



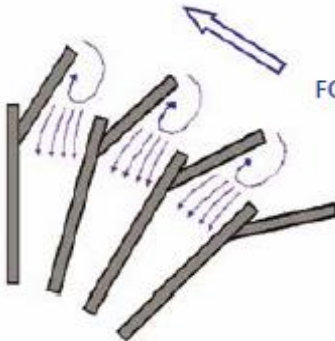
This new classifier for fineness values of d_{97} between 2 and 4 μm at high product yields is ideal for the ultrafine classification of mildly abrasive products such as limestone, talc, silica, graphite, barite, mica and kaolin.

The patented classifying wheel geometry of the Turbo Twin permits high throughput rates and loading factors at a steep top cut, and therefore constitutes an attractive alternative to the Alpine multi-wheel classifiers. The low pressure drop results in an even lower energy consumption than that of the ATP.

The classifying wheel is supported at both ends and permits extremely high speeds, i.e. peripheral speeds of up to 120 m/s can be realised. Product feed is either by gravity or pneumatic.

The classifier bottom section corresponds to that of the ATP, meaning that any existing ATP machine can be retrofitted with the TurboTwin classifier.

The classifying wheel is driven by means of a three-phase asynchronous motor with frequency converter and flat belt drive. There are currently 5 machine sizes with drive outputs between 18.5 and 132 kW available.



FORCED VORTEX FLOW IN CLASSIFYING WHEEL

APPLICATION AREAS

- Superfine end products
- Mildly abrasive feed products, e.g. limestone, talc, silica, graphite, barite, mica, kaolin

WEAR PROTECTION

- Naxtra classifying wheel
- and tungsten carbide coating



TURBO TWIN
CLASSIFIER TTC



- 1 Feed bin
- 2 Feed metering device
- 3 Diverter valve
- 4 Super Orion Ball Mill S.O.
- 5 Bucket elevator
- 6 Safety screen
- 7 Stratoplex Classifier ASP
- 8 Cyclone
- 9 Turbo Twin Classifier TTC
- 10 Product collection filter
- 11 Fan
- 12 Nuisance dust extraction
- 13 Control cabinet

Turbo Twin Classifier TTC	Type	200	315	500	630	710
Scale-up factor	F = approx.	1	2.5	6.25	10	12.5
Drive power	kW	18.5	30	55	90	132
Max. speed	rpm	10000	7300	4600	3650	3250
Max. air flow rate	m³/h	1600	4000	10000	18000	25000
Fineness	d ₉₇ = approx. µm	2.5	3	3.3	3.5	4
Fines yield max*) d ₉₇						
	3 µm in t/h	0.04	0.09	-	-	-
	4 µm in t/h	0.07	0.18	0.42	0.63	-
	5 µm in t/h	0.11	0.26	0.65	0.98	1.3
	6 µm in t/h	0.14	0.35	0.88	1.4	1.9
	8 µm in t/h	0.23	0.56	1.4	2.3	2.9
	10 µm in t/h	0.28	0.79	1.8	2.8	3.5

*) Feed material with 70% < d₉₇

