

FORMIS

# MASTERING QUALITY WITH AI



AN **ATS** COMPANY



**SPIRYT** is a next-generation optical sorter designed for 360-degree quality control of potatoes, powered by advanced artificial intelligence (Deep Learning).

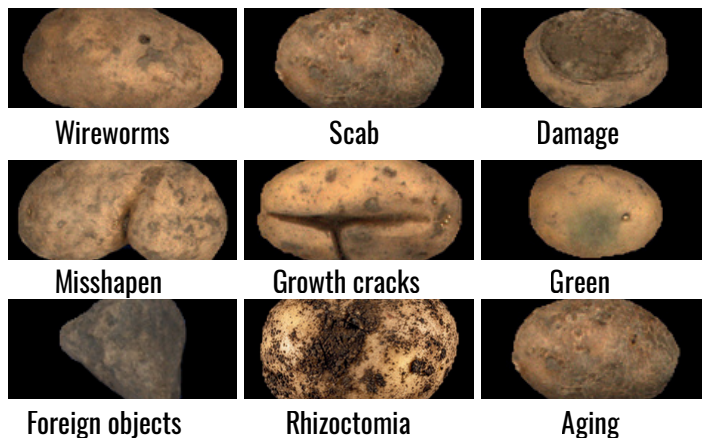
Thanks to the rotating roller belt (spin belt), each potato is gently rotated while a system of matrix cameras captures detailed images of its entire surface. This allows the software to analyze every single product with extreme accuracy, significantly improving final quality and completely replacing manual sorting.

Based on a self-learning principle, **SPIRYT** easily adapts to different potato varieties and quality standards. Its compact design and seamless integration with other machines make it ideal for installation within automated processing lines, contributing to efficient and continuous production.

The system is capable of creating a real-time “identity profile” of each potato by analyzing it from every angle. This makes it possible to detect even the smallest defects, such as bruises, sprouts, blemishes, or surface-visible internal issues.

The key advantage of artificial intelligence lies in its ability to evolve: through continuous image acquisition, the machine improves over time, adapting to production needs and ensuring increasingly higher quality standards.

## TYPICAL DEFECTS & CONTAMINATIONS



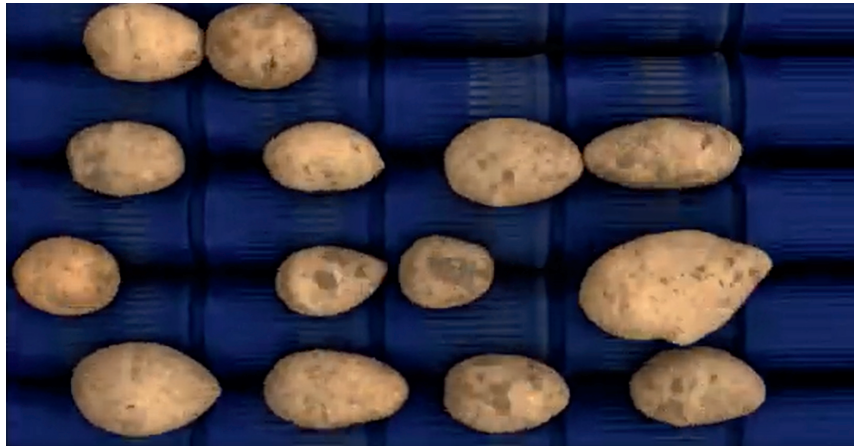
**360°  
INSPECTION**

**ONE-TO-ONE  
ANALYSIS**

**ONGOING  
SELF-LEARNING**

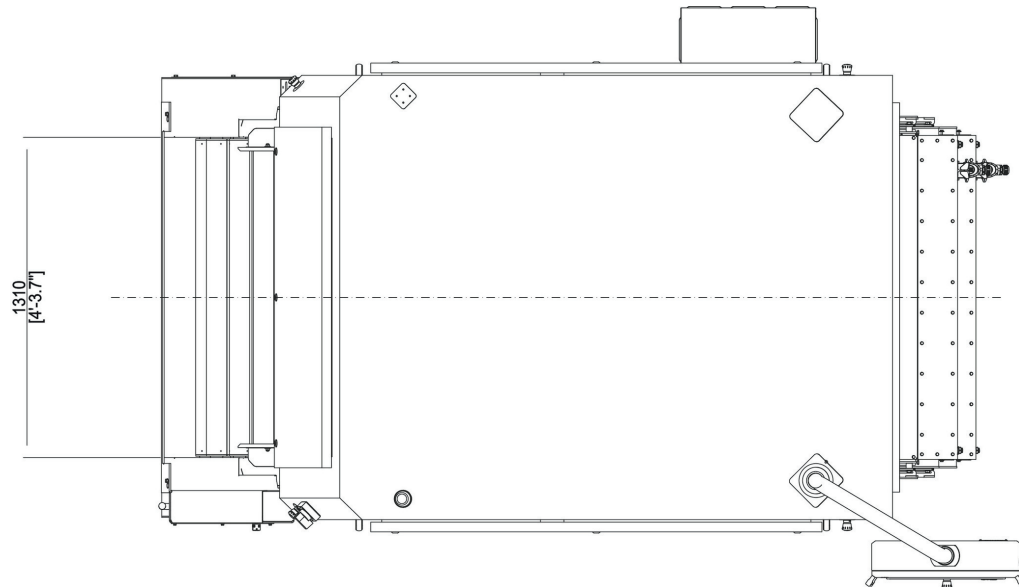
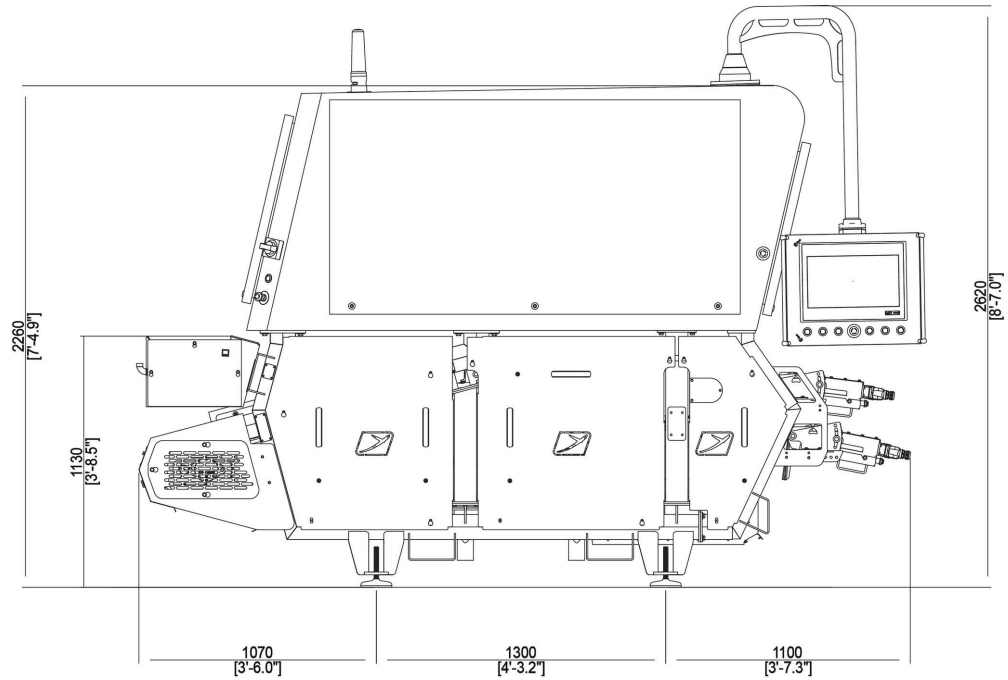


## FROM "MASSIVE" TO "ONE-TO-ONE" VISION FOR UNPRECEDENTED EFFICIENCY



### Technical data

MODEL	SY-1200
Conveyor Width [mm]	1200
Ejection Ways [#]	Single or double ejector
Cameras Number [#]	6
Capacity (ton/h)	18-20 ton/h on 60mm potatoes
Roller Rated Speed [m/min]	50 m/min
Objects Size (110x60 mm)	80 obj/s - 288.000 obj/h
Dimensions – WxLxH [mm]	2350x3450x2650
Weight	2000 kg



Ver 01|2026