

AIR CLASSIFIERS

AC Series

1 or 2 Stage Air Classifier systems for the precise separation of metal powders

The AC series Air Classifiers are designed for the precise separation of metal powders into fine and coarse powder fractions especially in the range < 25 μm , where conventional sieving operations fail.

THE AIR CLASSIFIER ADVANTAGE

- Process Small to Medium Size Powder Batches
- Precise particle separation (steel or bronze from ~4 to ~120 μm .)
- Up to 200 kg/h for bronze/steel (adjustable based on material feed).
- Short training period and reliable operation.
- Easy inspection and maintenance, with low cleaning effort.
- Minimal metal loss and cross-contamination.
- High process stability.
- Optional remote control function available.

Classification Under Protective Gas Atmosphere: G Versions AC 1000 G / 3000 G

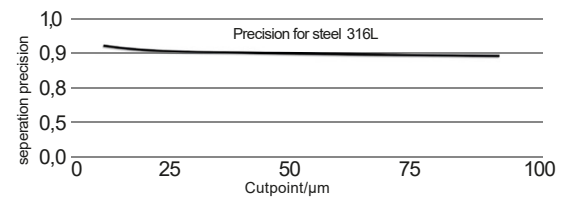
The AC G-series is ideal for separating metals or alloys in environments where oxygen, moisture, or room air contamination must be minimized. An oxygen measuring system ensures precise control based on set values. You can program a specific target O₂ value for process initiation. For reactive metals, please reach out to us for further details.

Available AC Models

	AC 1000	AC 1000 G	AC 3000 G
Throughput (steel)	75 kg / h	75 kg / h	200 kg / h
Classifier range (steel)	4 - 120 μm	4 - 120 μm	4 - 120 μm
Number of cut points	Single stage	Single stage	Single/double stage
Process atmosphere	Air	Inert gas	Inert gas



The coarse fraction settles down in the first collector (in the background), the fine fraction is transferred via the cyclone to the second collector.



Cut point and separation precision

The cut point can be shifted by varying the classifier wheel speed and the fan settings over a wide range while maintaining high separating precision.

