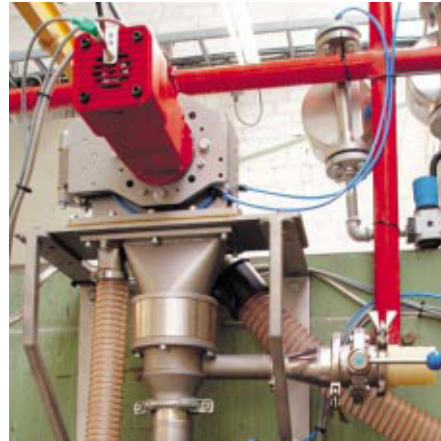


## SEPARANO®-SE DYNAMIC AIR CLASSIFIERS

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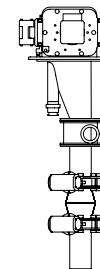
◀◀ **SeparaNo® 9420-SE**

◀ **SeparaNo® 2090-SE**



◀◀ **SeparaNo® 9420-SE**

◀ CLASSIFYING WHEEL 300



OUR **NOLL** CLASSIFIER SERIES **SeparaNo®-SE** REPRESENTS A NEW, REVOLUTIONARY CLASSIFYING TECHNOLOGY. LIKE ALL **SeparaNo®** MODELS, OUR SE CLASSIFIERS ARE DESIGNED FOR MOST RAPID CLEANING AND EASY MAINTENANCE. THUS FREQUENT PRODUCT CHANGES CAN BE REALIZED VERY EASILY.

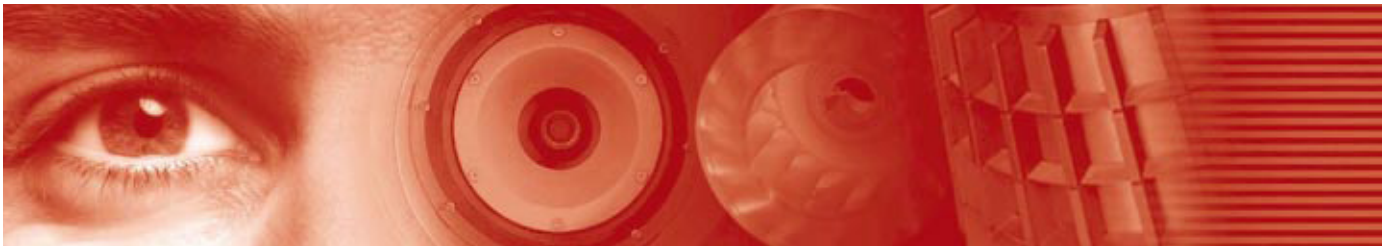
FURTHERMORE, WE HAVE REVERSED THE CLASSIFIER'S DIRECTION OF FLOW, WE PROVIDE A NEW, IMPROVED PRODUCT INPUT, AND WE HAVE OPTIMIZED HOUSING GEOMETRY: THE CLASSIFIER'S ARRANGEMENT IS NOW ECCENTRIC, PERMITTING A CONSIDERABLE REDUCTION OF THE ADDITIONAL AIR REQUIRED, WHILE MINIMISING ABRASION.

- ▶ **FULLY AUTOMATIC OPERATION**
- ▶ **COMPACT CONSTRUCTION**
- ▶ **EASY AND QUICK CLEANING/MAINTENANCE**
- ▶ **EXTREMELY LOW ABRASION**
- ▶ **HIGHLY EFFICIENT CLASSIFICATION**

### CONTACT:

#### NOLL PROCESSING TECHNOLOGY

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D-86399 BOBINGEN	FAX: +49 (0) 82 34 / 9 66 15-80
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## SEPARANO®-SE DYNAMIC AIR CLASSIFIERS

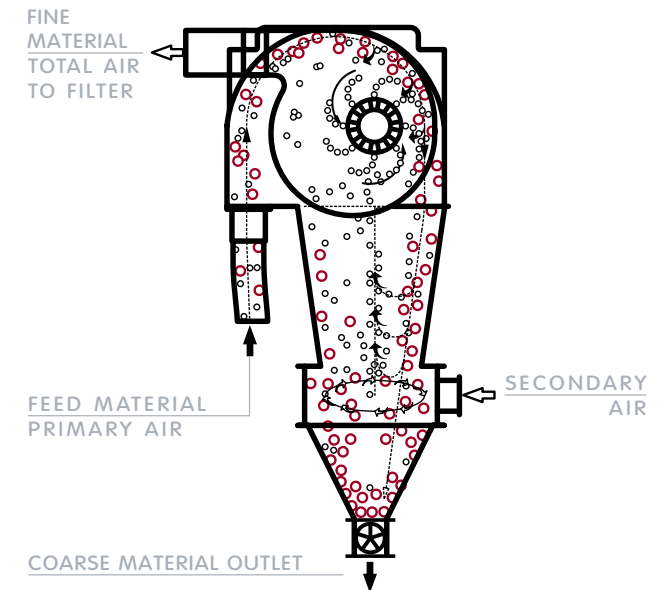
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### WORKING PRINCIPLE CLASSIFICATION

The product enters via the primary air stream and is directly transported to our specially designed NOLL classifying wheel. Dry, oil-free air ensures uncontaminated feed material. Using centrifugal forces, the classifier wheel separates the fine particles from the coarse, allowing very steep particle size distributions.

The coarse material flows back down into the coarse material separation zone, where its particles mix with turbulent air; thus further separating small dust particles and eliminating agglomerates. The treated coarse particles continue through the bottom timing flap exit to be discharged.

The classifying performance is controlled and optimized by adjusting air volume and throughput, as well as by the classifying wheel's rotational speed. A specially generated air stream along the classifier wheel insures that no powder can enter the bearings or block the classifying wheel. The fine material according to specification exits the machine through the tangential exit, where it is packaged in the appropriate packaging medium.



### PRODUCT-SPECIFIC MACHINERY CONFIGURATION:



#### CLASS. WHEEL

- ▶ Stainless steel
- ▶ Special steel
- ▶ Polyurethane
- ▶ Polyamide
- ▶ Ceramic



#### INTERNAL LINING

- ▶ Stainless steel
- ▶ Special steel
- ▶ Steel+polyurethane
- ▶ Steel+ceramic



#### SEPARATION BLADES

- ▶ Stainless steel
- ▶ Special steel
- ▶ Steel + polyurethane

### CONTACT:

#### NOLL PROCESSING TECHNOLOGY

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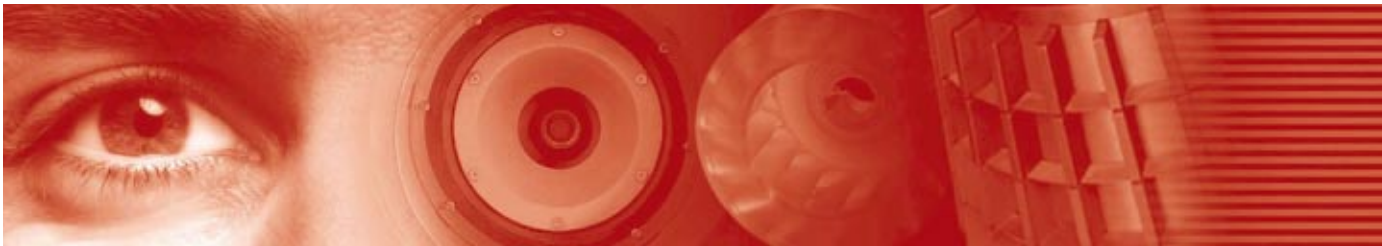
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## SEPARANO®-SE DYNAMIC AIR CLASSIFIERS

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### FIGURES - DATA - FACTS

Separano® -SE SERIES	Separano® SE 2000	Separano® SE 3000	Separano® SE 6000	Separano® SE 9000	Separano® SE 12000	Separano® SE 15000	Separano® SE 18000
TYPE DESIGNATION	2070 / 2090	3120 / 3160	6240 / 6300	9360 / 9420	12480 / 12600	15720 / 15840	18960 / 181080
RANGE OF PERFORMANCE (kg/h)	up to 100	up to 500	up to 1600	up to 4000	up to 8000	up to 12000	up to 18000
Fines output 200 days/3 shifts (MT/year)	480	2400	7680	19200	38400	57600	86400
FEED RANGE (mm)	< 0,5	< 1,0	< 2,0	< 5,0	< 8,0	< 10,0	< 10,0
FINENESS RANGE (D <sub>97</sub> μm)	2 - 60	3 - 80	3 - 100	3 - 120	4 - 140	4 - 160	5 - 180
CLASS. WHEEL SIZE (Ø mm)	70 / 90	120 / 160	240 / 300	360 / 420	480 / 600	720 / 840	960 / 1080
AIR QUANTITY MAX. (m <sup>3</sup> /h)	300	1000	3000	8000	16000	24000	36000
CLASS. WHEEL DRIVE (kW)	1,5	4	6,6	11/15	18,5/22	22/30	30/37
BLOWER DRIVE (kW)	max. 5,5	max. 11	max. 18,5	max. 37	max. 75	max. 132	max. 250
DIMENSIONS (approx. h/w/d m)	0,7×0,4×0,6	1,4×0,5×0,7	2,0×1,2×1,1	2,5×1,7×1,5	3,4×2,3×2,0	4,3×2,9×2,5	5,2×3,5×3,0
MATERIALS IN CONTACT WITH PRODUCT	stainless steel, special steel, ceramics, polyamide, polyurethane						



Carbons - Graphite synthetic (C), D<sub>50</sub> = 6 μm

### APPLICATION EXAMPLES:

inorganic pigments, powder coatings, toner, technical ceramics, magnets, abrasives, graphite, chemical products, foodstuffs, high-purity materials

### OPERATING RANGE

**RANGE OF APPLICATION** abrasive, adhesive, high-purity products as well as materials tending to deposit

**TEMPERATURE RANGE** ± 5 °C to 180 °C

**PRODUCT HARDNESS** up to 10 Mohs

### OFFERED EQUIPMENT

**Separano®-SE** eccentric equipment with classifier door and spiral outlet

**Separano®-E** eccentric equipment without classifier door and spiral outlet, low budget

### CONTACT:

#### NOLL PROCESSING TECHNOLOGY

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