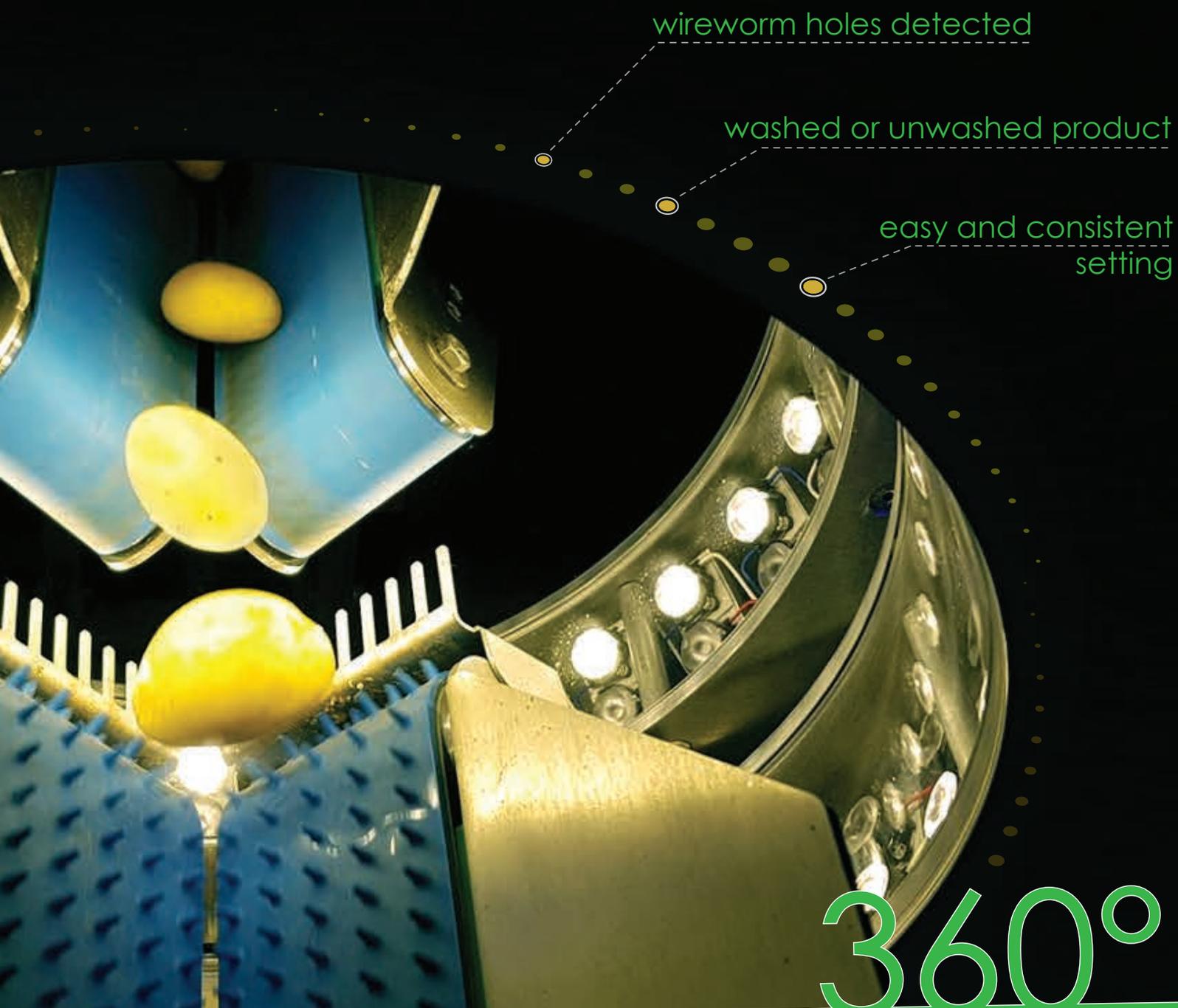




And it works!
www.visar-sorting.com

SORTOP POTATOES

High-performance optical sorter



wireworm holes detected

washed or unwashed product

easy and consistent setting

360°

3 quality levels

6 outlets

1 perfect picture at

Stunning performance thanks to the unrivalled power of Visar Sorting's sorting software. 20 mm square mesh grading; calibration by the weight of each tuber with a 5% accuracy; three quality levels plus waste.

"The ability to size, sort and grade like a human with the **speed** and **accuracy** of a machine."



Thanks to the mirror system and powerful circular lighting, each tuber undergoes a thorough **all-round analysis**. A 360° vision of the potatoes is the only way to guarantee the highest sorting quality and grading precision, whatever the shape of the product.



A nozzle system blows the potatoes towards the various outlets allocated with great precision. The potatoes fall on soft materials, which ensure a **smooth landing**. The casing is equipped with washable soundproof panels and large doors, which make it easier to clean.



An ingenious system arranges the potatoes one after the other smoothly and at high speed. The software **optimises the sorting rate** automatically. A surge hopper installed above the aligner absorbs any variation in the feed stream.



Two three-way conveyor belts for receiving and distributing the six grades. **Custom length** according to requirements.



Electric controls enclosed in a sealed cabinet. Control computer with factory-set sorting software **ready for production**. Waterproof and washable monitor, keyboard, and mouse. Assembly on the left- or right-hand side of the machine.



Software allows for **3 quality** and waste levels easily adjustable with overprinting of detected defects (3 sides of 120°, visualization screen).



One of the strengths of the software is the sorting severity setting. The principle relies on artificial intelligence to assess the quality, shape, and appearance of each potato.



This is the only system that replicates human judgement whilst adding consistency. This setting allows the stable fine-tuning of the sorting severity. This way, you can easily select 3 quality levels in addition to the waste.

Outlet settings

Outlet No	Max width (mm)		Length (mm)		Weight (gr)		Quality		
	min	max	min	max	min	max	Cat. II	Cat. I	Extra
1	25	35	0	400	0	999	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	25	200	0	400	0	999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	55	200	0	400	0	999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	35	45	0	400	0	999	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	45	55	0	400	0	999	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	0	70	0	400	0	999	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	0	70	0	400	0	999	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Last product: Max width: 30.0 mm, Length: 54 mm, Weight: 27 gr. Air pressure: 6.7 bars. Waste outlet: 0

Quality analysis

- Color score severity: Color score: 31%
- Dark defect maximum area: Dark defect area: 2.19 mm²
- Greening maximum area: Greening area: 0.00 mm²
- Shape score severity: Shape score: 32%

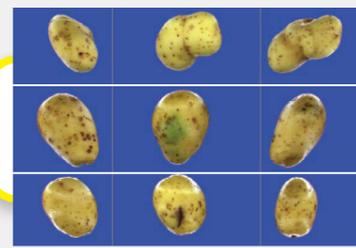
Statistical analysis

- Color score distribution: 77%, 3%, 14%, 6%
- Dark defect area distribution: 78%, 6%, 5%, 11%
- Greening area distribution: 83%, 1%, 7%, 9%
- Shape score distribution: 66%, 8%, 22%, 4%
- Width (mm) distribution: 2%, 7%, 10%, 19%, 22%, 17%, 14%, 7%, 2%
- Weight (gr) distribution: 0-24, 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-999
- Outlet distribution: 18%, 12%, 16%, 6%, 25%, 23%

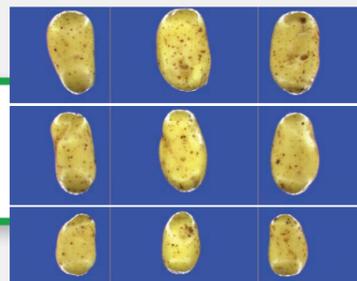
Q1 High-end product with high added value



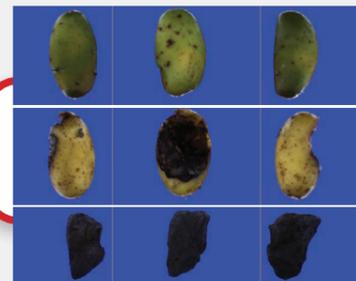
Q3 Product suitable for processing or animal feed



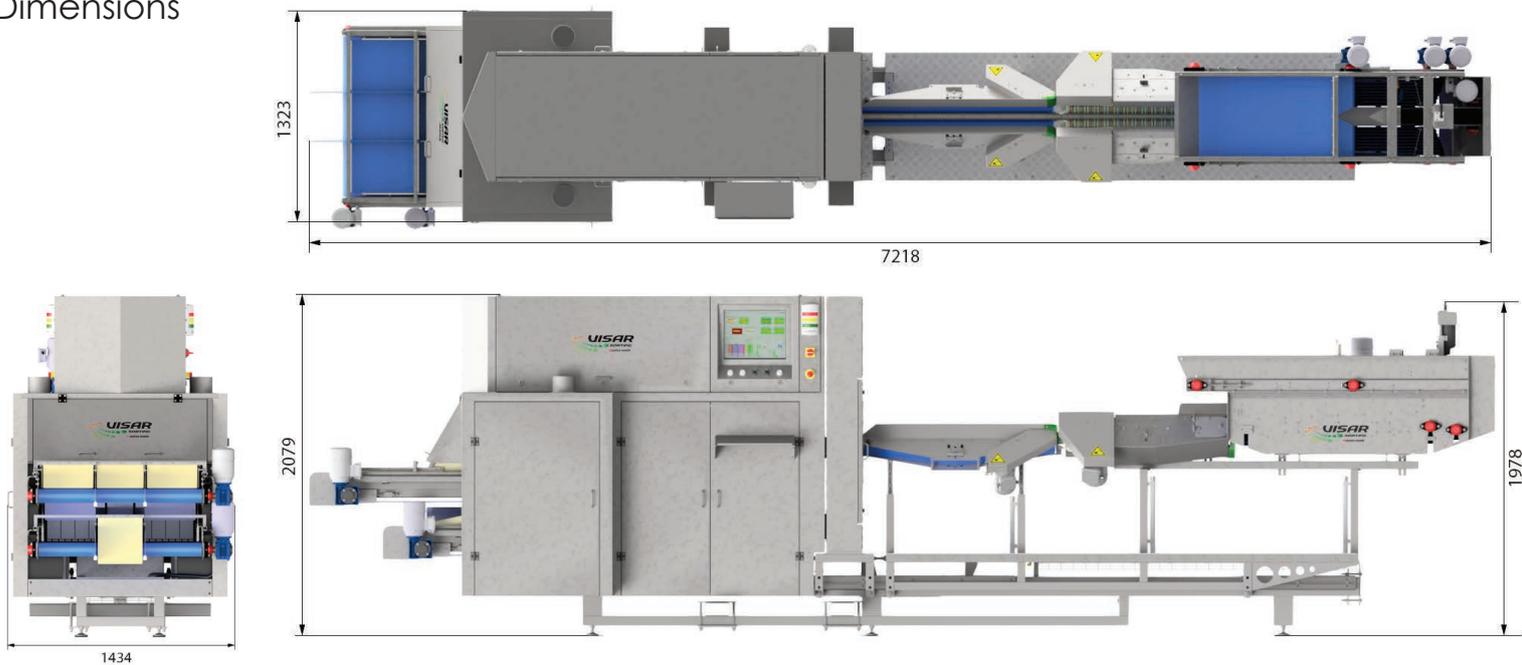
Q2 Standard product with consistent quality



X Foreign bodies, product too damaged



Dimensions



Infrared detection

The HD infrared vision (0.16 mm²) in addition to the colour vision allows the cameras to detect even the slightest defects, such as **wireworm damage**. The entire surface is inspected at once, thanks to the three 120° views. It detects the exact number of defects.



Any tuber type, whether washed or unwashed

The Visar Sorting software can **adapt easily** to plant sorting, for example. The mechanical components are designed to resist against dust. A patented ventilation system, exclusive to Visar Sorting captures and eliminates dust.



Easy to learn and use

The Visar Sortop software is user-friendly and easy to configure. Operators master it in just a few hours. Settings are stable and **automatically adapt to the batches** of potatoes. It's a breeze! The instant statistics function makes it easier to manage production and exploit the crop's full potential. The full traceability of each batch is integrated in the software.

- ✓ Lower your staff costs
- ✓ Reduce food waste
- ✓ Sell more at a better price!

SORTOP POTATOES

The better sorting quality  The best yield

Information for an installation visit or demo: +41 21 887 03 01

