

**WE  
PROCESS  
THE  
FUTURE**

**binder+co**



**THE ESSENTIALS.  
MAXIMUM PROFIT  
IN WASTE GLASS PROCESSING**



**WE  
SORT  
IT  
ALL**



**CULLET  
AS A  
VALUABLE  
MATERIAL**





# **CULLET IS A UNIQUE RAW MATERIAL. WE PROCESS IT.**

The use of cullet for the production of new glass is essential for eco-political, economic, energy-saving and resource-saving reasons. The primary requirements for processing plants are maximum quality of the end product and minimum glass loss.

The aim is accurately sorted cullet which is freed from both transparent impurities, such as plastic films, glass ceramics and lead glass, and also from non-transparent contaminants, such as metals, ceramics, stones or porcelain.

Binder+Co is a pioneer in the sorting of cullet. With our CLARITY sorting system, we have revolutionized sensor-based

processing worldwide. It was the first three-way solution for simultaneous sorting by color and impurities.

However, only optimum design of the waste glass processing plant and the right pre-treatment of the cullet have led to the success which Binder+Co achieved in the world of waste glass processing. Our expertise extends from crushing, classification, drying and cleaning to sensor-based sorting. In this way, we ensure an efficient process, first-class quality and a profitable plant.



RELIABLE  
CRUSHING



EFFICIENT  
SCREENING



WET  
PROCESSING



THERMAL  
PROCESSING



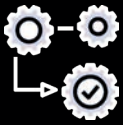
SENSOR-BASED  
SORTING



BAGGING  
PALLETIZING

# WE SORT IT ALL

Our activities focus on your requirements. Our knowledge of the interplay between the individual processing steps, from crushing, screening, drying and cleaning to sensor-based sorting, gives us the opportunity to create excellent, customized solutions for you, giving you the crucial economic and technical advantage.



## PROCESS RELIABILITY

Production downtimes cost time and money, so you need to ensure that your plant runs reliably around the clock. The individual machines have to be coordinated so that sensor-based sorting produces maximum cullet quality and brings you the required yield. We cover the essential process steps in waste glass processing with our range of machines and can therefore guarantee a high degree of reliability for the individual components.



## OUTSTANDING QUALITY

Only high cullet quality results in high profit and ensures the cost-efficient operation of a waste glass processing plant. The glass producing industry frequently demands almost 100% purity of the cullet. With CLARITY and the necessary pre-treatment of the input material, we assure that you obtain a high-class product: without impurities, sorted by color and ready for the furnace. Quality control at the end of cullet processing ensures the desired end product quality.

**5**  
**ESSENTIAL**  
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**WASTE**

# THE 5 SUCCESS FACTORS FOR WASTE GLASS PROCESSING



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**MAXIMUM**  
**CESS**  
**CESSING**  
**GLASS**

**OCCUPATIONAL HEALTH AND SAFETY**



Glass production involves working with molten glass which means extremely high temperatures. It is therefore particularly important that the cullet used in glass production no longer contains any hazardous impurities such as glass ceramics.

**HIGH PROFITABILITY**



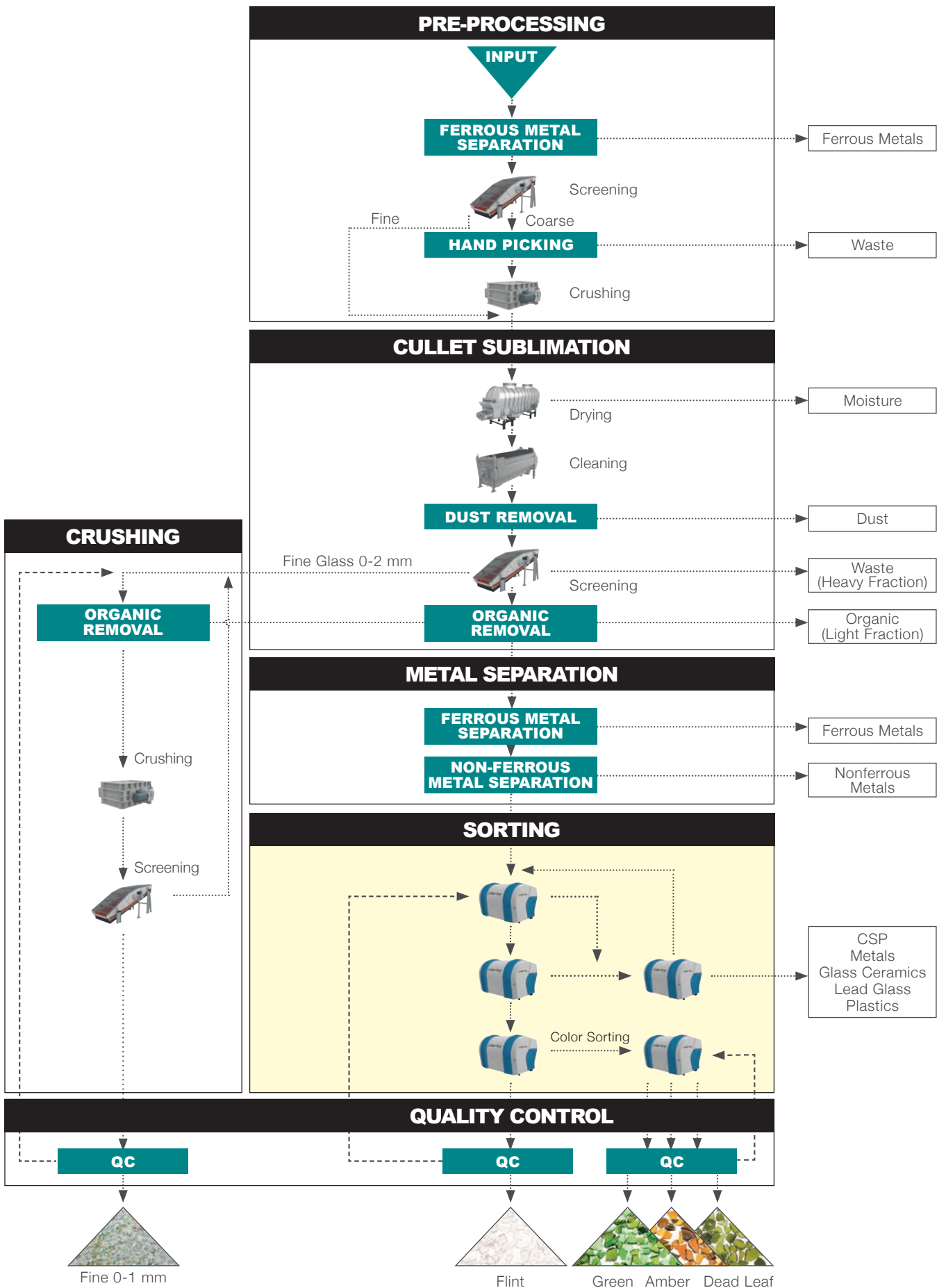
A processing plant not only has to run with as little trouble and maintenance as possible, it also has to stay cost-efficient while operating. Our machines are coordinated so that energy consumption remains low and the plant delivers the desired performance in the required quality.

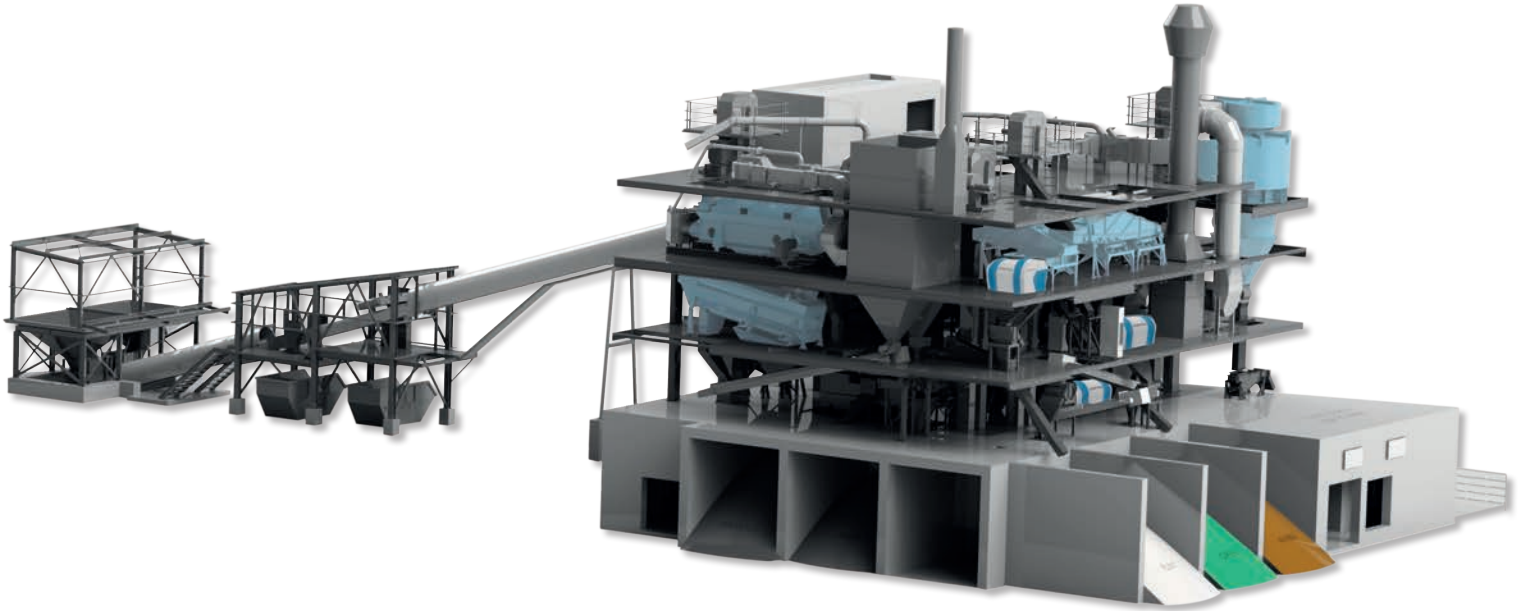
**ECOLOGICAL CONSCIENCE**



We want to leave our children a planet worth living on. In everything we do, we aim to utilize waste as efficiently as possible, thus reducing waste volumes and at the same time conserving natural resources. But we also strive to ensure that our processing plants provide the longest possible, energy-saving operation.

# PROCESS MAP CONTAINER GLASS PROCESSING





## **THE WORLD'S LEADING PLANT COMPETENCE IN CULLET PROCESSING**

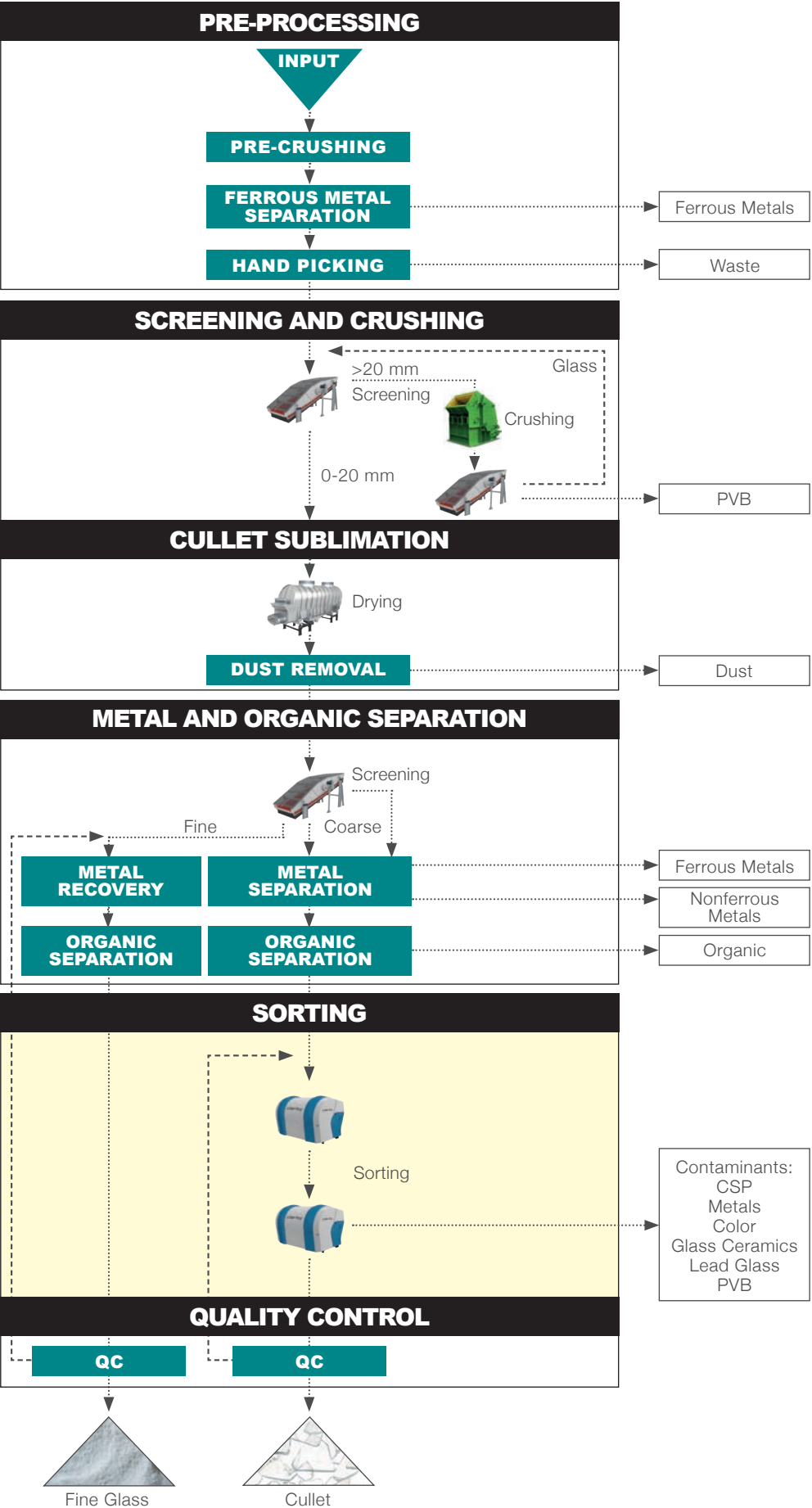
With our diversified product portfolio, we offer our customers optimum processing of their cullet, particularly in terms of the overall concept and turn-key plants. We provide support from the very start: from design, production, installation and commissioning of the plant to ongoing service.

Binder+Co's complete plants for waste glass processing ensure top cullet quality in North and South America, Europe, Africa, Asia and Australia.





# PROCESS MAP FLAT GLASS PROCESSING





## CULLET PROCESSING WITH BINDER+CO

We always have a sympathetic ear for our customers. Only by doing this we can identify the emerging needs of the market and respond with innovative solutions.

The first three-way system for separating contaminants with simultaneous sorting by color and contaminants was developed based on our customers' needs, as was the system for separating glass-like impurities such as glass ceramics or lead glass.

The latest generation of CLARITY can sort glass from 1 mm in size and free it from all types of impurities, such as metals,

ceramics, stones, porcelain, glass ceramics, lead glass and plastics, in one step.

The Binder+Co Group's range of machines covers the essential process steps in the processing of cullet from crushing, screening, drying and cleaning to sensor-based sorting. As a result, we can offer you customized solutions for turning waste into valuable glass.





**binder+co**


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