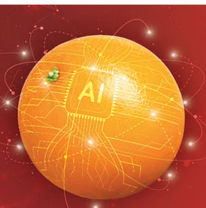
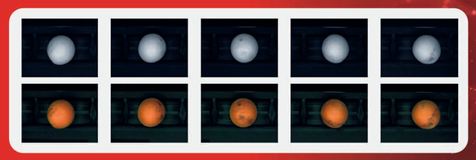
# ELECTRONIC GRADERS FOR FRUITS AND VEGETABLES

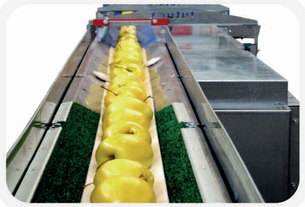
Futura graders offer complete modularity and adaptability to meet any grading requirement. For lower capacities, we provide 1- and 2-lane lateral discharge options, while for higher capacities, we offer 2, 4, 6, and 8-lane central discharge configurations. Depending on the type of products and desired grading methods, the grading machines are equipped with transport trolleys in either cup or roller form. These trolleys are meticulously designed in various shapes and sizes to accommodate different types of products.

## Fruits have no more secrets




**OUR AI LOOKS WHERE THE HUMAN EYE STOPS.**
Precision, speed, simplicity: our new AI-based system is revolutionizing fruit quality control.





**PRE-ALIGNING SYSTEM**
The pre-aligning system consists of V-shaped AISI 304 components, equipped with two distinct speed belts for each channel. Its primary objective is to efficiently align the products prior to their entry into the grading machine.

**WEIGHT DETECTION**
Our graders are specifically designed to accurately measure the weight of a wide range of products. They detect the weight of each individual product using high-quality load cells constructed from stainless steel and chrome-plated housings. Our system ensures optimal precision even when operating at the highest speeds.

**DIAMETER, COLOUR AND EXTERNAL QUALITY VISION SYSTEM**
Our graders detect diameter, shape, colour and loose skin of each fruit through a box with a led lightning system and a high resolution camera for each working line.

**SINGULATION SYSTEM**
The key element of our machines, which plays a crucial role, involves the utilization of metal sheets covered with soft rubber. These specially designed sheets transport the products into the trolleys, ensuring optimal singulation and precise handling of each individual item.

**OUTLETS AND PRODUCTS DISCHARGE**
The products are seamlessly discharged from the trolleys using computer-controlled solenoids. These solenoids expertly tilt the trolleys, allowing each product to gracefully descend onto an accompanying curtain before smoothly landing on the outfeed belt.

futura
fruit technology equipment

futura-grading.com

t. +39 (0) 547 632749
e. info@futura-technology.com

FUTURA s.r.l.

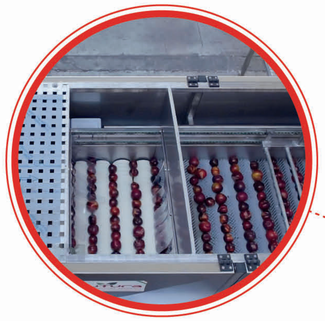
Registered Office
Via Paleocapa, 6
20121 Milano - Italy

Operational Headquarter
Via R. Mattioli, 136 - 156
47522 Cesena (FC) - Italy

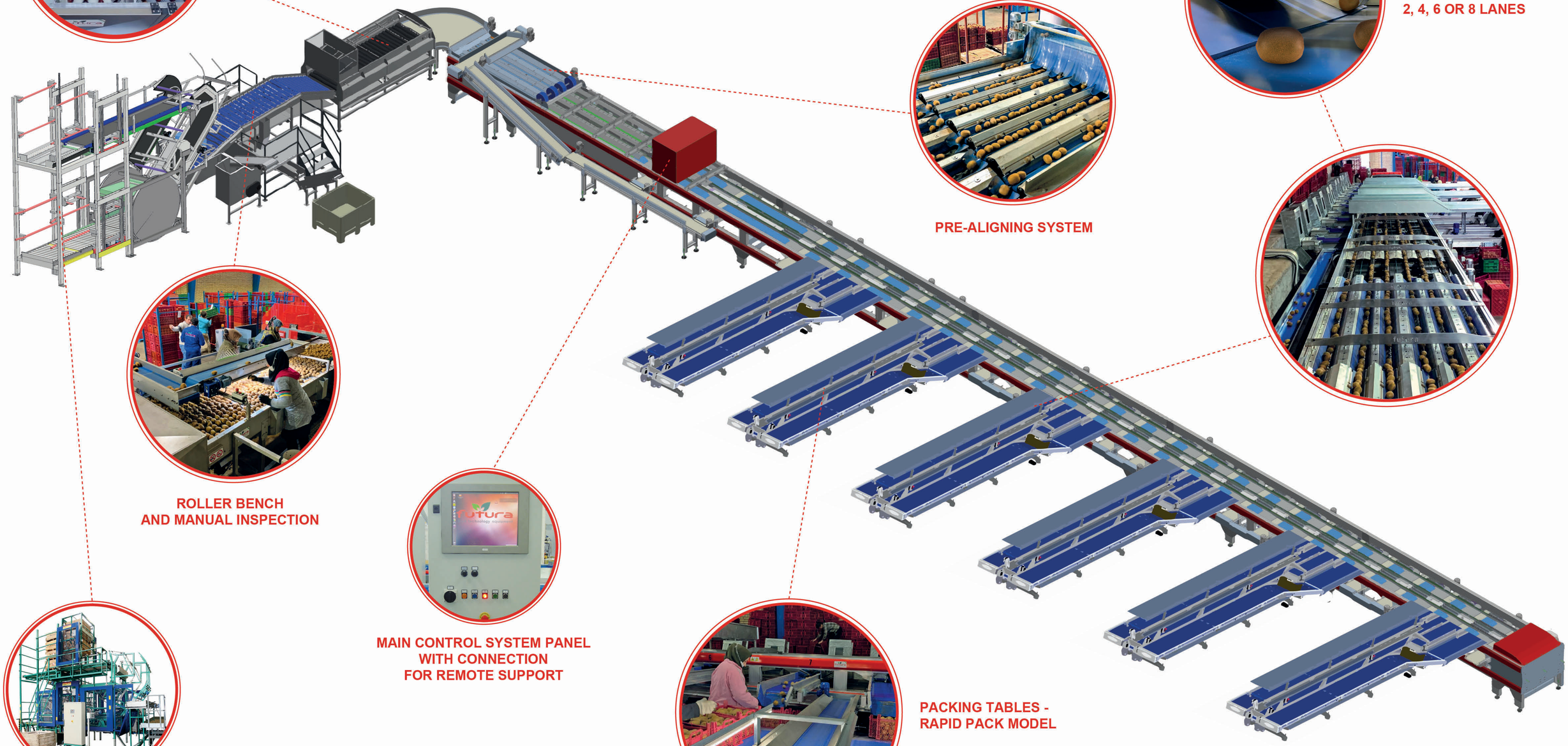
# FRUITS AND VEGETABLES GRADING LINES

futura
fruit technology equipment

# FRUITS AND VEGETABLES GRADING LINES

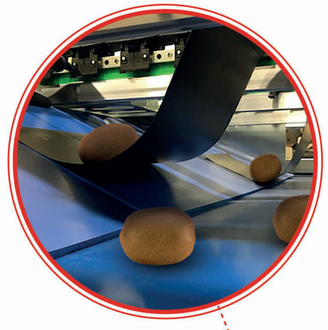


WASHING, BRUSHING,
AND DRYING SYSTEM





PRE-ALIGNING SYSTEM



ELECTRONIC GRADER
2, 4, 6 OR 8 LANES





ROLLER BENCH
AND MANUAL INSPECTION



MAIN CONTROL SYSTEM PANEL
WITH CONNECTION
FOR REMOTE SUPPORT

AUTOMATIC
BIN DUMPER

PACKING TABLES -
RAPID PACK MODEL