TUBEX Aluminum aerosol cans





Reproducability

Usability

Efficiency



Technical Data

Parts:

Internal coating of aluminum aerosol cans

Part Dimension:

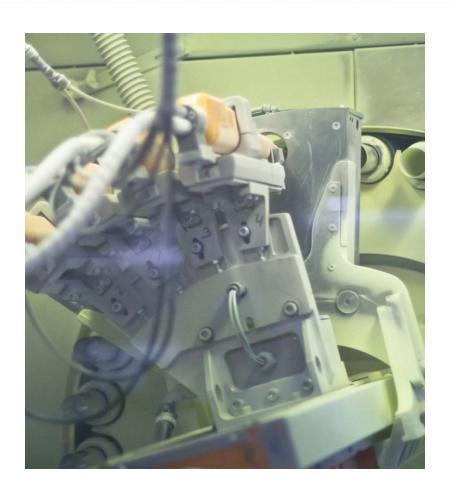
Ø 45 mm

Principe of conveying:

Continous conveying / appr. 180 pcs / min

Scope of Delivery:

- 4 x OptiGun GA02 automatic powder gun including extension nozzles
- 1 x OptiCenter incl. fresh powder supply
- 1 x Powder recovery system
- 1 x Rotation sieve machine with continous debris removal















Based in the German town of Rangendingen, the packaging specialist TUBEX is a leading manufacturer of aluminum aerosol cans, which it coats on the inside to protect the contents. If solventbased paints are used, the exhaust air needs to undergo thermal cleaning. But given the high investment costs, rising energy prices, and the maintenance costs involved, this is not really a costeffective option. Also, a postsystem combustion starts approach the limits of its capacity within just a few years as sales figures increase. In powder coating TUBEX discovered an alternative which does not require thermal

Gema

cleaning and takes up very little space. TUBEX's initial trials with powder coating date back to 2003, with the focus on machine Various technology. system manufacturers made their products available during the development phase. Initial trials failed due to the complex configuration involved, the problems integrating the technology into existing production systems, but mainly the need for long-term stability as regards the production process. The major challenge was extremely short the triaaer frequency required for the guns in order to ensure the permanent activation and deactivation of the powder flow remained reliable during the coating process. Ultimately, it was Gema who offered the best

solution. The first test was immediately successful, and the system proved relatively easy to use. Shortly after the trials, TUBEX started production with a small Gema system and processed a number of customer orders for bagin-can containers. A thin-coating subsequently application was developed, and the first powdercoated cans produced on an industrial scale were delivered in 2009. OptiStar controls and the proven GA02 powder guns with extensions are at the heart of every system. Based on continuous operation, they are able to achieve coating thicknesses of around 25 µm at high speeds.