



Duo-Crusher Opening the cells of PUR foam components

Engineering Passion

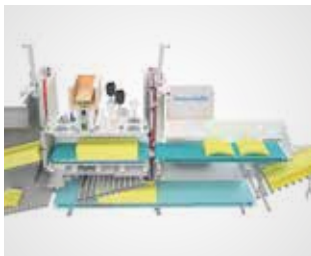
KraussMaffei

Duo-Crusher with two functions

Whether used as a vacuum or roller crusher, the Duo-Crusher covers both versions in one. It breaks open cell walls of PUR flexible foam products such as car seats, upholstered furniture and other flexible foam components. This prevents shrinking of the product. The flexible foam component becomes breathable and gains an elastic behavior.

Vacuum crusher

The vacuum crusher breaks open the cell walls using a vacuum in the vacuum chamber. The aerosols and gases left over from the reaction in the cells escape and get sucked up by the vacuum. The vacuum crusher is suitable for flexible foam components with rigid and sensitive inserts.



Roller crusher

The roller crusher is useful for flexible foam components without inserts. The component is guided through the roller area and mechanically deformed until the cell walls break open.

Your benefits:

- Vacuum and roller crusher in one machine
- Compact design with high degree of automation
- Independent operation of both crushers
- Crushing components with or without inserts
- Throughput speed and vacuum crush process can be adjusted via control system
- Completing flexible foam systems

Technical data of the Duo-Crusher

Dimensions	5950 x 1850 x 2950 mm
Power consumption	17 kW
Compressed air	6 bar

Technical data of the vacuum crusher

Capacity per day	approximately 7,000 foam components
Cycle time *	< 22 s depending on the vacuum systems and cycles
Charging	Individual or components stacked above each other
Vacuum chamber size	1600 x 900 x 400 mm

Technical data of the roller crusher

Capacity per day	approximately 10,000 foam components
Speed	6 - 15 m/min adjustable
Charging	Individual

* Vacuum cycles (mbar) and number of cycles can be programmed as desired