

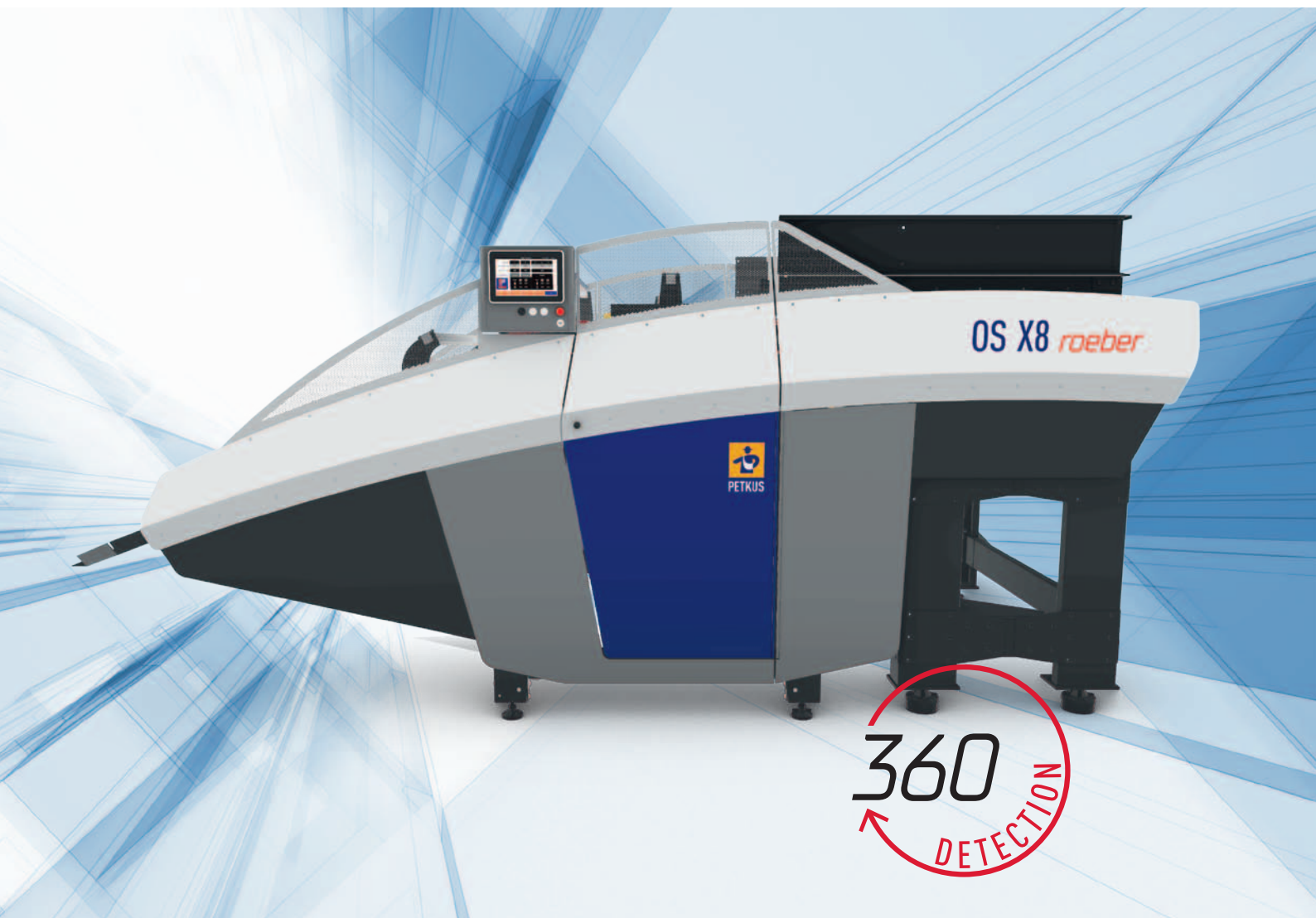
Optical sorter

OS X *roeber*



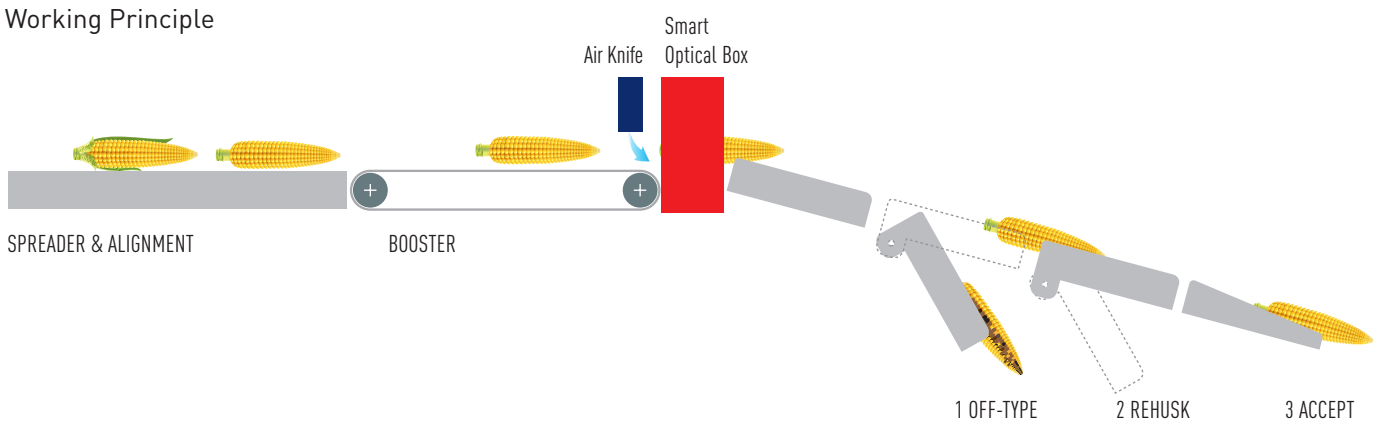
PETKUS

360° Think ahead!

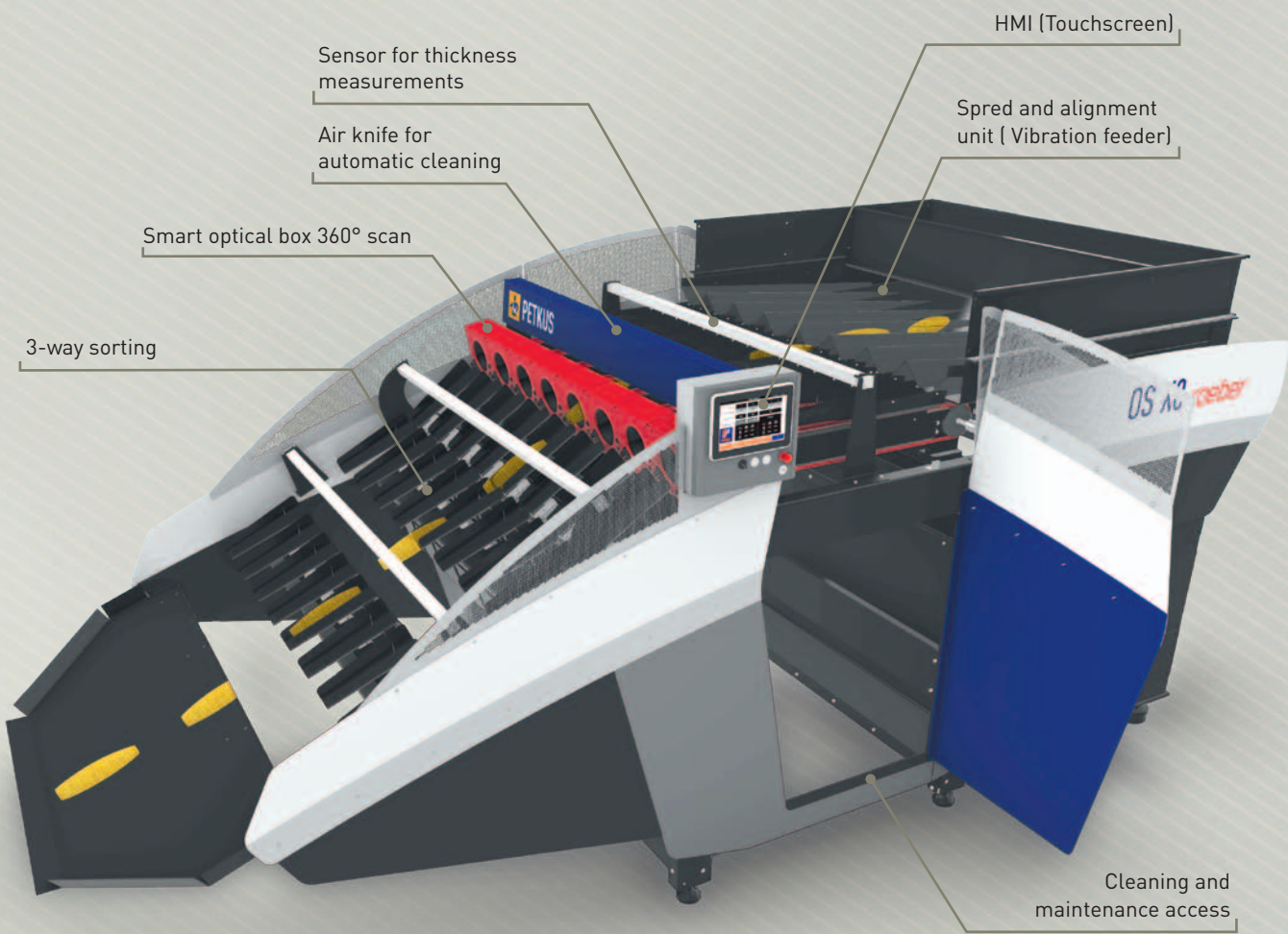


 Innovation is our DNA.

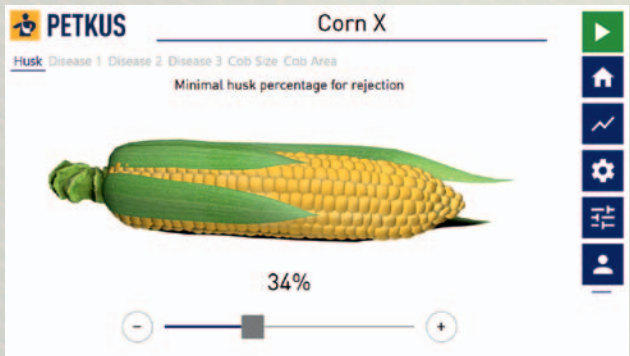
Working Principle



User friendly design



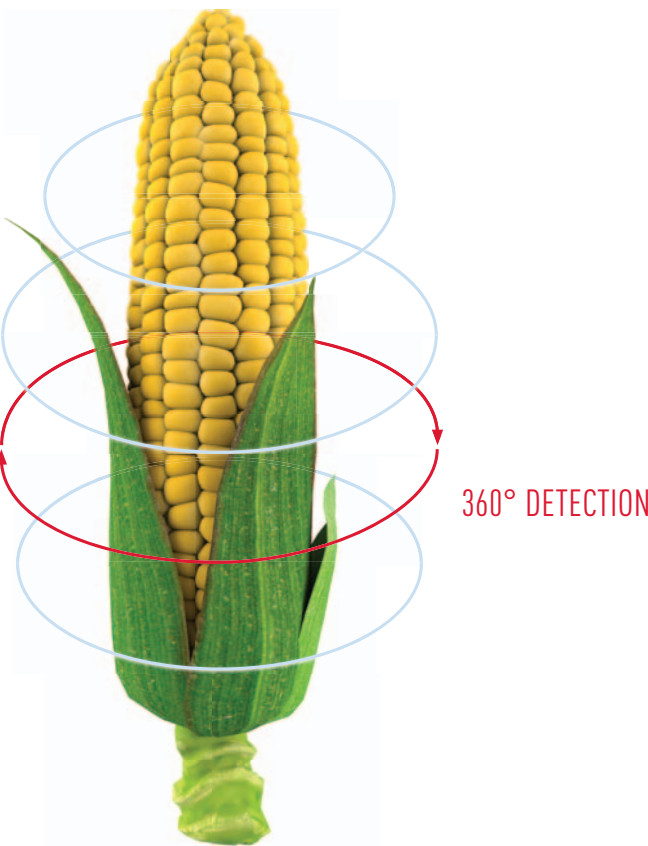
Intelligent Teach-in



The teach-in software designed by our roeber developers guarantees intuitive control through new intelligent methods and a user-friendly interface. The combination of new optical techniques and intelligent Software allows the detection of each off-types and husks. The software algorithms are developed to calculate the corn cob dimensions and 360 degree volume. This gives new possibilities in sorting, e. g. in respect to diameter of the corn cob.

Technical Data		OS X4	OS X8	OS X10
Length	(mm)	4 380	4 380	4 380
Width	(mm)	1 018	1 818	2 218
Height	(mm)	1 849	1 849	1 849
Weight	(kg)	1 100	2 200	~2 500
Power supply	(V/kW)	400 / ~1,5	400 / ~3	400 / ~4
Capacity	(t/h)	up to 7,5	up to 15	up to 19

Descriptions and measurements are approximate. We reserve the right to implement technical changes.



- + Gap-free detection of husks and defects on cob surface by 360° analysis
- + Detection of off-type cobs based on 360° corn cob analysis
- + High speed 3-way sorting
- + Detection of color changes caused by mold and fungal infestation
- + System scalable from 1 to n processing lanes (Standard setup 8 lanes)
- + Completely independent control of lanes
- + System control via HMI or remote
- + Energy efficient air knife for automatic cleaning
- + Dust proof system



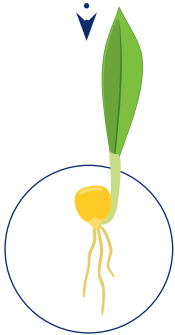
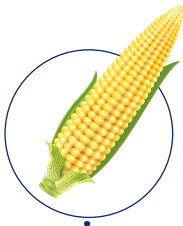
Good corn cobs



Rehusk



Off-type



THINK ahead!

With the security check by our OS X roeber, we seek to lay the foundation for the whole value chain. The analysis of the cobs at the very beginning has an impact on the entire processing chain, which positively affects the efficiency and the quality of the end product.

Optical sorter

OS X *roeber*

 **Innovation is our DNA.**

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