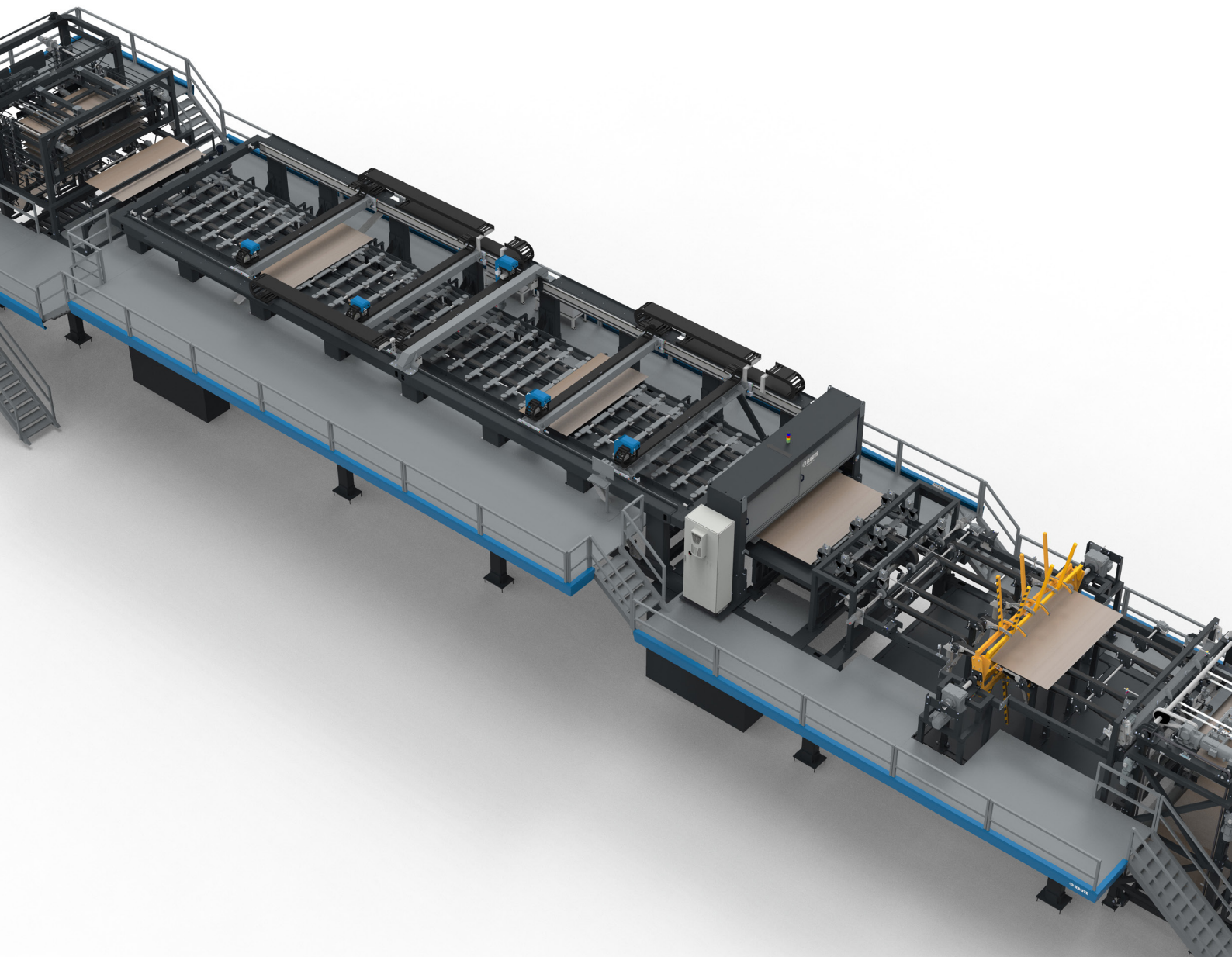# Panel Repairing Line R7

Creating superior capacity –
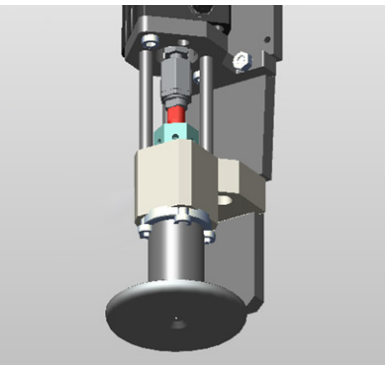Uncompromised repairing qualityfor most demanding needs

WHAT IS PANEL REPAIRING LINE

Raute Panel Repairing Line R7 is a panel repairing solution, which has superior capacity and can handle both trimmed and untrimmed panels. A combination of technology and most modern analyzers on the market creates the solution's exceptional capacity.

The panels are repaired on the move and the technology behind repairing allows the panel flow to be even 24/7. The solution has multiple repair heads, which enables the usage of different repair materials and tools on the same panel.
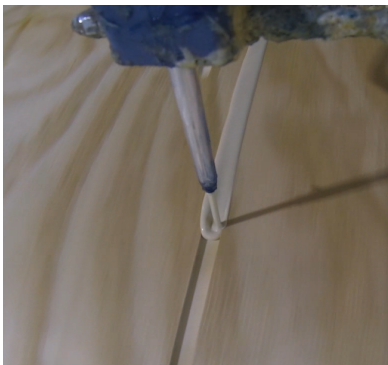
BENEFITS OF PANEL REPAIRING LINE R7

- Superior capacity
- Ability to handle warped panels due our unique suction cup conveyor
- Panels repaired on the move
- Multiple repair heads

- Up to 40% repair material saving with visual analyzers
- Automatically controlled and monitored
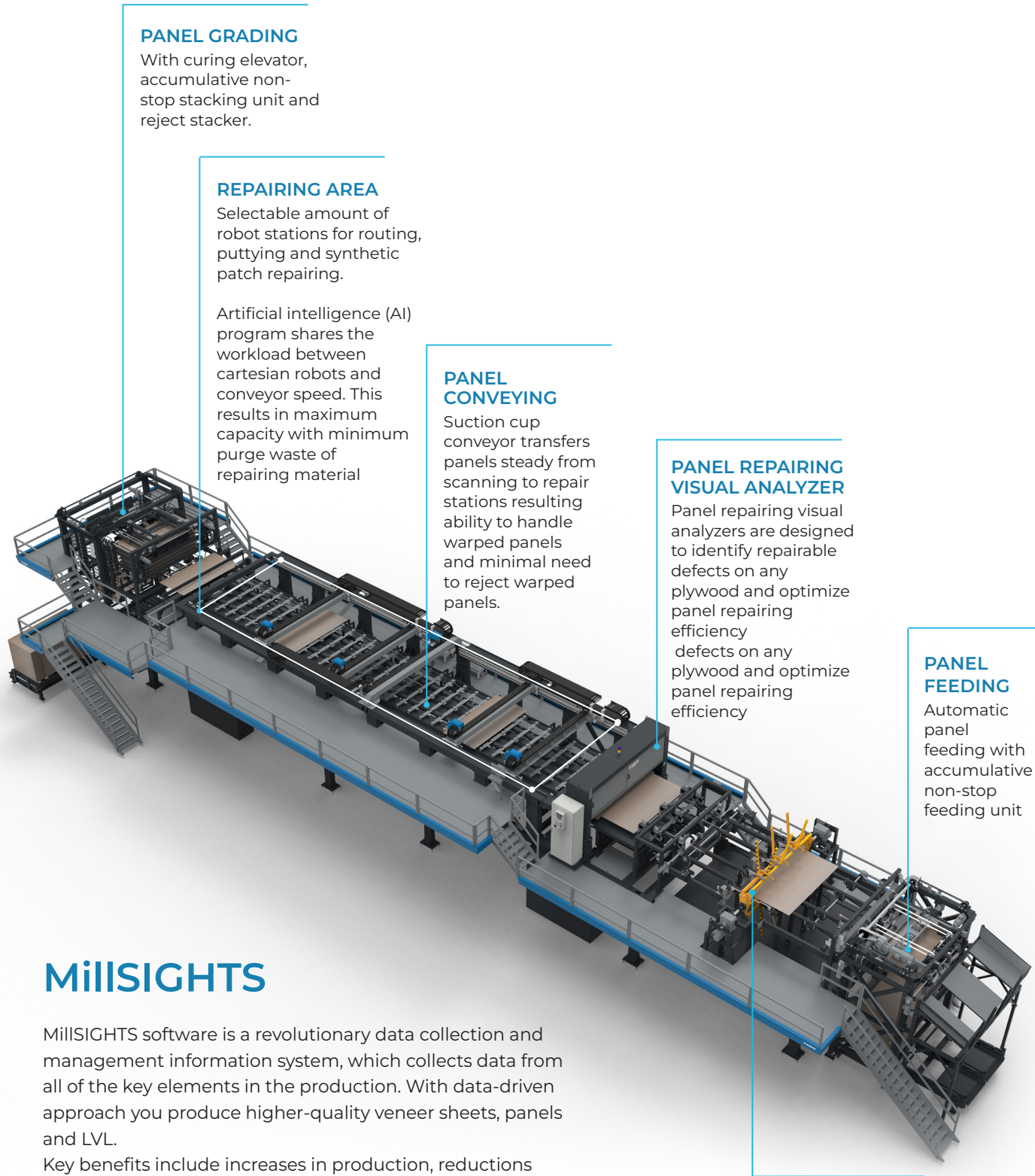- Production data available in MillSIGHTS

Putty	Router	Synthetic

TECHNICAL DATA

Operators on the Line	1
Minimum Floor space	10x30
Panel Thicknesses (mm)	5 - 40
Panel Sizes Variation (ft)	4x4 - 4x8 - 8x13
Repairing Methods	Router-putty-synthetic
Capacity up to (panels/min)	16

PANEL GRADING

With curing elevator, accumulative non-stop stacking unit and reject stacker.

REPAIRING AREA

Selectable amount of robot stations for routing, puttying and synthetic patch repairing.

Artificial intelligence (AI) program shares the workload between cartesian robots and conveyor speed. This results in maximum capacity with minimum purge waste of repairing material

PANEL CONVEYING

Suction cup conveyor transfers panels steady from scanning to repair stations resulting ability to handle warped panels and minimal need to reject warped panels.

PANEL REPAIRING VISUAL ANALYZER

Panel repairing visual analyzers are designed to identify repairable defects on any plywood and optimize panel repairing efficiency defects on any plywood and optimize panel repairing efficiency

PANEL FEEDING

Automatic panel feeding with accumulative non-stop feeding unit

INLINE PANEL TURNER

Rotating the panel inline makes it possible to repair both sides of the panel

MillSIGHTS

MillSIGHTS software is a revolutionary data collection and management information system, which collects data from all of the key elements in the production. With data-driven approach you produce higher-quality veneer sheets, panels and LVL.
Key benefits include increases in production, reductions in costs, energy savings, better profitability and ability to measure results.

PRODUCTION DATA

- Count of Panels
- Count of Different Types of Faults
- Pasta Counsumption
- Line Up and Down Times

MAINTENANCE DATA

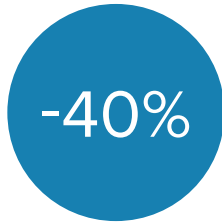- Fault Monitoring/Recording
- Equipment Condition

BENEFITS

HIGH CAPACITY

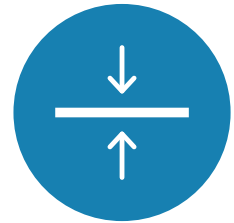High capacity is achieved by repairing the panels in the uniform repairing area.

-40%
UP TO 40% LESS REPAIRING MATERIALS

Uses 40% less repairing materials compared to traditional repairing methods.

ONE OPERATOR NEEDED

Only one operator needed to control the machine, which saves time and costs.

EFFICIENCY BY ROTATING PANELS

Efficiency achieved in turning around panels so both sides are fixed.

ANALYZERS FOR PANEL HANDLING

Panel Visual Analyzer R7 uses high-resolution color cameras and 3D scanners in order to achieve the most accurate defect detection. It allows to minimize repairing and consumption of repairing material due to its highly accurate defect detection and defect size measurement.

The analyzer optimizes best repairing routes together with the defect analysis. This ensures savings in repair materials, maximized capacity and high end-product quality. The analyzer has a convenient touch screen, which makes managing and tuning multiple recipes for different products easy.

Spruce defect