

AWARD SEASON

Milling and Grain magazine was honoured to once again organise and host the GRAPAS Innovation Awards and the Animal Feed Technology and Nutrition Awards (AFTaN) at Victam Europe 2022 in Utrecht, The Netherlands on May 31, 2022.



WINNER

Arrius Integrated Grinding System by Bühler Group
Arrius is the first fully integrated grinding system (IGS) for grinding wheat, durum, rye, barley, corn and spelt where it sets the benchmark in terms of grinding performance and energy efficiency.



GRAPAS 2022 Award Winners

The winner of this year's GRAPAS 2022 Award is the Bühler Group of Switzerland for its 'Arrius Integrated Grinding System,' which the panel of international judges scored highest in almost all evaluation aspects. Its plug-and-play design along with a host of other innovative developments means it has set a benchmark for this type of equipment in the flour milling industry.

The judges evaluated eight short-listed innovations put forward by leading companies operating and supporting the milling of flour, rice, pasta and salmonella. The GRAPAS Award is based on innovations that enhance efficiency, lower costs, reduce their impact on the environment and enhance food safety.

Distinction

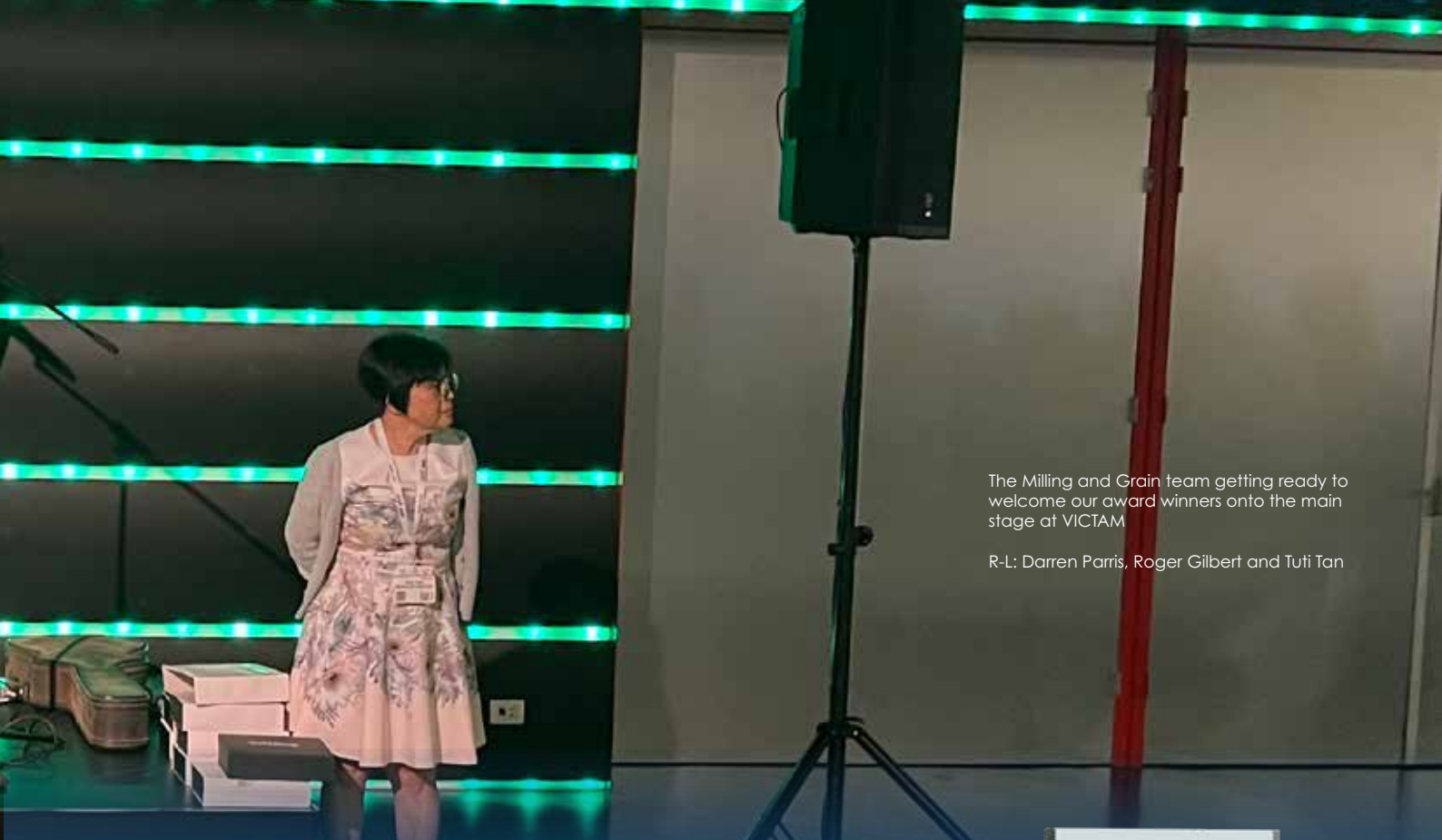
The judges collectively report the 'Arrius Integrated Grinding System' meets all these aspects and is a deserved winner of the 2022 Award.

Not far behind the first place winner is the 'HSPU Purifier' manufacturer by Henry Simon. Noted for its Italian design it is also being recognised for its digital four-pronged sensor technology which focuses on keeping both the operator and the system safe. This is a well-rounded machine that brings efficiency in operation to the production floor.

Highly Commended

Finally, the judges chose to put forward a third product that is associated with the grinding process - 'The RollCare Profile Measurement' by the Turkish company Yenar for its Highly Commended Award. This measurement device is allowing roll life to be extended by using a unique laser technology approach when refuting on site. This unusual piece of equipment is fixed to the roll by magnets in order to carry out critical measurements using laser technology to determine the optimal time for refuting.

All eight short-listed products in this year's Awards have advanced the milling process and none should be overlooked by millers when considering improvements and upgrades to their existing operations report the judges. The judges also thanked Victam International for hosting the GRAPAS Awards and for making the competition open to the entire food milling sector as an industry-wide Award.



The Milling and Grain team getting ready to welcome our award winners onto the main stage at VICTAM

R-L: Darren Parris, Roger Gilbert and Tuti Tan

AFTaN 2022 Award Winners

The winner of the AFTaN 2022 Award is the 'M007 Cooler' by Agentis Innovations of Thailand which is a completely automated moisture control system for coolers.

AFTaN Awards - or the Animal Feed Technology and Nutrition Awards to give it its full name - has been introduced for the first time at Victam International 2022. The Award attracted a wide range of applications, many of whom were keen to demonstrate and compare their products and services with others.

The winning product focused on the reduction of energy in the pellet drying process. Once again sensors and digitalisation are at the heart of this development which can achieve pre-determined moist levels in finish feeds in real time. The system can be retrofitted into almost any vertical cooler and can be integrated into existing SCADA systems.

The judges awarded a 'Distinction Award' to the Famsun company of China, who also focused its entry on energy saving, in developing its 'Dryer Heat Recovery System' which uses the heat from low-moisture air to lower energy usage. It can reduce steam consumption by approximately 15 percent.

The international panel of judges also rated as 'Highly Commented' an often overlooked aspect of pellet production with an award for the 'Lube for Life Rolls' by CPM. This company has taken technology from the heavy press industry and applied it to the production of feed pellets resulting in rolls no longer requiring lubrication. The volumes of grease used annually in rolls and the knowledge that the grease used finds its way into pelleted feed shows that this development offers greater sustainability while reducing the risk of feed contamination.

The judges also considered products and services suitable for the aquafeed sector as a separate category and made two awards: the winner of the AFTaN Aquaculture Award goes to the SJPS156 Twin-Screw Extruder by Famsun of China. This machine had a myriad of technical advances which culminate in a significant decrease in the energy required in its production performance when producing both floating and sinking aquafeeds and/or the option of improving throughput by a further 20 percent.

However, the judges could not overlook the significance of the 'Extruder Microfeed System' by Andritz, a system that reduces blockages at the die and can lead to a 30-45 percent increase in production, better energy utilisation coupled with easy installation.



WINNER

AThe M007 Cooler by Agentis Innovations

Agentis Innovations have designed a complete automated control system for a cooler which discharges the feed based on a number of parameters including temperature and moisture.

