

Business is BOOMING

Contradicting the struggles of the global economy, the worldwide milling industry continues to show signs of growth. Across the board, manufacturers of grain milling equipment say that business is booming as new mill construction and expansion projects of existing mills are on the rise in many countries around the world.

Responding to a survey conducted by *World Grain*, suppliers said Africa, the Middle East, Eastern Europe and Central Asia were the regions with the most activity in the past 12 months, particularly when it came to new mill construction.

“Our sales increased in Kazakhstan, Algeria, Bulgaria, India, Egypt and Iraq,” one company said. “And we added Afghanistan, Indonesia and Romania to our references.”

Another company said it has seen increased demand for its products in Africa, Central Asia and Europe.

Heavy construction activity in countries such as these has been reported by wheat milling equipment suppliers in recent years as demand for flour products continues to increase.

Producing equipment that is highly sanitary, energy efficient and features greater production capacity are high on the list of requests made by customers, according to suppliers.

“They are looking for energy savings, technological developments and improvements, lower labor and production costs and greater product quality,” one company said. “Those issues are most affecting the concept and production of new milling equipment.”

Milling companies are also demanding that suppliers provide after-sales assistance and spare parts service, and most suppliers say they have adapted to that request.

The following are just a few of the major milling construction projects that have recently been completed.

TAIWANESE MILLING COMPANY OPENS NEW PLANT

Chiao Thai Hsing Enterprise Co. Ltd. began operating its

by Arvin Donley

Milling equipment manufacturers report brisk sales in many parts of the world for both new construction and expansion projects

new mill in Yang Mei, Taiwan earlier this year.

The 24-hour milling capacity in the new plant is 380 tonnes per day while total grain storage is 39,000 tonnes, in addition to the upgrade of the existing line to 380 tph.

The company sources its wheat from the U.S. and Canada and produces eight different types of flour with a special line for whole wheat flour. The primary markets for Chiao Thai Hsing’s products are Taiwan and China.

One of its top customers is Din Tai Fung, a world-renowned restaurant with 62 locations around the world, including five in Taiwan. Din Tai Fung was voted as a “Top 10 International Cuisine Restaurant” by the *New York Times* in 1993.

Ocrim S.p.A. of Cremona, Italy, which designed the mill and installed the milling and storage equipment, said the plant consists of two milling lines.

Chiao Thai Hsing demanded that the mill meet high sanitation standards, and therefore stainless steel is the dominant material throughout the facility.

The wheat cleaning section includes flow balancers for wheat mixing, high efficiency rotary separators, the latest color sorting technology for high cleaning efficiency and a microwave dampening control unit (DMA), ensuring a constant and reliable measurement and addition of water to the wheat. The first

dampening is executed by means of a stainless steel vertical dampener (SCV), which ensures a uniform absorption of water in the wheat thanks to its scouring and aspiration action.

Ocrim installed its latest generation roller mills (RMX), which are made of stainless steel and equipped with a roll pack extraction system for faster maintenance. The RMX is equipped with advanced electronics, including touch screen control settings and troubleshooting.

The mill is also equipped with double high rollers mills (RMXQ model) with a drum sifter between the upper and lower passage, which allows for optimal capacity, sifting surface and power consumption. Also, the purifiers belong to the stainless steel line/range of equipment. The new SDX purifiers are characterized by an increased stroke and new design drive, which helps



Ocrim installed its latest generation roller mills (RMX) at Chiao Thai Hsing Enterprise Co. Ltd.'s new mill in Yang Mei, Taiwan. Photo courtesy of Ocrim.

achieve efficient synchronization yielding in high quality products.

The finished product storage section includes a batch mixing line that provides flour mixing flexibility. All stainless steel flour bins are equipped with independent stainless steel high pressure filters to maintain the highest sanitation level, consistent with standards of the rest of the plant.

Ocrim also installed an automation package that efficiently operates the mill, configures recipes and monitors and programs the maintenance activities of each piece of equipment.

The seven-story building is designed for future expansion.

NEW MILLS BUILT IN TURKEY

Two Turkish milling companies — Omerogullari and Hamiltogullari — began operating new flour mills earlier this year in Mardin, Turkey.

Installing equipment at the mills was Alapala Machine Industry Trade Inc., Istanbul, Turkey.

The seven-story-tall Omerogullari mill has a 24-hour milling capacity of 320 tonnes and is fully automated, featuring Alapala's latest model roller mill, Similago.

The Omerogullari facility includes 12 wheat silos, each with a storage capacity

Intersystems



Alapala's latest model roller mill, Similago, is featured at Hamitogullari's new mill in Mardin, Turkey. Photo courtesy of Alapala.

of 150 tonnes, 12 tempering bins with a storage capacity of 80 tonnes each, 10 flour bins that hold up to 120 tonnes each and two bran bins with a storage capacity of 45 tonnes each.

The Hamitogullari mill is a six-story building with a 24-hour milling capacity of 300 tonnes. Feeding wheat to the plant are eight wheat silos, each with 125 tonnes of storage capacity. Also installed were 10 tempering bins that hold up to 80 tonnes each, 10 flour bins with a storage capacity of 120 tonnes each and two bran bins that each hold up to 45 tonnes.

Northern Iraq is a primary market for both the Omerogullari and Hamitogullari mills.

UNION FRIENDS FLOUR MILLS OPENS NEW PLANT IN EGYPT

Union Friends Flour Mills recently began operating a new, highly automated flour mill in Asyout, Egypt with a 24-hour milling capacity of 300 tonnes.

The seven-story facility, which took five months to complete, features 40,000 tonnes of grain storage capacity, 16 of



IMAS installed 16 roller mills at Union Friends Flour Mills' new plant in Asyout, Egypt. Photo courtesy of IMAS.

IMAS' latest generation roller mills, four IMAS jumbo quadro plansifters, and three semolina purifiers manufactured by Konya, Turkey-based IMAS.

Union Friends Flour Mills produces flour for bread, biscuits and cake primarily for customers in Egypt but also for export to other countries in the Middle East and Africa. The company

sources wheat from the U.S., Russia and Australia.

NEW TURKISH FLOUR MILL BEGINS OPERATIONS

Doruk Marmara Un Sanayi, a division of the Turkish-based Doruk Group and one of the largest flour milling companies in Turkey, began operating a new

Mesma Trading

flour mill in Tekirdag, Turkey, with the first milling line installed in 2009 and the second in 2010.

Supplying the milling equipment for the project was Ugur Makina, Corum, Turkey.

Capacity for the first milling line, which produces three kinds of flour and two kinds of bran, is 552 tonnes per 24 hours. The second line produces five kinds of flour and one type of bran and has a 24-hour milling capacity of 600 tonnes.



Among the equipment installed at Doruk Marmara Un Sanayi's new mill in Tekirdag, Turkey by Ugur Makina is this purifier. Photo courtesy of Ugur Makina.

Twelve wheat storage silos were erected, each with a storage capacity of 3,000 tonnes for an overall total of 36,000 tonnes.

Doruk Marmara Un Sanayi has produced flour and mixes for domestic and international customers in places like Africa and Asia since 1970. Its overall 24-hour milling capacity is 1,600 tonnes and its wheat storage capacity is 50,000 tonnes.

SWISS MILLING COMPANY EXPANDS FACILITY

Haldemann Muhle AG, a flour milling company based in Trubschachen, Switzerland, expanded production capacity in 2010 at its plant in Trubschachen.

The four-month expansion project involved installing additional equipment from Reinhard Rueter Maschinenbau, Hille-Nordhemmern, Germany. The expansion increased 24-hour milling capacity by 10 tonnes.

Among the equipment installed were



Reinhard Rueter Maschinenbau's cross-yoke plansifters were installed at Haldemann Muhle AG's mill in Trubschachen, Switzerland. Photo courtesy of Reinhard Rueter.

cross-yoke plansifters with four aluminum sieve stacks and a capacity of 350 kilograms per hour.

Haldemann Muhle sources its wheat locally and sells its flour and its by-products for animal feed to customers throughout Switzerland. **WG**

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