

Columbus McKinnon Corporation Sarasota, Florida has reported a substantial increase in sales inquiries regarding the pyrolysis and gasification market. Inquiries into this market are on the rise from across the globe and it is having a positive effect on equipment sales at Columbus McKinnon Corporation.

Charles Astafan, General Manager stated that there are numerous pyrolysis and gasification systems available on the market today from all corners of the world and the technology can vary substantially. Therefore, the feed stock required for each plant can vary as well.

Some systems can accept a mix of passenger car and truck tires while others only accept passenger tires due to the different materials used to produce these types of tires. Some reactors can accept larger chips with wire in them while others require that the wire be removed and that the particle size is more defined.

With CM's wide array of equipment selection specifically designed for tire recycling, CM has the capability to provide systems that satisfy a wide variety of requirements for this market. CM has supplied systems that produce qualified chips of 50 mm and 25 mm with steel in them for this market as well as systems that produce steel free rubber chips.

Most recently CM has supplied a complete turnkey installation for one for the most state of art pyrolysis systems in Europe. The system is capable of producing 25 mm wire free rubber that will be used as feed stock for the reactor.

Columbus McKinnon was chosen to supply this system due to its ability to supply a turn-key system capable of processing passenger car and truck tires to > 25 mm wire free rubber and clean steel with a purity level of > 96%.

The system consists of four major components. A CM Primary Shredder and External Classifier for processing whole passenger car and truck tires to 150 mm chips. These chips are then being feed to a CM 4R Rotor Liberator which liberates the wire fraction from the rubber as well as sizes the rubber. Liberated materials are being processed by the CM Zero Waste wire cleaning system that efficiently separates the rubber and steel fractions. An air handling system is being used to capture the nylon material that is separated during the process and it is also used to remove excess nylon fiber from the wire. The rubber is being fed directly to silos where it is being stored prior to being feed into the reactors. As a result of its purity level the wire is being sold to the steel industry.

For more information on CM Tire Recycling Solutions please visit www.cmtirerecyclingequipment.com.