



TOMRA 3C OPTICAL SORTER

**Interested in a free demonstration
with your own product or require more
information?**

Please contact us directly.

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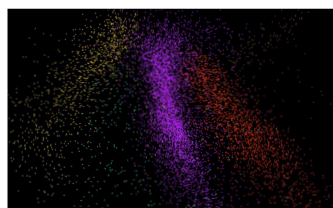
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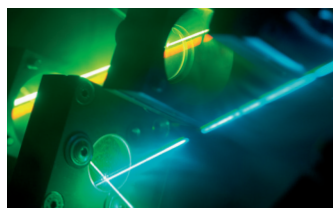
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Laser and NIR technology is introduced to the market of conventional sorting with the TOMRA 3C. Addressing your daily challenges in seeds, grains, beans, pulses and nuts sorting, the sorter's optimal and reliable performance ensures your products meet the highest standard for food safety and quality. Every element is designed to increase the machine's ease of use, leading the way in user experience.



SUPERIOR MATERIAL CHARACTERISTICS DETECTION
Multi-spectral NIR technology



SUPERIOR GLASS AND FOREIGN MATERIAL REMOVAL
Dual laser induced scattering



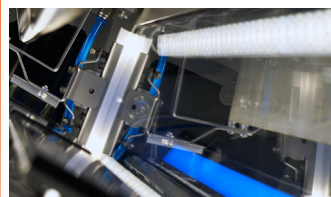
REMOVING SUBTLEST COLOR AND SHAPE DEFECTS
Double-sided RGB cameras combined with high intensity, focused LED lighting



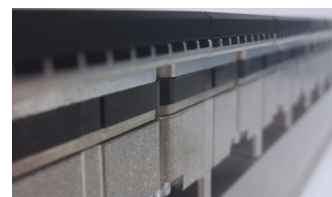
OPTIMAL EFFICIENCY AND INTUITIVE TUNING
Application specific tuning parameters with award-winning GUI, TOMRA ACT



MINIMIZED DOWNTIME
Remote and on-screen alerts



OPTIMAL PERFORMANCE GUARANTEED
Intelligent auto cleaning



LOW FALSE REJECTION
High speed valve with direct nozzle connection

WORKING PRINCIPLE

The produce falls from the hopper onto the shaker pan, spreading evenly on the infeed chute. Dual laser, NIR and double-sided cameras inspect the produce on both sides. A few milliseconds later, the intelligent ejection system rejects all defects. The good product continues its way via the accept chute, while the defects are diverted via the reject chute.

DIMENSIONS AND SPECIFICATIONS*

Model	Dimensions			Utilities		
	Width	Length	Height	Power	Air	
				3-phase	1-phase	
TOMRA 3C 1000	1751 mm	1831 mm	2144 mm	2.2 kVA	3.3 kVA	<160 m³/h
TOMRA 3C 1500	2279 mm	1831 mm	2144 mm	3.5 kVA	5.0 kVA	<240 m³/h
TOMRA 3C 2000	2843 mm	1831 mm	2144 mm	4.8 kVA	5.1 kVA	<320 m³/h

*Width of machine in front of chutes