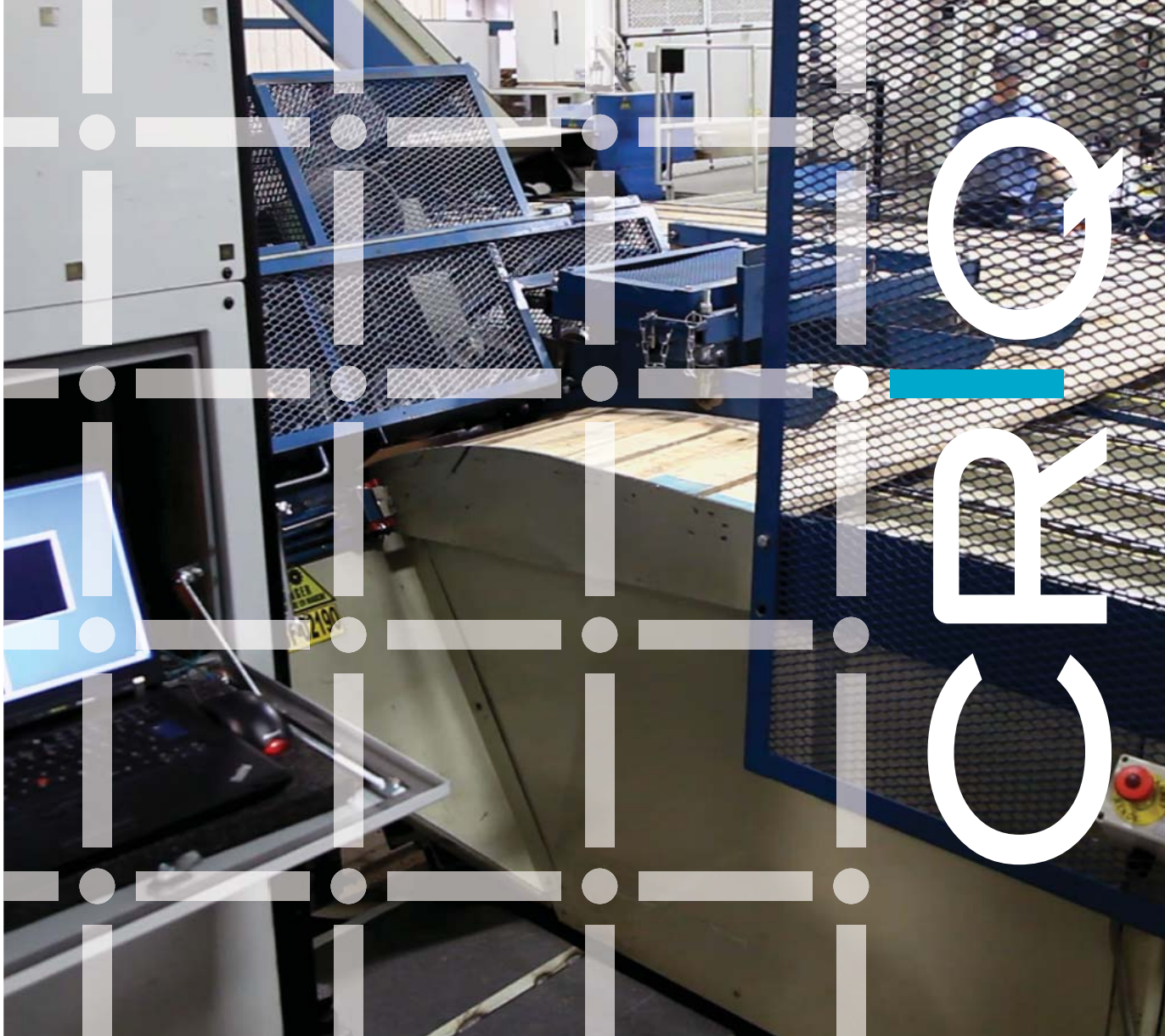


# Precut 3D



## A simple dimensional scanner for wood

This simple 3D scanner is installed before any moulding or grooving operations. It is built to scan rough unplanned wooden surfaces. With this system, you will reduce downtime and any unnecessary handling, thus increasing value added time for your operators. With it, you can use digital outputs to indicate which parts need manual processing and which can be simply sent to further process steps. With simple rules, it will also indicate which face and which side should be presented to the moulder for higher financial output.

This scanner will detect major sizing defects on unfinished boards (large holes, wide splits, major open knots) that can cause damage and downtime during moulding production. It will also describe, by means of a digital output, the manual process or return code for any pieces requiring reorientation in the machine.

- Longitudinal acquisition matrix measuring 1 mm x 0.2 mm
- Acquisition type: profilometry (dimensional)
- Speed of 350 in/min (1778 mm/s)
- Installation complexity: low

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### RETURN ON INVESTMENT AND DIRECT BENEFITS

For a medium-sized business, the return on investment is typically estimated at less than 9 months. This performance is possible thanks to:

- A reduction in the number of parts requiring manual handling;
- A reduction in the number of parts produced by the moulder on warped boards;
- A reduction in the amount of labour required prior to cutting to prepare the boards.

The system also allows direct gains in terms of:

- Higher quality products;
- Reduced number of health and safety problems (less labor and handling;)
- Reduction in moulder downtime caused by damaged or excessively curved pieces.

### MAIN APPLICATIONS

Precut 3D system are presently implemented at hardwood flooring production facilities on rough unplanned boards.

The application can easily be adapted for the following uses:

- Production of engineering parquets;
- Softwood lumber;
- Hardwood lumber;
- Railing and staircases production;
- Moulding production.

#### For advice or information on Precut 3D:

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