



BoMill InSight™ Single

Precision sorting for lower-capacity and specialty applications.



UP TO
2 t/h
SORTING CAPACITY

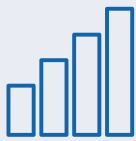
2
FRACTIONS

Compact precision sorting

BoMill InSight™ Single is a compact solution for lower-capacity requirements, pilot installations and specialty applications. It enables precise kernel-by-kernel sorting in smaller batches, with the flexibility to increase capacity as needs grow.



What it enables



Optimize quality

Make better use of the quality already present in each batch.



Recover value

Recover usable grain from out-of-specification batches.



Meet specifications

Separate grain to target defined requirements and achieve more consistent fractions.

Designed for



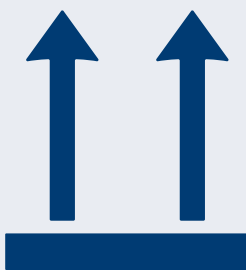
Pilot testing



Specialty grain



Farmers



Scale capacity up to 30 t/h using the same sorting unit

THE TECHNOLOGY BEHIND BOMILL INSIGHT™

Single-kernel analysis

NIR in transmittance mode

Real-time sorting

www.bomill.com

BoMill InSight™ Single

Technical specifications

Key data for integration and installation.

PROCESS

Type of grain	Barley, wheat
Pre-cleaning	Pre-cleaned, max. 9 mm sieve aperture
Sorting basis	Protein content
Fractions	2
Sorting capacity	Approx. 2 t/h
Detector	NIR in transmittance mode

OPERATING REQUIREMENTS

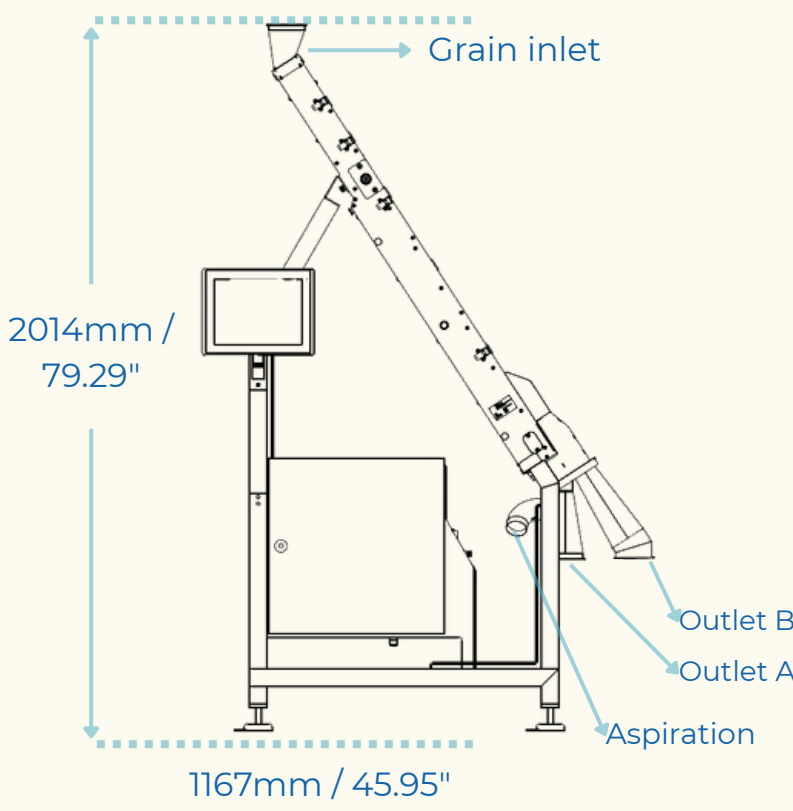
Operating environment	Non-condensing environment; designed for installation in ATEX Zone 22
Operating temperature	5–35 °C 41–95 °F
Power supply	Single phase 47–63 Hz 90–264 V AC
Power consumption	0.50 kW
Internet connection	Required for remote access only
SCADA connection	Available

AIR & ASPIRATION

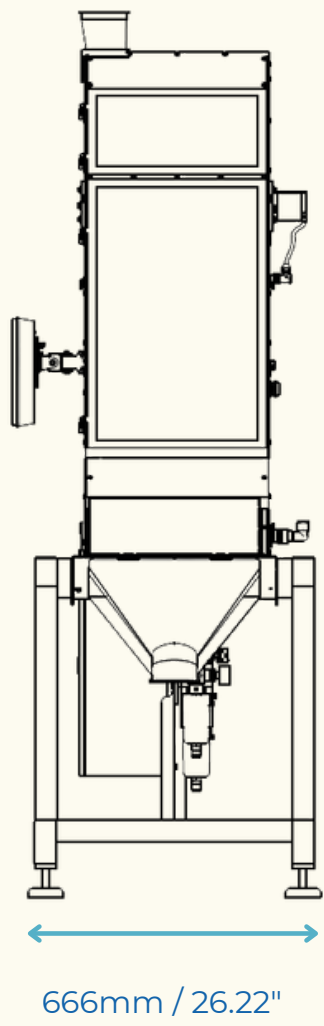
Required air quality	ISO 8573-1:2010
Air pressure	Min. 4 bar 58 psi
Compressed air consumption*	137–683 L/min at 10–50% ejection rate
Aspiration	1.25 m³/min 45 CFM

DIMENSIONS

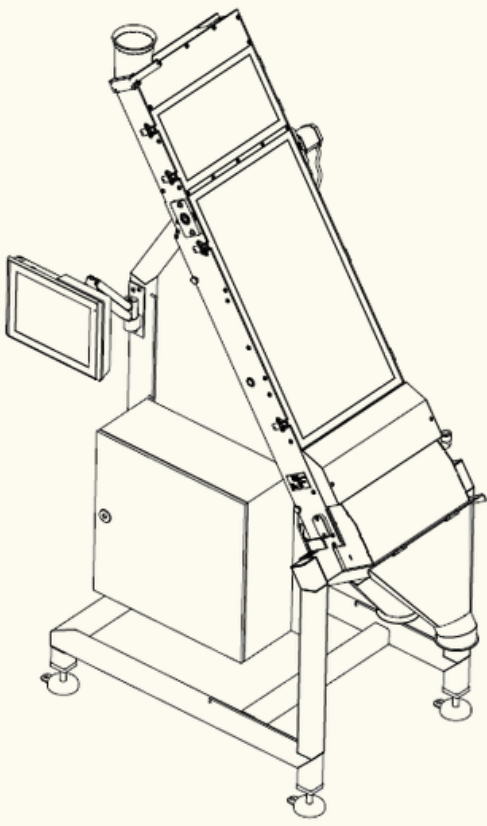
Side view



Front view



Isometric view



Required service area: 1m / 39.37" around the equipment



Pre-cleaning required



1 m service area around the equipment



Customer-specific leg configuration

*Compressed air consumption depends on ejection rate. Values shown correspond to 10–50% ejection rate.

Disclaimer: We reserve the right to make changes without prior notice. While every effort has been made to ensure all information contained in this document is accurate, BoMill assumes no liability for any errors, inaccuracies or omissions that may occur.

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