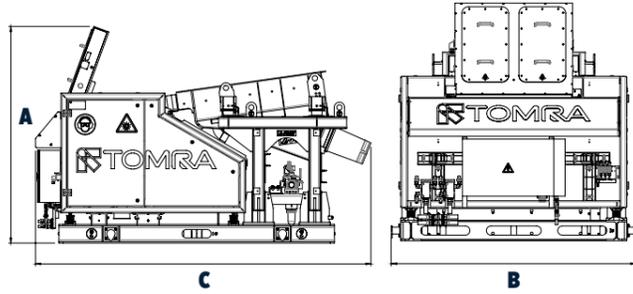


## INSTALLATION EXAMPLE

### PRO Tertiary COLOR



PRO Tertiary COLOR	
<b>A</b>	2,100 mm
<b>B</b>	2,150 mm
<b>C</b>	3,350 mm

## PRODUCT SPECIFICATIONS

	PRO Tertiary COLOR (DRY)	PRO Tertiary COLOR (WET)
Size Range	2-32 mm	6 – 32 mm
Feed Rate	8 to 30 t/h	20 to 30 t/h
Size Ratio	1:2 (2-4 mm), 1:3 (> 4 mm)	1:3
Operational width	1,200 mm	1,200 mm
Sensors	2x Line scan camera	2x Line scan camera
Number of Ejectors	304	304
Nozzle Pitch	4 mm	4 mm
Electric Power	3 phase, approx. 6 kVA	3 phase, approx. 6 kVA
Weight (approx.)	3,350 kg	3,350 kg

The capacity, performance and dimension data are indicative and may change without prior notice. Exact numbers on request.

## PRODUCT RANGE

### PRO SERIES (Chute based)

Size range from 2 mm to 250 mm is covered by three models which can be equipped with COLOR, Near-Infrared (NIR), LASER and Electromagnetic (EM) technology or a combination thereof.

### COM SERIES (Belt based)

High capacity sorting on a belt feeding system is key for this product series. Different models and widths are available which can be equipped with X-Ray Transmission (XRT), Electromagnetic (EM), COLOR and/or Near-Infrared (NIR) technology.

## APPLICATIONS

### COLOR

White Fillers, e.g. Talc, Calcite, Marble // Cement Minerals, e.g. Limestone, Gypsum // Industrial Minerals, e.g. Quartz, Magnesite, Fluorspar, Rock salt

### NIR

White Fillers, e.g. Talc, Calcite, Marble // Cement Minerals, e.g. Limestone // Industrial Minerals, e.g. Magnesite, Lithium, Borate // Diamonds, e.g. Kimberlite

### LASER

Industrial Minerals, e.g. Quartz, Lithium, Fluorspar // Precious metals, e.g. Gold

### XRT

Diamonds // Industrial Minerals, e.g. Phosphate, Limestone // Base metals, e.g. Tungsten, Tin, Lead, Zinc // Precious metals, e.g. Gold // Ferrous metals, e.g. Iron Ore

### EM

Slag, e.g. Stainless steel, Base metal, Ferro silica, Ferro chrome, Silica // Base metals, e.g. Massive Nickel sulphides // Ferrous metals, e.g. Manganese

 TOMRA

# PRO Tertiary COLOR



 TOMRA

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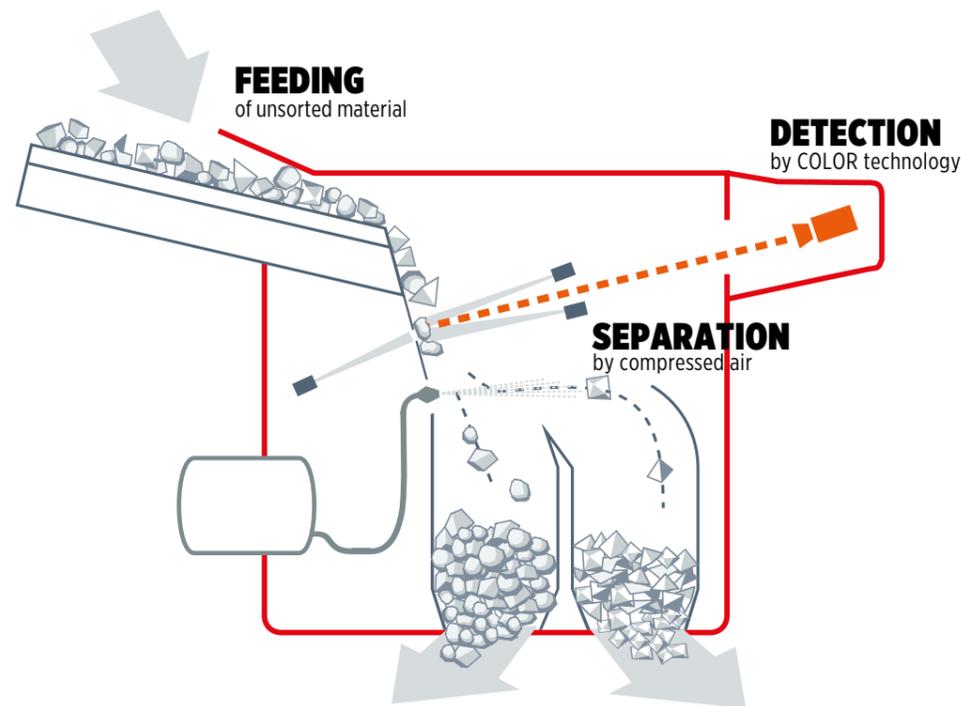
# PRO Tertiary

The Industrial Processing (PRO) Series sorting equipment is designed for the typical minerals processing environment. The heavy duty and compact design based on the freefall principle is efficient and reliable. The particle size range from 2 mm to 32 mm is covered by the PRO Tertiary which can be equipped with COLOR or LASER technology.

## TECHNOLOGY

### COLOR

The COLOR identification technology consists of line scan cameras with high resolution and cutting-edge color selectivity. Multiple material characteristics like size, shape, brightness and color distribution are processed at the same time. The illumination unit consists of state-of-the-art, liquid-cooled LED technology, enabling repeatable and highly efficient sorting results.



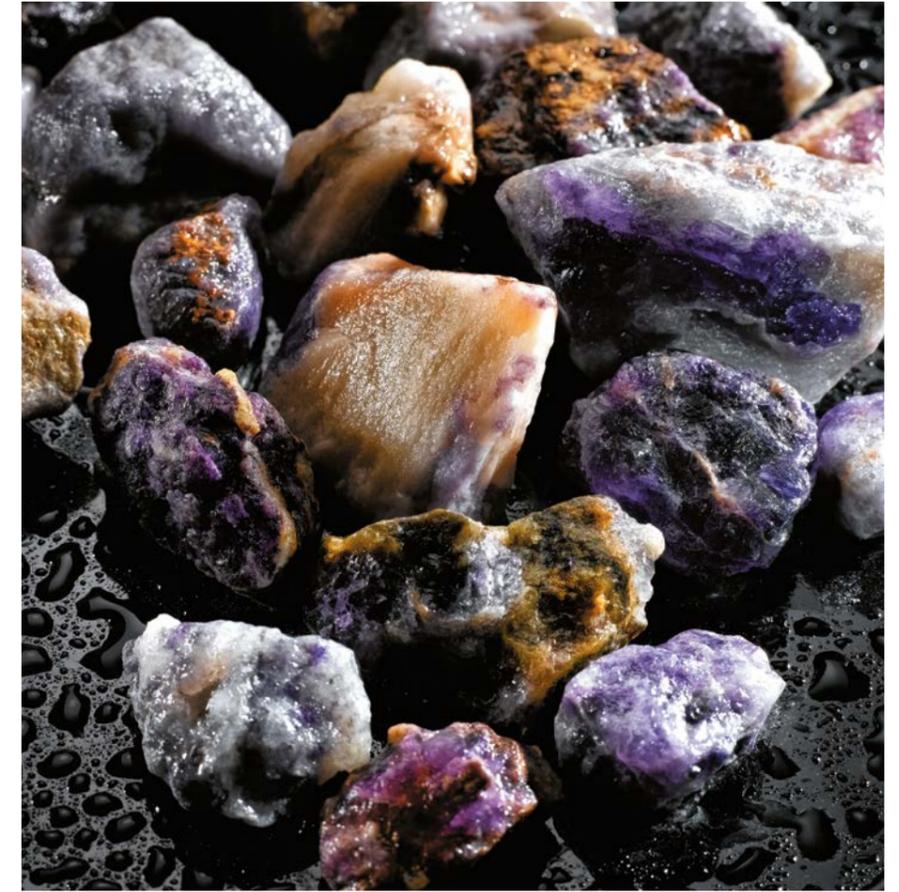
## STANDARD APPLICATIONS

### WHITE FILLER

(e.g. TALC, CALCITE, MARBLE)  
Premium product quality production //  
COLOR

### INDUSTRIAL MINERALS

(e.g. QUARTZ, MAGNESITE, ROCK SALT,  
FLUORSPAR)  
Premium product quality production //  
Waste rock rejection // COLOR



TOMRA Sorting Solutions offers a variety of configurations for different tasks and conditions. You are welcome to check your individual material in one of our test centers. **E-mail: [mining-sorting@tomra.com](mailto:mining-sorting@tomra.com)**

## BENEFITS



Increase  
**Productivity**



**Pre-concentration** to reduce total  
operational and capital expenditures



**Recovery** of valuables from  
sub-economic deposits/dumps



Obtain a final  
**salable product**



**Grade control** through  
adjustable sensitivity



Physical separation process,  
no **reagents** needed