



## NOLL PROCESSING TECHNOLOGY

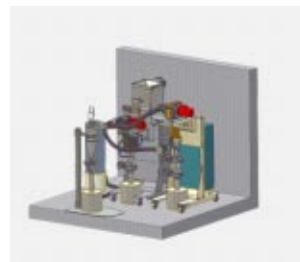
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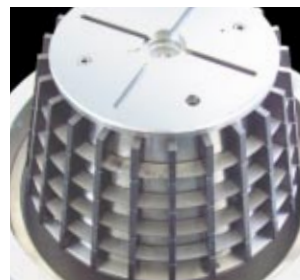
THE COMPANY BUILDING IN BOBINGEN



MULTIFUNCTIONAL  
LABORATORY UNIT



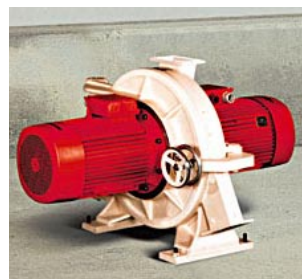
COMPLETE MILLING AND  
CLASSIFYING UNIT



IMPACT JET MILLS



PROFESSIONAL CONSULTING AND SERVICE



DESINTEGRATOR



SYSTEM COMPONENTS

NOLL PROCESSING TECHNOLOGY HAS BEEN A COMPETENT, INNOVATIVE AND HIGHLY DEPENDABLE PARTNER IN TOLL PROCESSING SINCE 1991. WE FOCUS ON THE PLANNING AND CONSTRUCTION OF IMPACT, JET MILL AND CLASSIFIER MACHINERY TO PROCESS ESPECIALLY HARD, ABRASIVE AND STICKY MATERIALS TO THEIR FINEST SIZE.

OVER THE YEARS WE HAVE CONSISTENTLY ADAPTED OUR PRODUCTS AND SERVICES TO THE DEMANDS OF OUR CUSTOMERS.

OUR EXPERTISE IS INDIVIDUAL SOLUTIONS FROM MODERN POWDER PROCESSING TO THE ENGINEERING OF COMPLETE MILLING AND CLASSIFYING UNITS.

### CONTACT:

#### NOLL PROCESSING TECHNOLOGY

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## NOLL PROCESSING TECHNOLOGY

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### EXPERTISE IN POWDER PROCESSING:

Our long experience in the field of powder processing with a wide range of materials has led to the creation of some of the best powder processing machinery worldwide. The synergies between machine construction and powder processing have led to the development of a range of highly modern milling and classifying machinery. Our unique patented range of machinery is today used in industries such as mineral and pigment processing, as well as graphite and technical ceramics processing.



### INDIVIDUAL CONSULTATION AND SOLUTIONS:

From your first enquiry to the complete execution of your orders, competent partners will assist you. We understand the importance of trustworthiness, short delivery times and fast installation. No matter whether you are looking for a laboratory unit, or a production unit, NOLL offers the right solution.



### OUTSOURCED MAINTENANCE AND MANAGEMENT:

We offer full support in the design, re-design, and optimization of existing and new processing equipment. Have your machinery maintained, equipped, and managed by the experts who build them. NOLL offers outsourcing for NOLL and third party machinery throughout Europe. Not satisfied with your classifying performance? Noll design classifier wheels are available for a wide range of machinery.

### SYSTEM TUNING

- ▶ Increase in throughput
- ▶ Saving energy
- ▶ Quality improvement of fineness and top cut
- ▶ Reduced wear and tear
- ▶ Prevention of deposits and product contamination
- ▶ Improved product functionality with additives
- ▶ System automation

### NEW PRODUCT DEVELOPMENT

- ▶ Production of R&D samples
- ▶ Procurement of product knowledge
- ▶ Trial runs
- ▶ Determination of particle size distribution
- ▶ Production manual
- ▶ Measuring technology
- ▶ Automate production systems

### SYSTEM LAYOUT AND SYSTEM SUPPORT

- ▶ Support in system planning
- ▶ Planning and consultation
- ▶ Process re-design
- ▶ Trial supervision
- ▶ System design and technical support
- ▶ Maintenance and service
- ▶ Training programs

BASED ON 25 YEARS OF PRACTICAL EXPERIENCE IN THE FIELD OF MECHANICAL PROCESSING TECHNOLOGY, WE OFFER OUR CUSTOMERS UNIQUE EXPERTISE AND KNOW-HOW.

NOLL WORKS TOGETHER WITH GLOBAL LEADERS AND R&D CENTERS IN THE AREAS OF TECHNICAL CERAMICS, SPECIALTY PIGMENTS, TONERS AND DENTAL MATERIALS. OFFERING CONSULTATION, POWDER PROCESSING AND MACHINERY CONSTRUCTION, NOLL IS YOUR SPECIALIST IN MECHANICAL PROCESSING TECHNOLOGY.

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
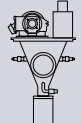


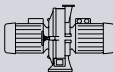
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### POWDER PROCESSING EQUIPMENT RANGE

TYPES		SERIES	DESCRIPTION
OPOSED JET MILLS		MultiNo®-M MultiNo®-M/S	The optimal opposed jet mill for the ultra fine particle size reduction of dry materials with Mohs hardnesses up to 10. Average powder sizes of 2 to 200 µm can be easily reached. The MultiNo®-M is ideally suited for the processing of very pure or temperature-sensitive products.
		MultiNo®-M/S/M	M/S/M means milling, classifying and mixing with just one machine. This innovative opposed jet mill is very easy to clean and maintain. Its main strengths lie in the ultra-fine size reduction of very abrasive and sticky materials.
DYNAMIC AIR CLASSIFIERS		Separano®-SE Separano®-E	The very modern dynamic classifier for high efficiency separations between 2 and 150 µm. It can be used up to Mohs hardness 10. The optimal chamber geometry and special NOLL classifying wheel design ensure sharp particle size distributions for coarse and fine particle removal.
IMPACT JET MILLS		DemiNo®	The modern innovative and patented impact jet mill used for the production of very fine powders and the homogenization of sticky and middle hard materials, up to Mohs hardness 5. The impact elements of the vertical shaft rotor and stator are very easily adaptable to product or process requirements.
DESINTEGRATORS		DESITECH®	The ideal desintegrator for the milling and grinding of soft and middle hard materials with controlled particle size distributions. Besides being applied in the grinding of minerals and ceramics it is specially suited for the normal and cryogenic milling of polymers and rubbers.



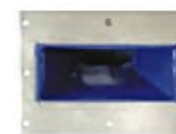
#### PERFECT CONTROL

Our machinery is fitted with the latest Siemens controlling units. This technique allows Intra- and Internet production control and data transfer.



#### DOCUMENTATION

Every NOLL machine is supplied with comprehensible and understandable documentation, both on paper and on CD-Rom.



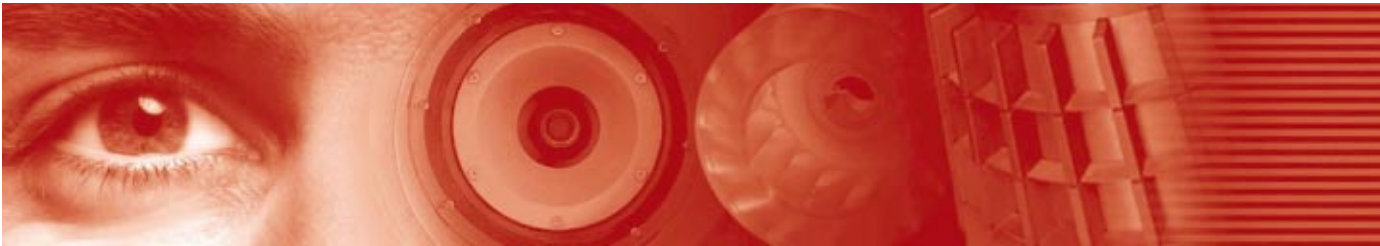
#### METAL-FREE PROCESSING

We have specialized in the metal-free processing of powders and offer our machinery to be lined and equipped with a wide range of materials, such as polyurethane, polyamide, or ceramics.

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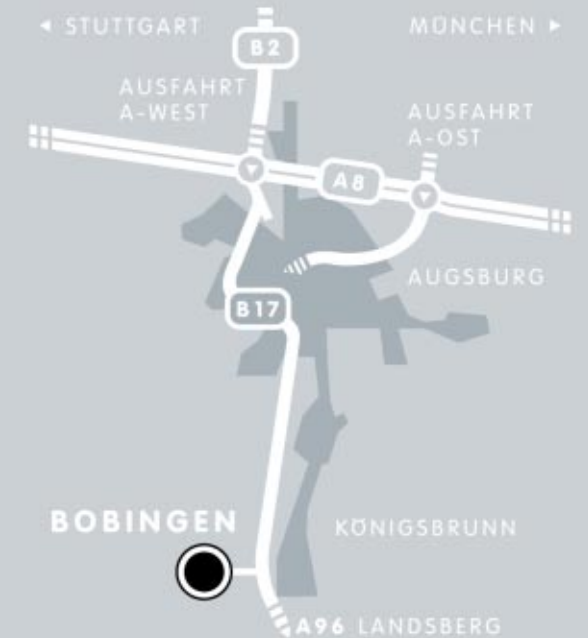


**ACCOMMODATIONS:**

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