

NEA ICM IMPACT CLASSIFIER MILL



PROCESS

for Powder Coating Applications



NEA Benefits

Experience

- The development of the Impact Classifier Mill started in 1992
- Today, more than 500 NEA milling systems are in use for Powder Coatings
- ICM systems are the first choice of leading Powder Coating manufacturers

Particle size distribution

- Sharp top cuts and narrow particle size distributions due to NEA classifying technology
- The large grinding chamber provides gentle grinding at cooler temperatures, resulting in less fines generation
- Different types of grinding tools for each application

Operating costs

- Direct Drive design
- Low maintenance
- Heavy duty design
- Increased utilization due to easy and complete access for quick cleaning for color changes

Mill type	ICM	2.4	6.0	9,6	(12)/15	(19)/24	(30)/38	(48)/60	(76)/96
System intake airflow ICM	m ³ /h	144	360	576	(720)/900	(1140)/1440	(1800)/2280	(2880)/3600	(4560)/5760
Mill Drive Coaxial-/Belt-/ Direct- Drive	CX/BD/DD	CX	CX	BD	BD	BD	BD	DD	DD

(*) System intake airflow in cyclone classifier operation mode

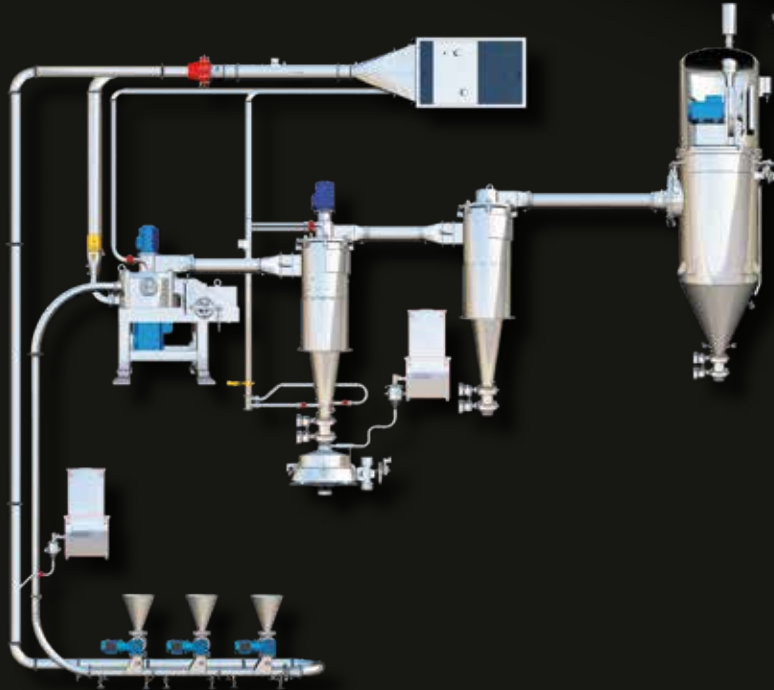
NEA ICM IMPACT CLASSIFIER MILL



for Powder Coating Applications

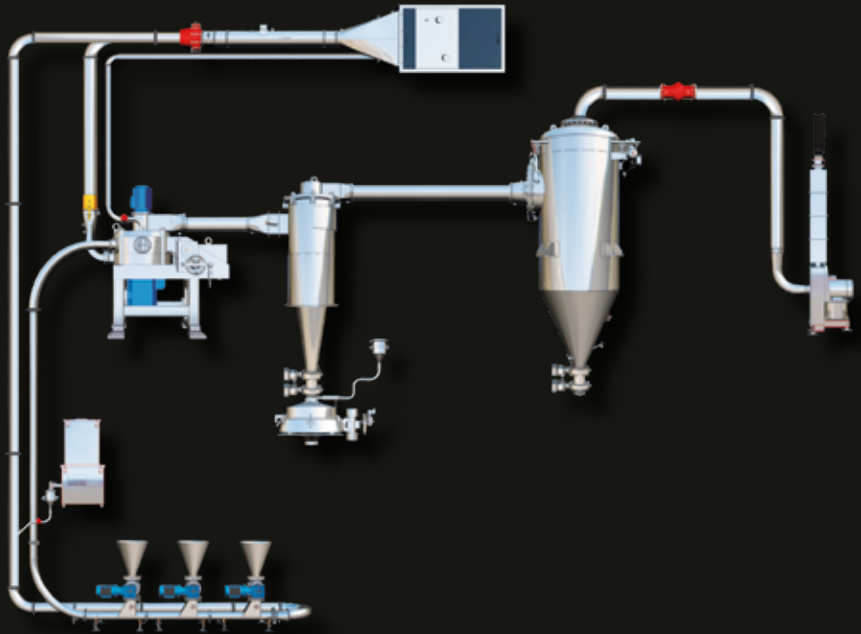
Cyclone Classifier Configuration

- Adjustment of fines by cyclone classification
- Highly efficient cut of fines
- Narrow particle size distribution
- Lifting and Swivelling Device with convertible Cyclone Head for quick change to Cyclone Collector operations



Cyclone Collector Configuration

- 99% \pm 0.6% collection efficiency
- 80° swivelling device for product cyclone
- Quick and easy accessibility to all product contacted parts



NEUMAN & ESSER Process Technology GmbH

Werkstrasse, 52531 Übach-Palenberg, Germany

Phone: +49 2451 481-03 • neagmbh@neuman-esser.de • neuman-esser.com