malt 50 t/h malt 10 t/h malt 10-15 t/h barley 10-25 t/h
Commissioning	2015	

Project data Malting & Brewing

	Type	Capacity
Steeping	3x Cylindroconical steepers	ø 6.4m, each 60 tons cleaned barley
Steeped material transport	1x Bucket elevator LGDA (combined use for steeped barley and green malt) 2x Belt conveyor LGDA 3x Belt conveyor LGDA reversible	90 t/h barley as steeped barley (140 t/h steeped barley)
Germination	4x Germination boxes (Bühler Malting vessel)	ø 18.7m, each 180 tons cleaned barley as green malt
Green malt transport	Bucket elevator: see steeped material transport 4x chain conveyor LGDA 6x belt conveyor LGDA	90 t/h barley as green malt 140 t/h green malt)
Kilning	1x Kiln	ø 24.2 m, 180 tons cleaned barley as green malt



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