



## ADVANTAGES

- Best separation efficiency
- Low energy consumption
- Optimised maintenance due to large service doors and quick locks for toolless filter change
- Low space requirements due to stackable modules
- Flexible configuration for emulsion, oil, and MQL applications
- Easy adjustment to changed process conditions
- Modular system with an air capacity from 4,000 m<sup>3</sup>/h up to 48,000 m<sup>3</sup>/h (2,400 cfm - 28,000 cfm)

## Application

Due to its high degree of flexibility, the mist extraction system Handte EM-O Flex can be used for different applications in metal processing like cutting, grinding, turning, milling - especially in aerosol separation..

## Installation Options

The modular principle of the Handte EM-O Flex mist extractor facilitates both a serial and parallel connection of the systems. For standard applications, the individual separation systems are usually connected in parallel; for special applications, such as grinding processes with oil or other processes with extremely high loads, in series.

## Comment

With its progressive filter structure and the maximized filter area, the mist collector achieves maximum separation efficiency and low emission values corresponding to ePM1 80% and better. Optimized filter media ensure the best possible drainage of separated aerosols during continuous operation, long service lives of the filter elements and high plant availability. The maximized filter area in particular ensures that minimum differential pressures are maintained, guaranteeing considerable long-term energy savings in operation. The newly developed filter elements EM-O Pack for the main filter stage unite coarse and fine filter stage in one housing. The media can be combined depending on load, particle properties and air volume. The EM-O Pack filter cassettes impress with their low weight, compact design and special installation situation. Large maintenance doors simplify tool-free filter change. The additional coarse pre-separator, e.g. for chips and coarse particles, is easy to clean and can additionally be equipped with the filter element EM-O Bag for optimized pre-separation, e.g. of solid or larger dirt loads. Thanks to its design, the EM-O Bag can be changed very easily and quickly and allows space-saving disposal with the separated dirt (100% incinerable). Recirculation of separated liquids is a standard feature for each module.