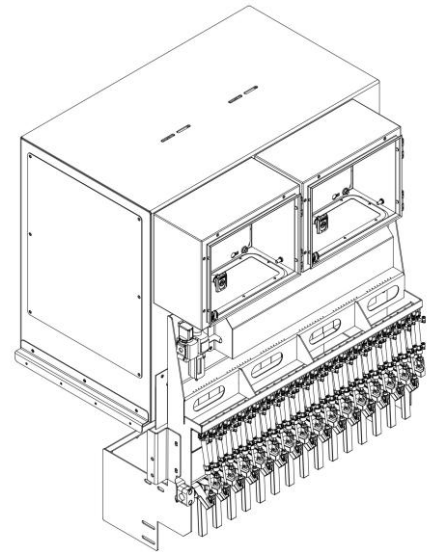


AI Potato Grading made by Karevo

Karevo introduces state-of-the-art German-engineered technology to farms with its sorting system: an AI-supported solution developed specifically for family farms and direct marketers. The system reliably detects visible quality issues on unwashed potatoes sorts them with precision while minimising handling stress.

Thanks to proven image processing and artificial intelligence, the compact system delivers high sorting accuracy at processing speeds of up to 5 tons per hour.



Highlights

- **Designed specifically for family farms and direct marketers**
- **Higher detection accuracy than manual sorting**
- **Reliable performance with unwashed potatoes**
- **Compact design for easy integration**
- **Minimises mechanical stress for reliable product quality**
- **Adaptable to different potato varieties**
- **Engineered in Germany for precision, reliability and lasting quality**

Product Details

Technical Performance

- Real-time comprehensive quality analysis
- Adaptable to different potato varieties and operating conditions
- Reliable detection of foreign objects
- Intuitive and easy to use interface
- Statistical reporting of defect detection

Economic Benefits

- Saves labor time and reduces wage costs
- Increases flexibility during peak workload periods
- Simplifies workforce planning
- Maintains consistently high sorting quality over extended operating periods

Detection Technology

The sorting system uses AI-powered image processing with advanced neural network models. This enabled the detection of defects even on unwashed potatoes.

The AI-model was trained on over 100.000 images of various potato varieties. Continuous updates with new data keep the system improving and adapting new potato varieties, conditions and requirements.



Wet Rot



Mechanical Damage



Greening



Wireworm



Growth Crack



Rot

FEATURE	SPECIFICATION
SORTING CAPACITY	Up to 5 tons per hour
DETECTION ACCURACY	≈ 90%
DEFECT DETECTION	Green spots, rot, mechanical damage, wireworm holes, growth cracks
ADDITIONAL DETECTION FUNCTIONS	Size sorting, shape recognition, foreign object detection (stones, clumps)
APPLICATION	Unwashed potatoes
SORTING MECHANISM	Pneumatic fingers
INSTALLATION	Available with sorting table or as retrofit solution