

Piovan Announces Release of Easylink Automatic Coupling Stations

Wednesday, March 04, 2015 by Piovan



Piovan has announced a new range of automatic coupling stations, which will be launched in 2015.

The stations provide technologically advanced solutions, guaranteeing no cross-material contamination and high-production performance, eliminating a primary concern for users of automatic stations.

Manual coupling stations are widely used in the plastics processing industry, which are suitable for handling moderate workloads.

In the case of multiple uses, connecting flexible pipes to the right source, and moving them as required, can be a complicated and tiring task.

The pipes are coded, as managing several pipes can cause problems such as dirt that needs to be constantly removed, and the use of connections that over time wear out, and have to be removed or replaced.

Since 1989, Piovan has made automatic coupling stations as a safe alternative to manual systems involving multiple sources and uses.

Approximately 600 Piovan coupling stations are installed worldwide, more than half of which have been installed in the past four years, highlighting the growing success of this solution in many industrial sectors.

In 2015, the company launched its Easylink range of coupling stations, with three models: EL 20, EL 40, and EL 60. The first digit indicates number of sources, and the second the number of destinations.

The Easylink range is fitted with a device that thoroughly cleans the conveyor pipe when a different material is being handled on the next cycle.

The stations have a single, rigid and enamelled selection pipe, which handles polymers of all hardness grades, with a variable diameter of 40mm, 50mm-60mm and 76mm for small, medium and large capacities.

Easylink is the only coupling station range that can manage a high number of sources and destinations, and has a capacity ranging from a few to thousands kilos per hour.

An Easylink station has the following components:

- An automatic connection system to the feeder line
- A servomotor that drives selection of the material line
- A position controller that ensures proper placement of the mechanism
- A control unit that can be integrated into all vacuum conveyor systems

The simple design of Easylink facilitates management and maintenance, limits wear and tear on components, and ensures utmost reliability even under severe operating conditions.

The first system, which was installed 25 years ago, is still in operation.