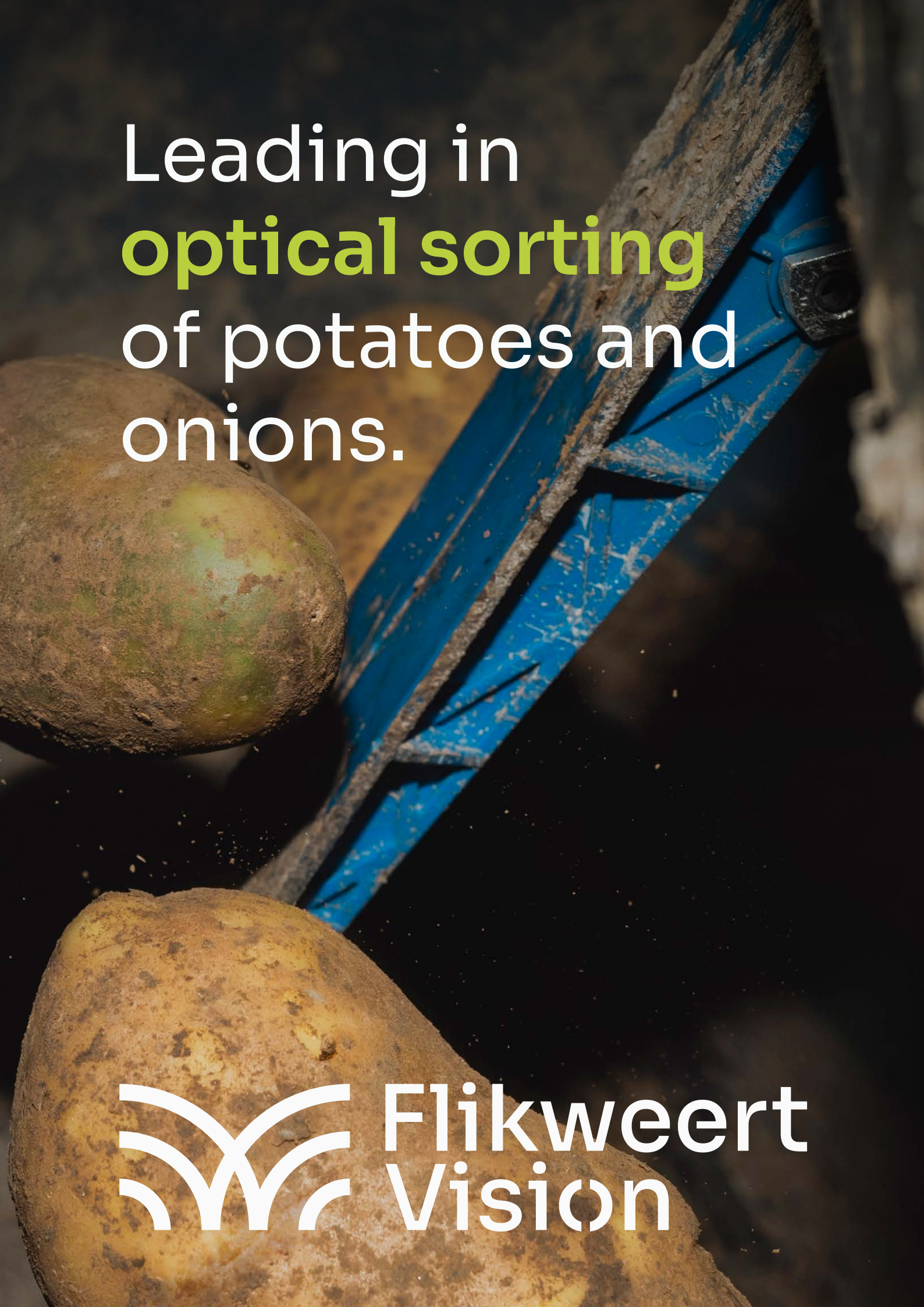

Leading in
optical sorting
of potatoes and
onions.
Flikweert
Vision

How efficient is your sorting process?

By combining AI and vision technology in practical solutions, our sorting machines are the key to taking your process to the next level in efficiency.

Sales
sales@flikweertvision.nl
+31 (0) 111 21 90 00

Service & support
service@flikweertvision.nl
+31 (0) 111 23 00 02

Built from practice, for practice

Flikweert Vision was founded on the farmyard, shaped by years of hands-on experience in agriculture. We saw firsthand how manual quality sorting is often time-consuming, imprecise and frustrating, and how technology can sometimes feel disconnected from the people who use it. That is why we set out to build a sorting machine that truly works in practice: reliable, user-friendly and developed from the real needs of growers and processors. Because only when technology truly fits the field, the sector can move forward.

Flikweert Vision

Flikweert Vision develops optical sorting machines for potatoes and onions. Using smart technology and practical innovation, we help growers and processors automate and future-proof their sorting process.

Our systems assess each product in milliseconds using advanced cameras and artificial intelligence. The machines are fully designed, built and tested in-house. They are compact, robust and easy to integrate into both new and existing sorting lines.

Because we come from the field ourselves, we understand what really matters: reliability, precision and ease of use. This is not just theory. It is a solution that works, every day, for growers and processors around the world.

From start-up to global player

Founding of Flikweert Vision

2019

2020
Prototype completed

First operational QualityGrader

2021

2022
Development of the Divider

Now sorting not only potatoes, but also onions

2023

2024
Moved to a new, modern facility

Over 300 machines delivered

2025

2026
New location

Our core values

Reliability

We do everything we can to be a reliable partner for everyone who works with Flikweert Vision, from colleagues to customers and suppliers.

Joy in work

We believe that joy in work is the driving force behind innovation and quality. With energy, humour and pride, we build a workplace where people can grow.

Drive

Each day, we bring enthusiasm and dedication to make a real difference. With commitment and craftsmanship, we create solutions that deliver meaningful results.

Collaboration

Strong relationships are the foundation of everything we do. By building together, we achieve lasting success.

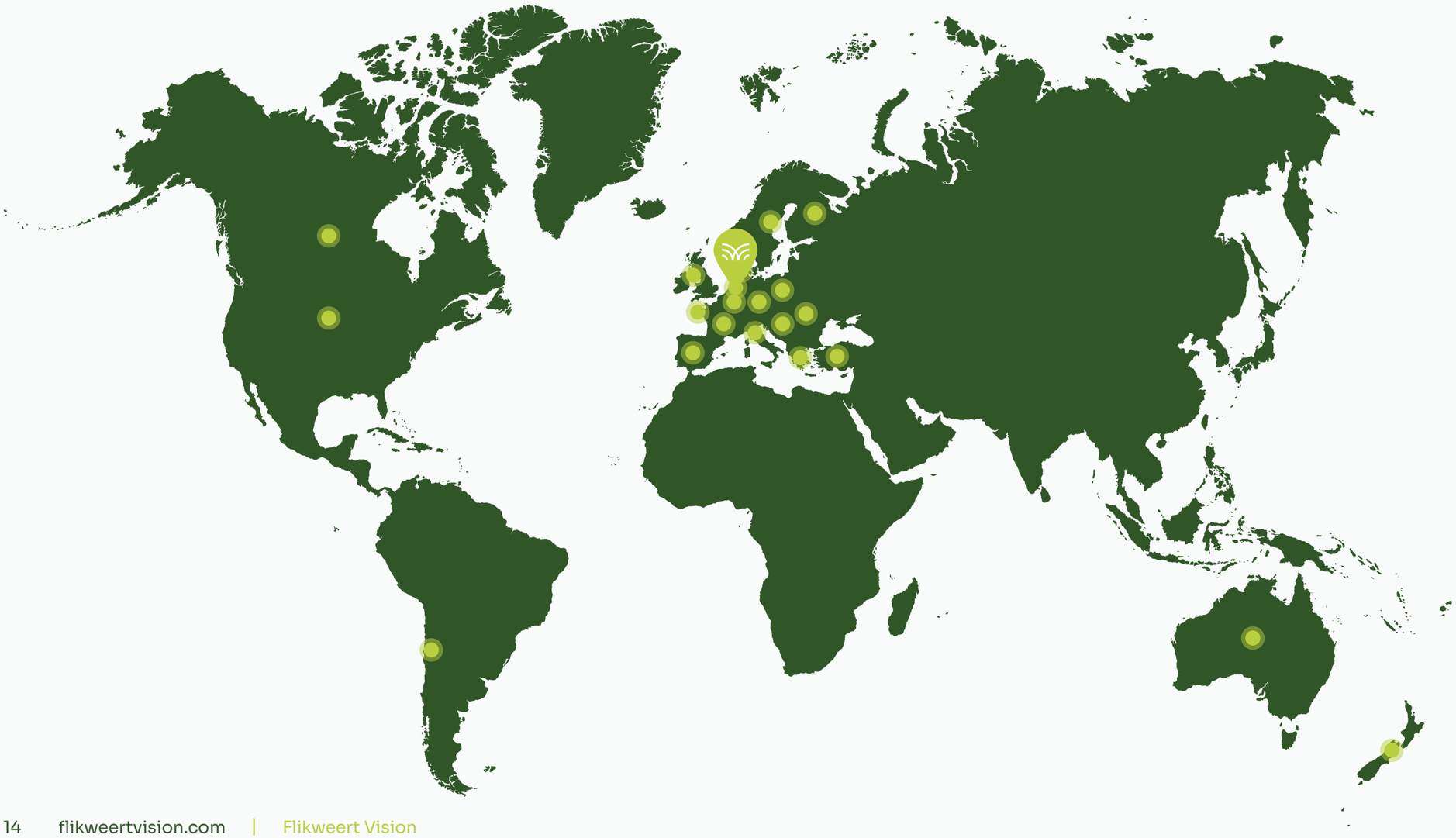
Nowadays

60+	colleagues
20+	countries
300+	machines
250+	clients

Globally active

Flikweert Vision has grown into a trusted partner in the international agri-food sector. Our sorting machines are now operating in more than 20 countries, from Europe to North America and Australia. Growers, processors and leading trading companies choose our technology for its unique combination of precision, simplicity and reliability.

With a sharp focus on regional needs, we continue to build toward a global standard in optical sorting for potatoes and onions. We work closely with a growing network of specialised dealers who provide local support through expert advice, installation, training and service.



Behind the vision

Thijs van der Torren

Sales Oost-Europa

Thijs (33) has an agricultural background and studied Horticulture, Arable Farming and Agricultural Business Management. This combination allows him to bring together technical knowledge and practical experience. Thanks to this mix, he speaks the language of the farmer and understands the challenges of the sector like no one else.

More than two years ago, Thijs made the switch to Flikweert Vision. What began as a mix of sales and technical drawing quickly grew into a versatile sales role. Today, he is responsible for sales in Germany and Eastern Europe, supporting companies with proven, smart solutions.

Optical Sorting

The key to consistency, efficiency and quality. Manual quality sorting is labour-intensive, hard to plan, and rarely truly consistent. There is always something that slips through. And with skilled labour becoming harder to find, the process is only becoming more vulnerable.

Optical sorting offers the solution. With a smart combination of cameras and AI, deviations are detected instantly and objectively. The sorting process becomes fully automated, with consistent capacity and minimal dependence on personnel.

It brings peace of mind, improves efficiency, and eliminates discussions about quality. Choosing optical sorting means choosing control, efficiency and continuity. Not two years from now, but today.

“It brings peace of mind to our company and ensures more consistent quality in a compact setup.”

Wiskerke Onions

- QualityGrader, Divider

Read more

At Wiskerke Onions, reliability is everything. As a major player in onion exports, every shipment must meet strict quality standards. To make this process more efficient, predictable, and future-proof, JWK invested in multiple Dividers and QualityGraders from Flikweert Vision.

Automation with impact

Where dozens of employees were once needed for inspection and manual sorting, the line now runs largely autonomously. Unwanted elements are removed automatically, and quality sorting is more consistent than ever. The result? A calmer process and a reduction of 25 workers. The biggest win: consistent quality, faster throughput, and less dependence on scarce labour. Even during peak moments, the line continues to run reliably.

Ready for tomorrow?

The machines were seamlessly integrated into the existing line, without major modifications. JWK sees the investment as a logical step towards a future where automation and quality go hand in hand. A decision that is already proving its value every day.

QualityGrader

- Potatoes
- Onions

Quality sorting is becoming the standard. The QualityGrader goes one step further. Designed for growers and processors who demand maximum precision and reliability in every batch. This advanced sorting machine combines intelligent camera technology and AI with a mechanically refined design.

Thanks to our agricultural roots, focus on perfection, and vast amount of real-world data, the QualityGraders are powered by AI models that rank among the best in the industry. Specifically developed for potatoes and onions, the machine detects even the smallest defects in a consistent, objective, and incredibly fast way. With a capacity of up to 20 tons per hour and a compact industrial design, the QualityGrader is ideal for those who want to combine the highest quality standards with scalability and continuity.

Fully specialized

Developed exclusively for potatoes and onions. Not a generic system, but one that fits seamlessly into the daily operations of growers and processors.

Smart data

AI powered by real-world data from more than 300 sorting machines worldwide, ensuring optimal precision and consistent performance.

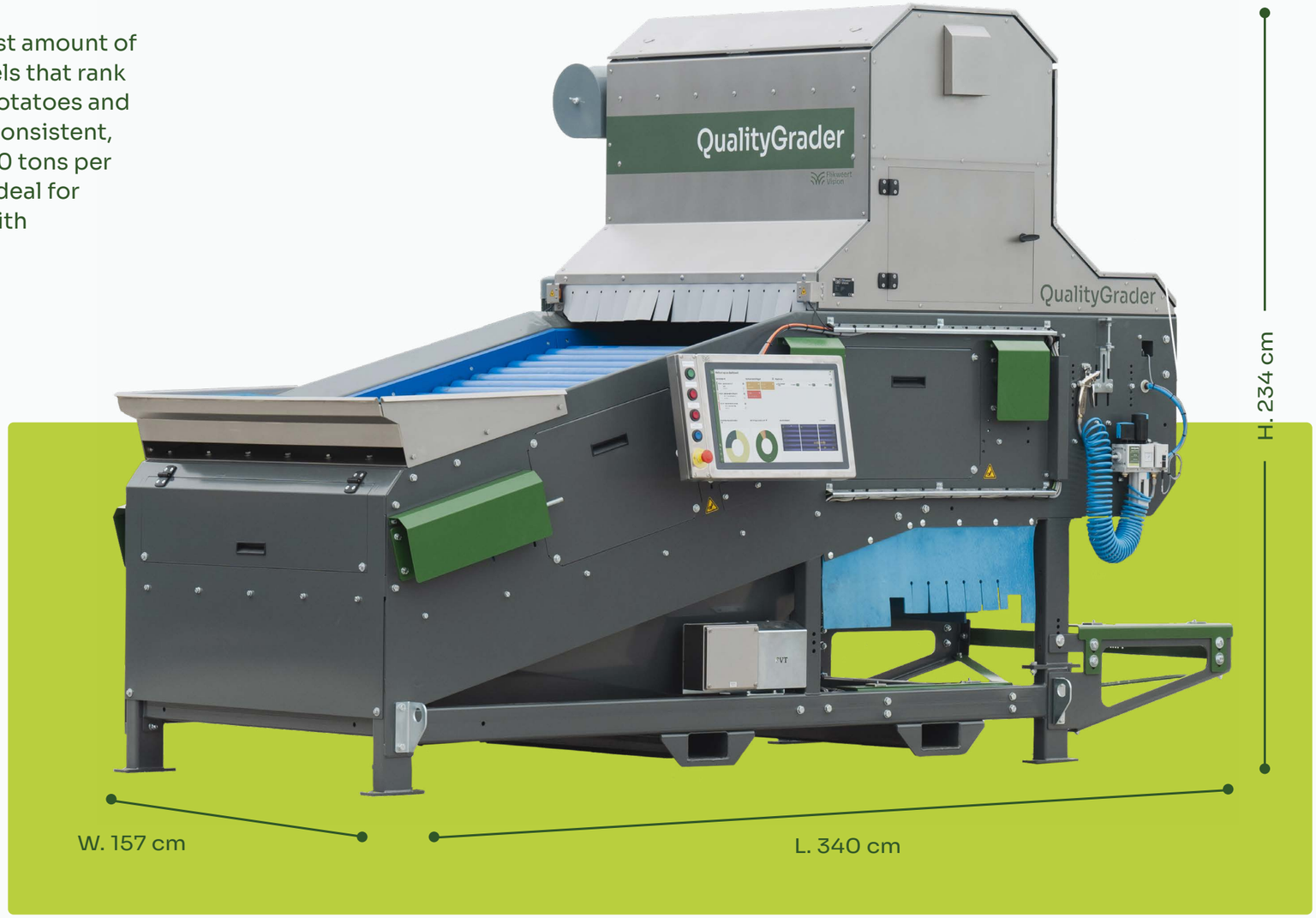
Compact design

The most compact machine in its class. Integrates easily into almost any line without major adjustments.

Built from practice

Developed by people with agricultural roots, for users who know what really matters.

“For those who refuse to settle for average.”



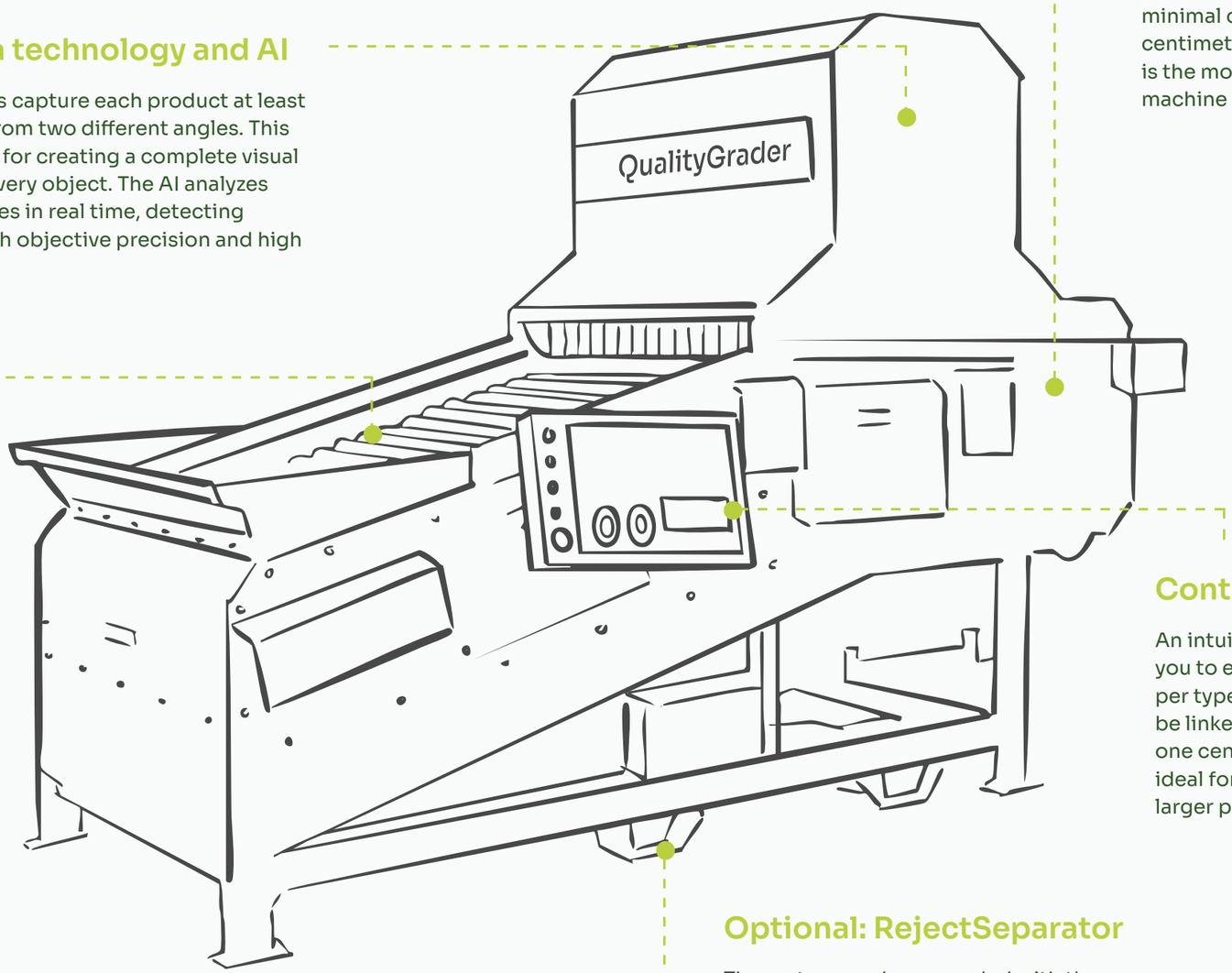
The QualityGrader in action

Camera technology and AI

Six cameras capture each product at least ten times from two different angles. This is essential for creating a complete visual profile of every object. The AI analyzes these images in real time, detecting defects with objective precision and high accuracy.

Automated speeds

The roller belt presents each product correctly to the cameras. Its speed and the rotation of the product are automatically adjusted based on the type and flow of produce. This ensures optimal sorting accuracy regardless of size or supply variations.



Ejector paddles

Rejected products are automatically removed using a precise ejection motion. With a minimal drop height of only 35 centimeters, the QualityGrader is the most product-friendly machine in its class.

Control screen

An intuitive touchscreen allows you to easily set defect tolerances per type. Multiple machines can be linked and controlled from one central or individual screen, ideal for efficient management of larger processing lines.

Optional: RejectSeparator

The system can be expanded with the RejectSeparator, a module that separates stones and clods from rejected product. This creates a three-way separation that is flexible in use, without compromising the gentle handling of the QualityGrader. Multiple QualityGraders can be connected to a single RejectSeparator.

See how the QualityGrader works

Leading in optical sorting of potatoes and onions

Sounds familiar? These defects are part of our daily reality.

A batch with just a few too many wireworms. A bruise that ends up in the bag. Or a soft onion that slips through at exactly the wrong moment. Fortunately, there is another way. With automated quality control, a consistent standard becomes realistically achievable.

The QualityGrader detects visual defects at high speed and with full objectivity, currently recognizing a wide range of irregularities. Not seeing the defect you are struggling with? No problem. Thanks to ongoing development and data from over 300 installations worldwide, expansion is always within reach.

Potatoes


Miss shapen


Light/dark green


Damage


Growth crack


Rotten


Scab


Aging


Wireworm


Foreign objects

Onions


Damage


Bald


Aging


Thick neck


Rotten


Fusarium


Shoot


Softness


Foreign objects

Automation and sustainability of the agri-food sector through practical, innovative solutions.

Divider

- Potatoes
- Onions

Impurities in a product flow pose a risk to any sorting line. Clods, stones, and other foreign objects can disrupt sorting, cause damage, or even bring the entire line to a halt. The Divider prevents that. This intelligent sorting machine automatically removes foreign materials and extreme product defects at the very start of the process, with high capacity and precision. Its robust build, compact design, and availability in various widths make it the perfect addition to any modern sorting line as a reliable first step toward stability and continuity.

Divider sorting criteria:

Foreign materials

Extreme product defects

Guaranteed line protection

Removes stones, clods, and other foreign objects before they cause damage. Less downtime, more peace of mind.

Fully specialized

Developed specifically for potatoes and onions. Not a generic system, but a smart sorting solution that excels in simplicity and effectiveness.

Built from practice

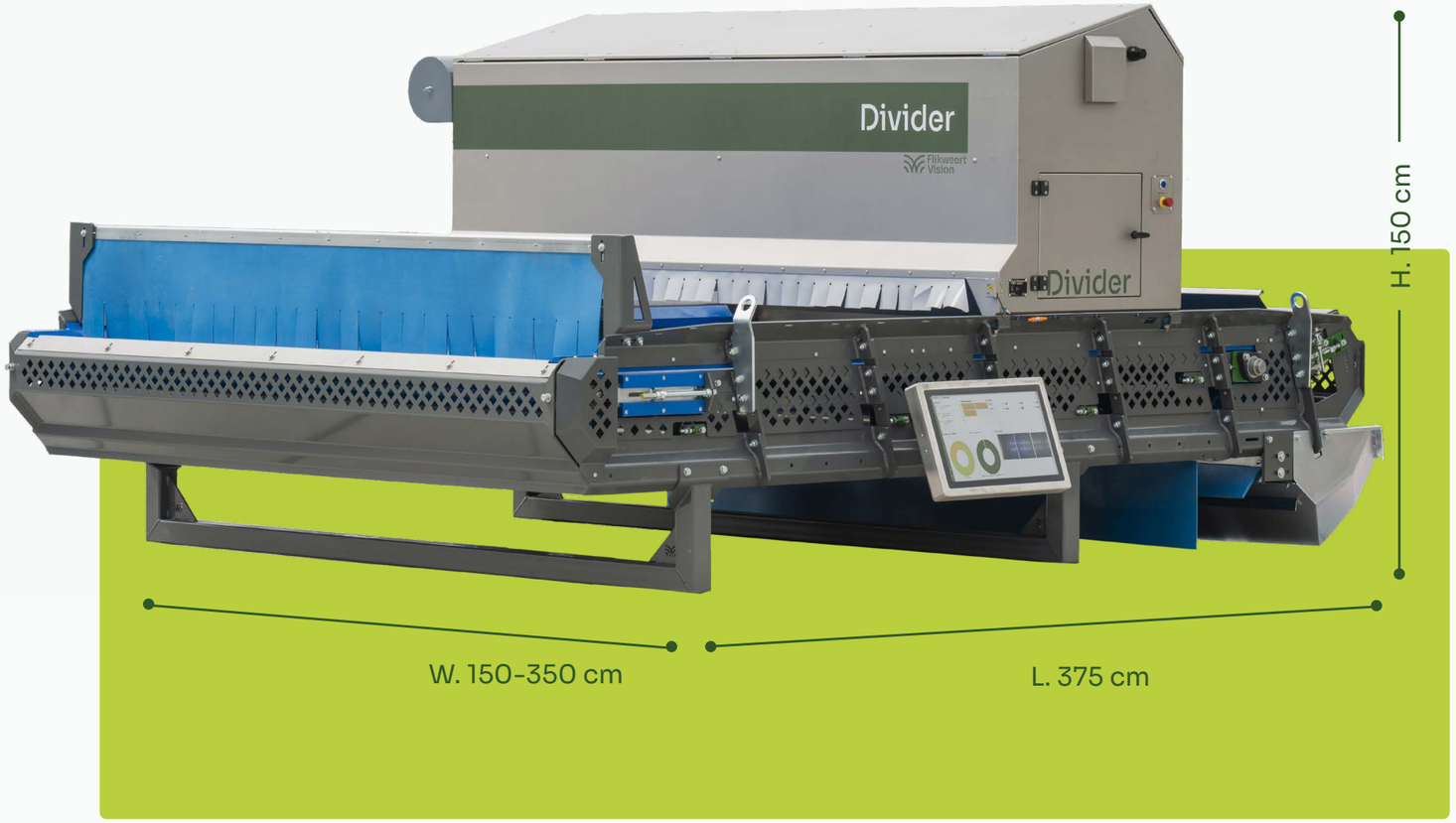
Created by people with agricultural roots. Robust, low maintenance, and ready for daily use in intensive processing environments, with minimal user input.

Smart data

AI-driven and powered by real-world data from hundreds of sorting lines worldwide. Ensures automatic and accurate detection of foreign materials and extreme product defects.

Gentle on products

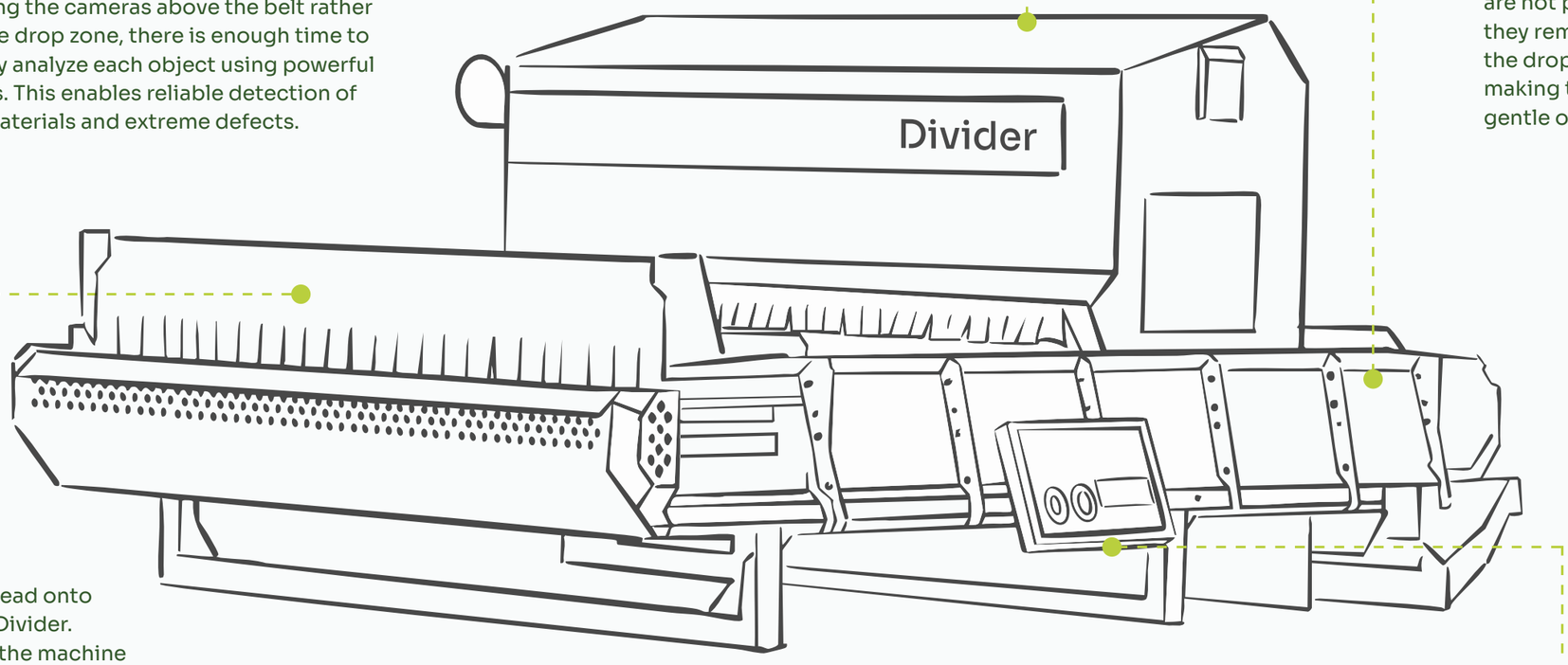
With a drop height of just 35 cm, this is the most product-friendly optical sorting machine in its class.



The Divider in action

Camera technology and AI

Industrial cameras capture each object while it is stationary on the conveyor belt. By positioning the cameras above the belt rather than in the drop zone, there is enough time to accurately analyze each object using powerful AI models. This enables reliable detection of foreign materials and extreme defects.



Infeed

Field products are evenly spread onto the flat conveyor belt of the Divider. Available in multiple widths, the machine can always be configured to match the required capacity and setup.

Width (m)	1	1.5	2	2.5	3
Metric ton/hour	40	60	80	100	120

Ejector spoons and drop height

Based on AI evaluation and intelligent software, each object is individually sorted in the most suitable way. Since the cameras are not placed in the drop zone, they remain clean. This also limits the drop height to just 35 cm, making the Divider exceptionally gentle on products.

Industrial construction

The open-frame design is built for intensive use and easy cleaning. Smartly constructed to allow quick replacement of the belt if damaged. Robust, low maintenance, food-safe and available in stainless steel.

Control screen

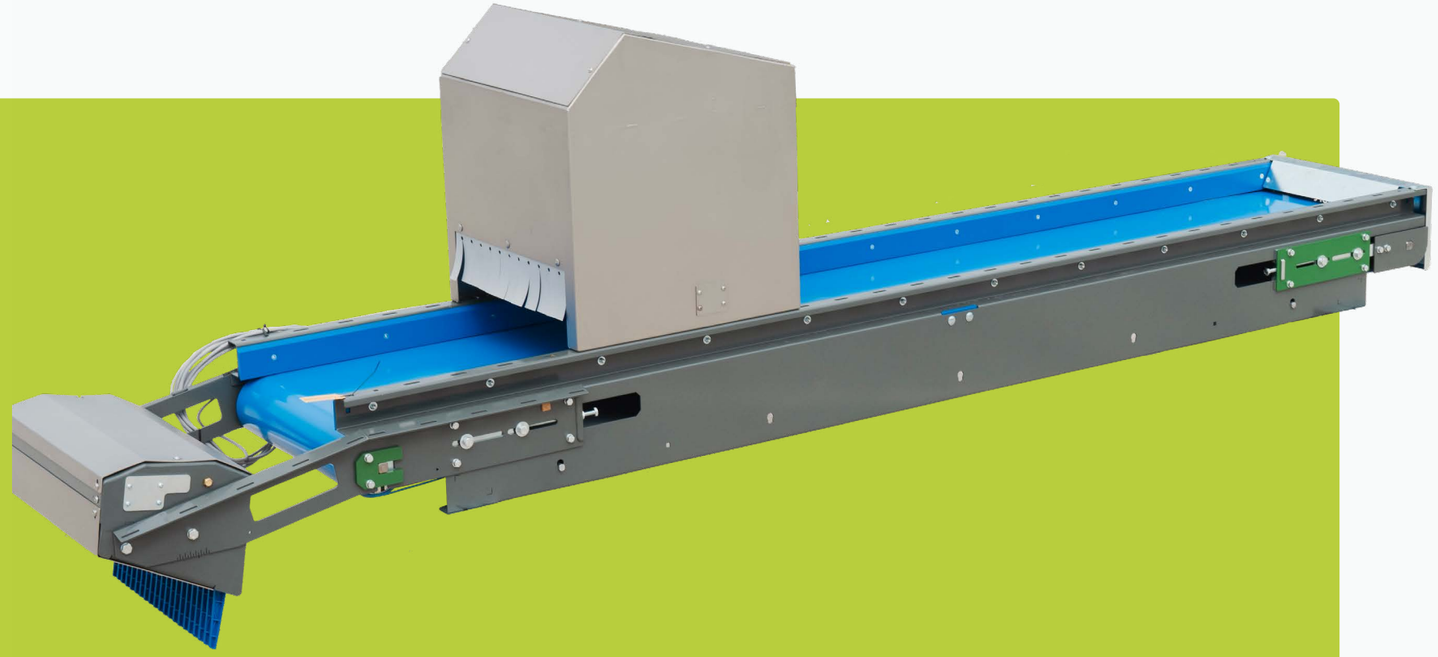
The intuitive interface makes operation easy. Because the Divider independently detects extreme defects and foreign materials, very little user input is required. This ensures minimal effort and maximum efficiency.

RejectSeparator

The RejectSeparator is a compact machine that does exactly what it is built for: removing stones and clods from a rejected product stream. Nothing more, nothing less. It can be used as a standalone unit or as an addition to one or more QualityGraders. An industrial camera analyses each object on the belt and AI determines whether it is a foreign material or a rejected potato or onion. Based on this, the ejector spoons sort accordingly.

The result: a cleaner waste stream without stones or clods. Ideal for further processing or for use as animal feed. The RejectSeparator is plug and play, low maintenance and easy to integrate into any by-product flow.

“Simple. Efficient. Plug and Play.”



H. 234 cm
W. 93 cm
L. ≥ 375 cm

Plug-and-Play

Compact, standalone and easy to integrate. Fits seamlessly into almost any waste stream without complex installation.

Smart detection

An industrial camera and AI automatically detect clods, stones and other foreign materials. Fast, objective and highly accurate.

Reliable

A smartly designed machine that runs smoothly with minimal oversight. Clean cameras, low wear and maximum uptime, exactly as it should be.

Flexible use

Can be connected to one or multiple QualityGraders or used independently in other waste streams. Ideal for extra cleaning and value recovery from the reject flow.

Control screen

Full control

All our optical sorting machines are equipped with an advanced control screen that offers full command of the sorting process and straightforward operation. A clear main screen allows easy navigation between sorting settings, machine parameters and real time data.

Practice-oriented software

The software behind the screen is fully developed in house and tailored to the daily reality of growers and processors. It is user friendly, fast and scalable for future upgrades.

One system, multiple machines

The control screen makes it possible to connect multiple machines and operate them from one clear and centralised system. Machines can be managed either centrally or individually, depending on your specific setup. This offers maximum flexibility in sorting lines with multiple machines: one screen in one location or several screens in different places, exactly what your process needs.

Remote support

Our specialists can access your system remotely and perform software updates, ensuring you always have the latest features and fast support when needed.

“The Divider and QualityGrader complement each other perfectly.”

Wellhill Farm

- QualityGrader, Divider

Read more

Wellhill Farm, located on the Moray coast of Scotland, has been run by the Taylor family since 1926. Brothers Owen and Duncan, together with their mother Ilene, grow sixteen varieties of seed potatoes on heavy, wet clay soil filled with stones. These challenging conditions make sorting seed potatoes time-consuming, error-prone, and highly dependent on manual labour.

Despite earlier steps toward automation, key bottlenecks remained. Difficult lots still had to be double sorted, and a shortage of staff hindered efficiency. That’s when the Taylors began looking for a structural solution.

A complete setup

During a visit to the Netherlands, Owen Taylor was convinced by the machines from Flikweert Vision. The combination of the Divider and the QualityGrader offered exactly what they needed. The Divider removes clods, stones, and foreign objects right at the beginning of the line, after which the QualityGrader sorts accurately based on external defects such as scab, damage, and deformities. The results speak for themselves.

The next step in innovation

Pre-sorting capacity tripled, sorting quality improved significantly, and the need for manual labour dropped drastically. “These machines allow us to work faster, smarter, and more consistently,” says Owen Taylor. “Flikweert Vision has proven to be a reliable partner in progress.”

Seamless integration into any sorting line

Compact and plug-and-play

Our machines are compact and immediately deployable, making them ideal for both new setups and the optimisation of existing lines.

Collaborative approach

Together with our trusted partners, we develop customised solutions that are ready for the future.Using 3D scanning, an experienced Sales Engineering team and an international partner network, we ensure efficient and tailored implementation anywhere in the world.

Practical and future-focused

We actively think along with you and apply our knowledge and experience to translate complex challenges into concrete and effective solutions.

“The QualityGrader was installed within days and worked flawlessly from the start.”

Family Holthausen

- QualityGrader

Read more

Arable farm in its fourth generation

The Holthausen family runs an arable farm in Nettetal, Germany, cultivating 150 hectares of potatoes and 150 hectares of onions. The farm has been in the family for several generations and was continued by Heinz Holthausen. Today, his son Falk represents the fourth generation at the helm. While livestock was once part of the farm, the focus is now fully on arable farming. In addition to potatoes, the family also grows red and yellow onions and shallots. Of the potato crop, 95 percent is for consumption and 5 percent for industry.

Fast installation and clear communication

Sorting used to be done mostly by hand. Due to the lack of available labor, it was no longer possible to maintain consistent capacity and quality. That led Falk to invest in the QualityGrader. He got in touch with the machine through Flikweert Vision’s representative in Germany. The clear explanation and especially the fast and easy communication gave him confidence.

Falk expected installation to take about a week and a half, but in reality the machine was up and running in three days: the inspection station was removed on Wednesday, delivery followed on Thursday, and by Friday the line was operating again. Since then, sorting has become faster, more consistent, and more transparent. Falk: “The machine is easy to operate and gives us certainty in quality. And thanks to the good communication with Flikweert Vision, we know we are not on our own.”

“Built on practical experience. Refined through data.”

Practice is our starting point. By continuously collecting data from over 20 countries, we keep improving our AI models. Every new installation contributes to even greater sorting accuracy for growers and processors around the world.

“The Divider is exactly the missing link we needed.”

MSP Onions

- Divider

MSP Onions in Nieuwdorp has long been a leading name in onion processing. With a capacity of 1,000 tons per day, reliability is essential. The state-of-the-art line of the Moerdijk family business runs on the latest technology, but one crucial link was missing: a presorter that removes clods and stones without rejecting good onions.

The Solution: the Divider from Flikweert Vision

Since the summer of 2023, MSP has been running Dividers from Flikweert Vision. These machines remove clods, stones, wood and other unwanted materials early in the process. By combining vision technology with AI, the Divider operates quickly and reliably, even with rough field batches. With a throughput of 80 tons per hour, it keeps the line free of disruptions and integrates seamlessly into the rest of the processing line.

Built for the future

“We immediately noticed we needed a different setting for larger items like branches,” says Lijn Moerdijk. “Flikweert Vision responded right away and adjusted the software. That kind of easy contact and quick response makes working together a real pleasure.” Since the arrival of the Dividers, the line runs more steadily, requires less manual intervention, and maintains consistent quality from early morning to late at night.

Read more

Why choose Flikweert Vision?

The specialist

One hundred percent focused on optical sorting of potatoes and onions. Not a generic solution, but a specialist system fully tailored to your operation.

Rooted in the sector

We come from agriculture and speak the language of the industry. That background keeps us sharp, practical and result-driven.

Service as standard

Every machine comes with a software service package. Direct communication, reliable support and continuous software updates ensure long-term value.

Leading in technology

Our AI models are developed in-house and powered by data from hundreds of installations. They deliver more accurate quality assessments than ever before.

Solution-Oriented

From complex challenge to practical execution, we think along, move fast and provide solutions that deliver immediate results.

Built for practice

Industrial quality, easy to use and designed to run under all conditions. Reliable, robust and low-maintenance.

“The QualityGraders simply bring peace of mind to the company, making us less dependent on manpower.”

Leen Meijer
Ooltgensplaat, NL

flikweertvision.com