

# PulseFlow® Technology takes the Crown in Columbia, MS

When Crown Health Care opened its fourth laundry, in Columbia, Mississippi, Pellerin Milnor provided a comprehensive service including plant design, machine supply and installation, start-up and training. The project was the first in the Crown group to install PulseFlow Technology tunnel washers



**MAINTAINING HIGH STANDARDS:** Rick Hamlin, Crown Health Care's chief operating officer (left), is seen here with Scott McClure of Pellerin Laundry Machinery Sales.

Hamlin said that ever since his company first worked with Pellerin and Milnor they have helped Crown to maintain quality standards for its customers. The project in Columbia was "seamless"

**F**ounded in 1955, Crown Health Care Laundry Services is an independent full-service healthcare laundry processor and linen rental company with headquarters in Pensacola, Florida. The company has a long history of using Pellerin Milnor and Chicago Dryer equipment in its laundries and when it needed to equip its fourth plant, located in Columbia, Mississippi, Pellerin Laundry Machinery Sales Company was the obvious choice.

As the authorized sales and service provider for Pellerin Milnor, ADC, Energenics, E-Tech, and Chicago Dryer, the company not only equipped the laundry but also designed the layout, co-ordinated equipment delivery, installation, rigging and assembly and organised start-up and training.

Don Haferkamp, Crown's CEO said: "Our mission is to provide health care linen and laundry services to customers that demand quality and cost control through the best possible use of linen. Crown is more than a supplier and forms long-lasting partnerships with customers by providing exceptional support and integrity.

"We chose to partner again with the Pellerin team and its vendors because they understand the importance of customer service and support for all four of our laundries. The recent addition of our 85,000ft<sup>2</sup> laundry in Columbia allows us to serve our customers more efficiently."

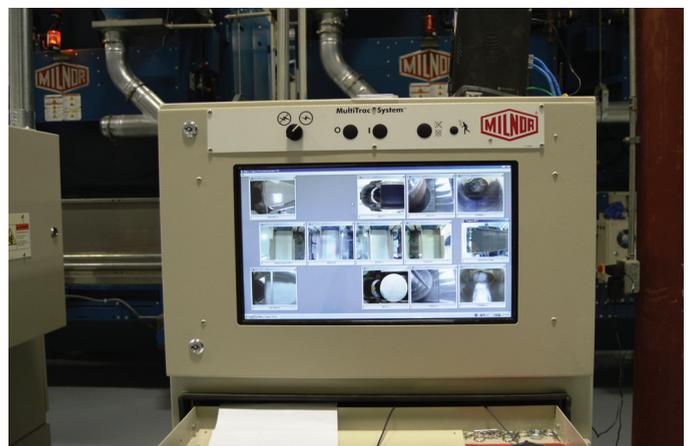
The Columbia laundry is the first in the group to install Milnor's PulseFlow® Technology tunnel washers.

**WATCHFUL EYE:** With camera feeds to photo-eye sensors on the discharge conveyors, the MultiTrac system can watch out for the risk of work queues building and take action

The two Milnor 76039 10-module tunnels are capable of providing in excess of 4,536kg (10,000lb) of clean healthcare linen per hour and Rick Hamlin, Crown's chief operating officer, said that the PulseFlow® tunnels achieve a water consumption of less than 4.5litre/kg (0.5gal/lb) throughout the plant. He added that Crown is very satisfied with the quality and performance of the PulseFlow tunnel system.

The Columbia laundry began processing linen in May 2014. Hamlin pointed out that the workflow is crucial to the design of any laundry. Milnor was able to create a continuous workflow by integrating E-Tech rails to transport linen throughout the production lines.

After extraction in the two MP1656 56bar single-stage presses, the work is automatically taken by the E-Tech press-to-dryer rail system to the next available storage belt





**HIGH VOLUMES:** Two 10-module PBW tunnels process over 4,536kg/hour

between any of the pairs of Milnor 6464 dryers. Then a discharge belt takes the load to a clean-side rail which will transport it to the next production stage. As soon as the dryer's discharge door closes, its load door will open so the next linen batch can be loaded in seconds. This dryer pod configuration minimises the time it takes for washed work to be delivered to the finishing area.

The Milnor dryers feature a significant innovation – GreenFlex™ (automatic energy mode), which dynamically modifies the airflow to reduce fuel consumption at off-peak times. GreenFlex can switch the dryers to a more energy-efficient mode when longer drying times are needed but if the MultiTrac™ system identifies a risk of a queue forming it will automatically switch off GreenFlex. In this way the plant can reduce energy use without compromising the workflow or drying quality.

The whole laundry is equipped with touchscreen controls and batches are tracked, and the data saved, throughout the production lines. The Mentor® Controls for each CBW have embedded video of the load chute while the MultiTrac System Control has camera feeds to all photo-eye sensors on the discharge conveyors. All batches are completely traceable, viewable, and recorded on the MilMetrix® Dashboard.

The boiler room is equipped with a Kemco heat-exchanger, boiler stack economiser and condensate return vent condenser. This system captures heat (energy) from the pit water, condensate return and boiler stack and uses it to



**PRESS-TO-DRYER TRANSPORT:** The E-Tech rail system is seen here delivering washed and extracted linen to the dryers

produce tempered and hot water for the washer-extractors and the PBW™ tunnels.

Labour is the highest cost in most laundries. Crown and Pellerin designed the Columbia plant to be completely automated from the E-Tech sorting system, through delivery to the tunnels and dryers, and then to the Chicago sheet separators and feeders. In most cases operators are only involved at three points in the production line.

The Columbia, Mississippi laundry currently operates one shift and delivers clean linen to its customers six days a week.

Rick Hamlin said: "Pellerin and Milnor stand behind their product. Ever since the Quitman, Georgia plant, the level of service we received from Pellerin has helped us maintain standards for our customers. The Columbia laundry was a seamless project thanks to Pellerin."

"Our goal is to offer a consultative, proficient approach throughout the design-build process," said Scott McClure, vice-president of sales for the Pellerin Laundry Machinery Sales Company. "We have a long-lasting relationship with Crown because of our mutual understanding of the importance of customer service and support," he added.

For over 50 years, Crown Health Care Laundry Services has remained a top quality linen and service provider in Florida, Georgia, Alabama, Mississippi, Louisiana and South Carolina. Opening the Columbia laundry has allowed Crown Health Care to offer a more efficient service for its customers in Mississippi and Louisiana. ■

### Meet Milnor in Milan at Expo Detergo

Milnor International, Pellerin Milnor's European arm, will be exhibiting a range of developments on its stand at Expo Detergo (V29/Z30 Hall 4). Thierry Lambermont (pictured right), who was recently appointed managing director, will be on hand to discuss the machines including the MWF-Series of suspended washer-extractors and the 48040 tilting washer, a robust machine with 125kg (250lb) capacity, which is joining the F-Series. Both are available with the E-P Plus® or MilTouch™ controls.

The MWF-Series is the latest product innovation to result from the recent Milnor/CSM joint venture partnership. The MWF-Series is ideal for commercial and OPL businesses as the machines give excellent wash quality, can be programmed to suit requirements and have a soft-mount frame. They are available in 27kg (60lb), 45kg (100lb), 63kg (140lb) and 77kg (170lb) capacities.

The stand will also feature an eight-module 68kg (150lb) capacity 76039 PBW™ and laundry owners can find out more about how they can have a seamless PBW project like Crown Health Care.

