

Tubular push
conveyor TUBO™.
**A revolution
in gentle coffee
conveying.**

Tubular push conveyor TUBO™.

Inspiring flexibility in gentle coffee conveying.

Bühler TUBO is a revolutionary design for gentle mechanical conveying of green or roasted coffee beans, and roast and ground coffee. By contrast to conventional systems, the bulk material is pushed by TUBIT push elements in a closed pipe without any cable or chain.



TUBIT elements push the product gently through a pipe. The revolutionary design requires no chains or cables.

The innovative Bühler TUBO conveying system is setting new standards in the coffee factory. A tube in a three-dimensional layout has the flexibility to connect multiple product inlet and outlet points and makes plant design easy. TUBITs are lined up in the tube with one TUBIT pushing the next all driven forward by a single mechanical drive station. Coffee is protected in the void space of each TUBIT.

Gentle, flexible and hygienic.

The tubular push conveyor TUBO is the good choice for conveying green or roasted coffee beans, and roast and ground coffee. The relatively slow speed of the push elements in the tube ensures a gentle conveying. Regardless of the low speed, high mass flow rate can be achieved. This low-friction system minimizes bean breakage to an unparalleled low level.

The push elements prevent roast and ground coffee from segregation and maintain the original particle size distribution. The TUBO system leaves no product residues in the pipe and ensures product traceability in addition to meeting the highest sanitation standards.

Low energy consumption.

Since there are no cables or chains creating tension in the bends of the tube, TUBO considerably reduces system friction. This results in lower energy consumption compared to conventional conveying systems. Moreover, the three-dimensional tube layouts of the TUBO often reduce the number of required transfer points, conveyors and space required for a given conveying application. The features impact the return on investment.

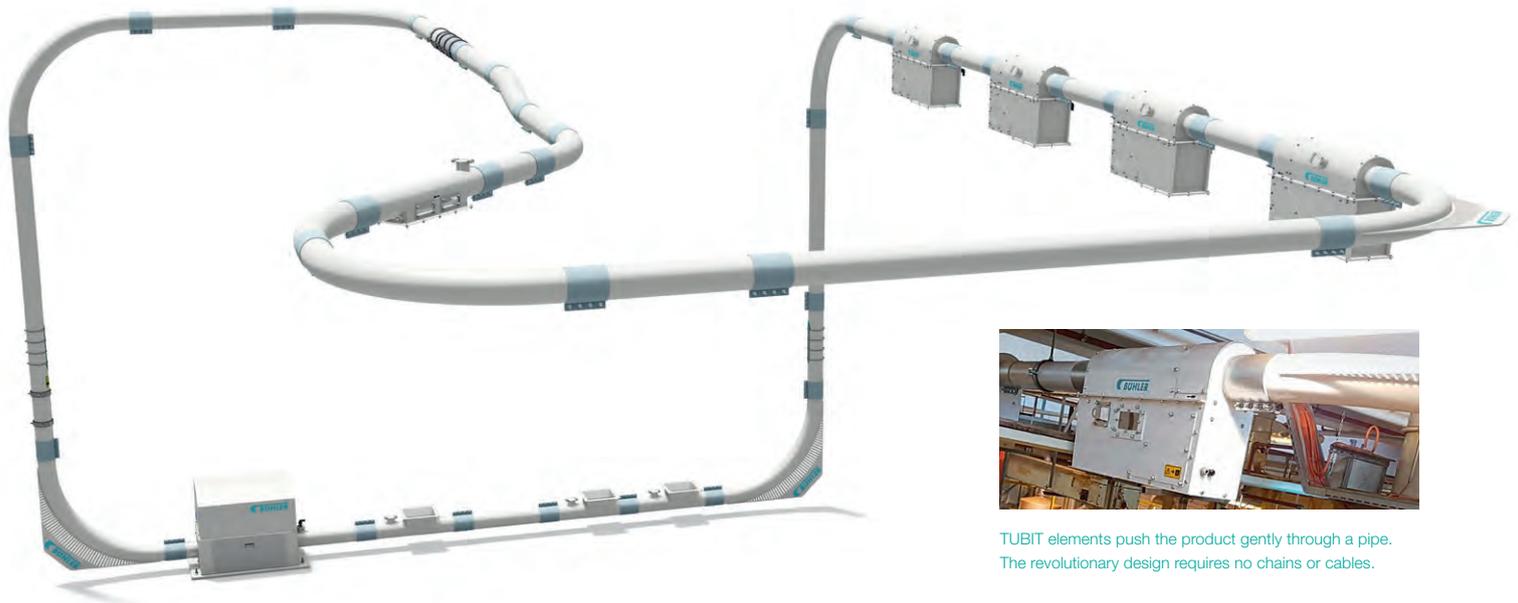
Operational excellence.

The robust design of the TUBO ensures low maintenance and a long lifetime. The pipe can be made in powder-coated painted mild steel or stainless steel. The TUBIT push elements are made from multiple layers of high-performance synthetic materials and resist wear for many years. TUBIT replacement is simple. A special camera TUBIT can be sent through for a complete interior tube inspection. TUBO maximizes safety. The closed tube design and the low conveying speed eliminate any need for further explosion protection measures. The engineering knowledge of Bühler is at your service for layout planning and system integration.

Bühler –
bringing coffee flavor sensations to life.



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One TUBIT element pushing the next, the TUBITs are lined up in the tube and are pushed forward by a single mechanical drive station.

Bühler AG

CH-9240 Uzwil
Switzerland

T +41 71 955 11 11
F +49 71 955 35 82

consumerfoods@buhlergroup.com
www.buhlergroup.com

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