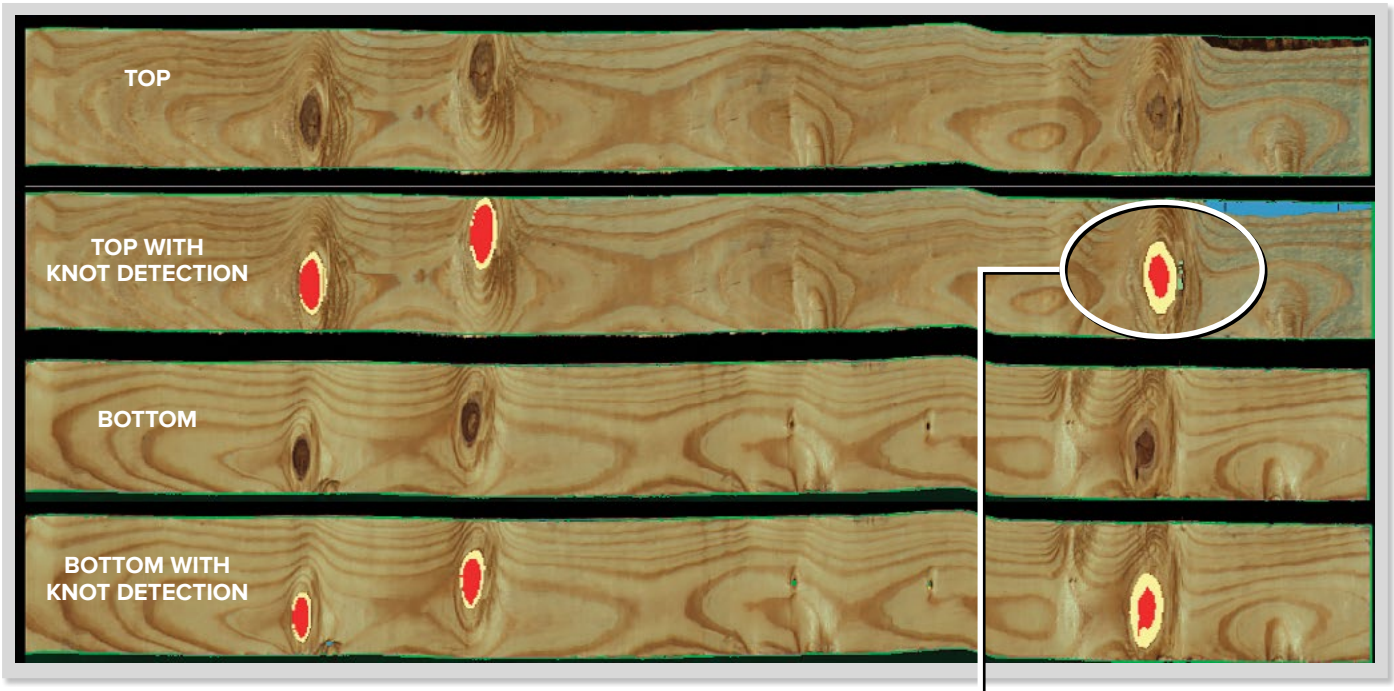
Perceptive Sight™
BY LUCIDYNE

Revolutionizing Image Analysis and Optimization

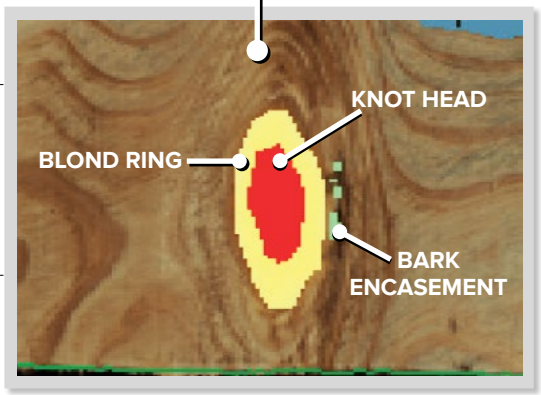
Perceptive Sight™ Intelligent Grading uses Deep Learning Artificial Intelligence to revolutionize the way lumber is graded. Perceptive Sight™ is only available from Lucidyne.

Here are just some of the amazing things that Perceptive Sight™ can deliver.

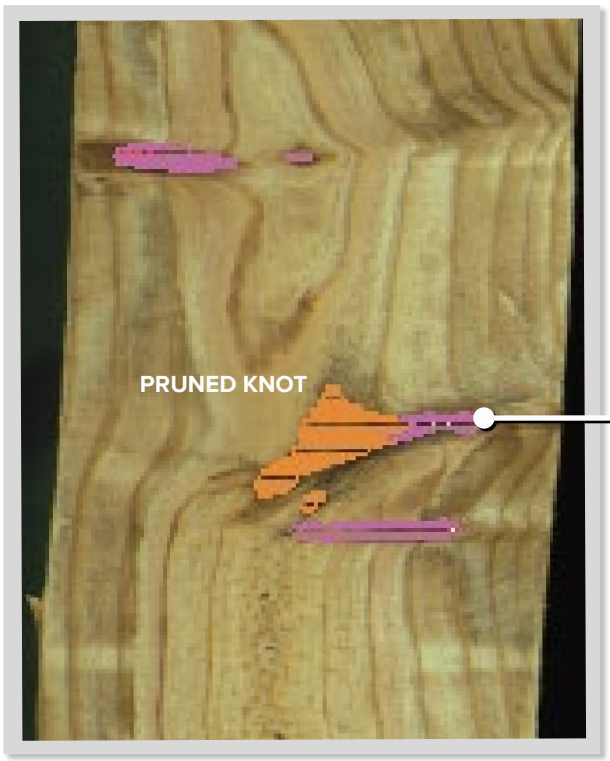


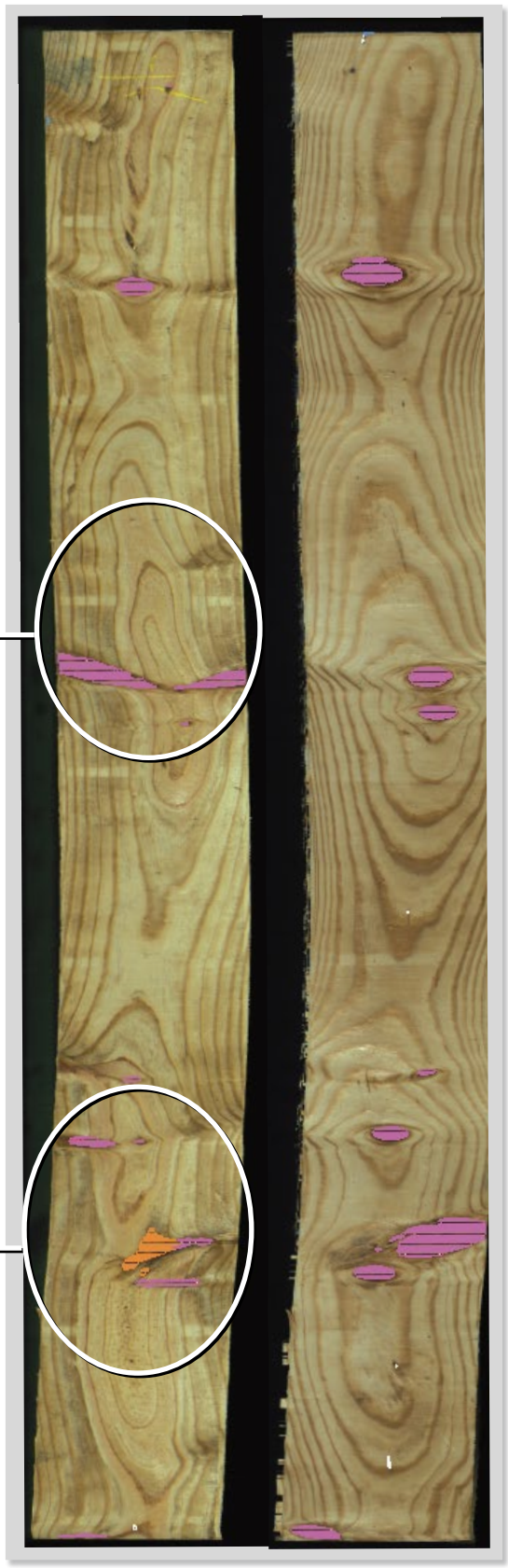
SOUTHERN YELLOW PINE BLOND KNOTS

Perceptive Sight differentiates the knot from the ring.



KNOTS - SOUTHERN YELLOW PINE





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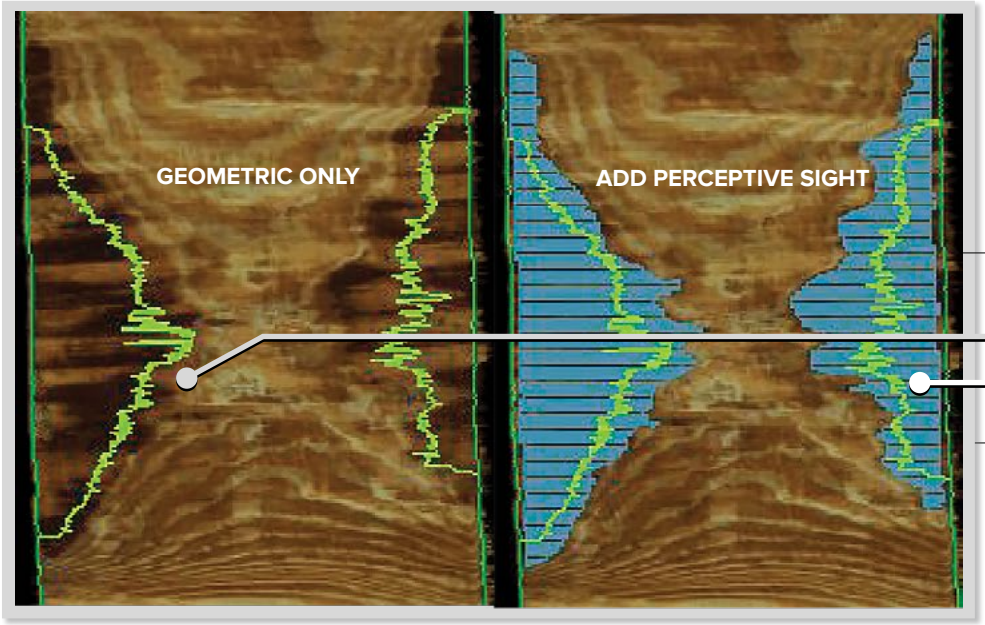
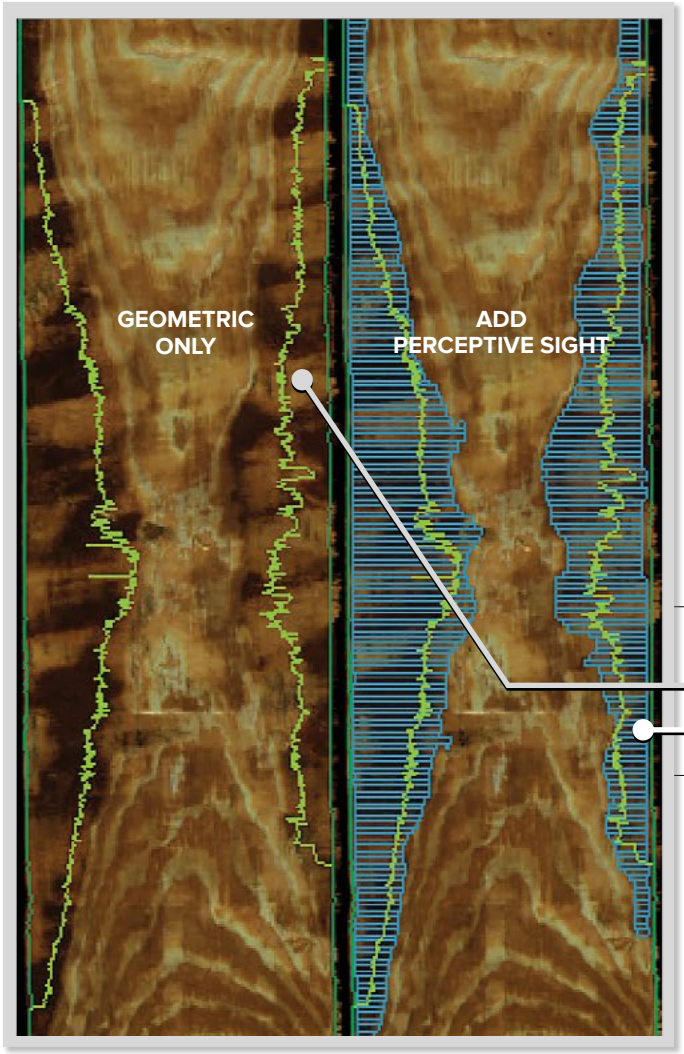


SHALLOW WANE
Geometric Only
With Perceptive Sight



SHALLOW WANE
Geometric Only
With Perceptive Sight

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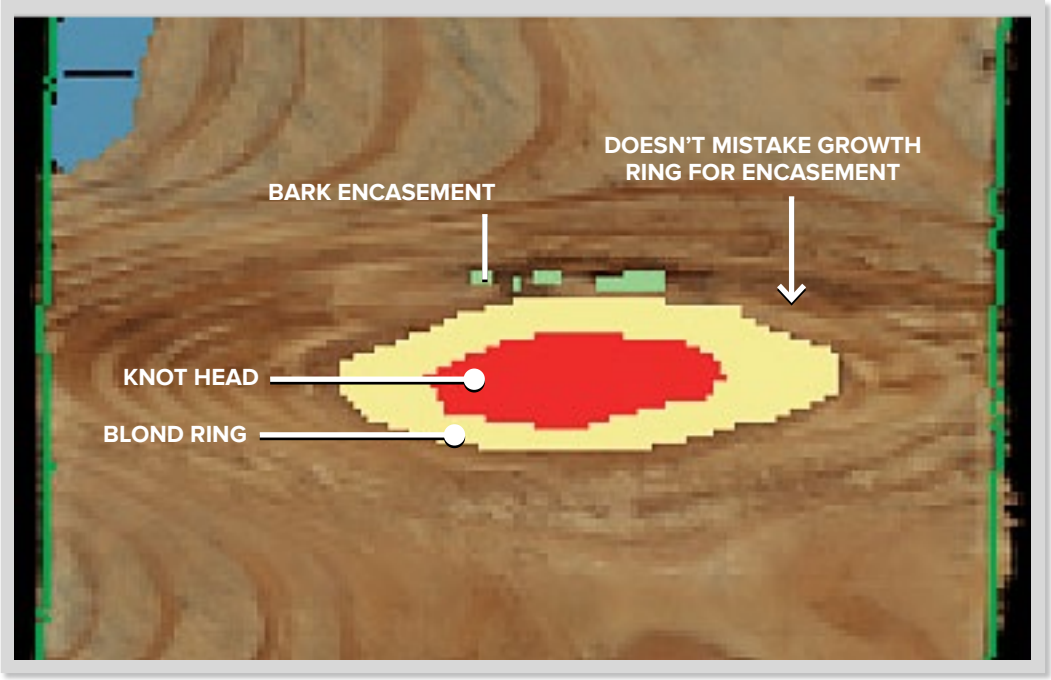
Lucidyne

BARK ENCASEMENT - SOUTHERN YELLOW PINE

Perceptive Sight™ separates bark encasement from the knot and the ring.



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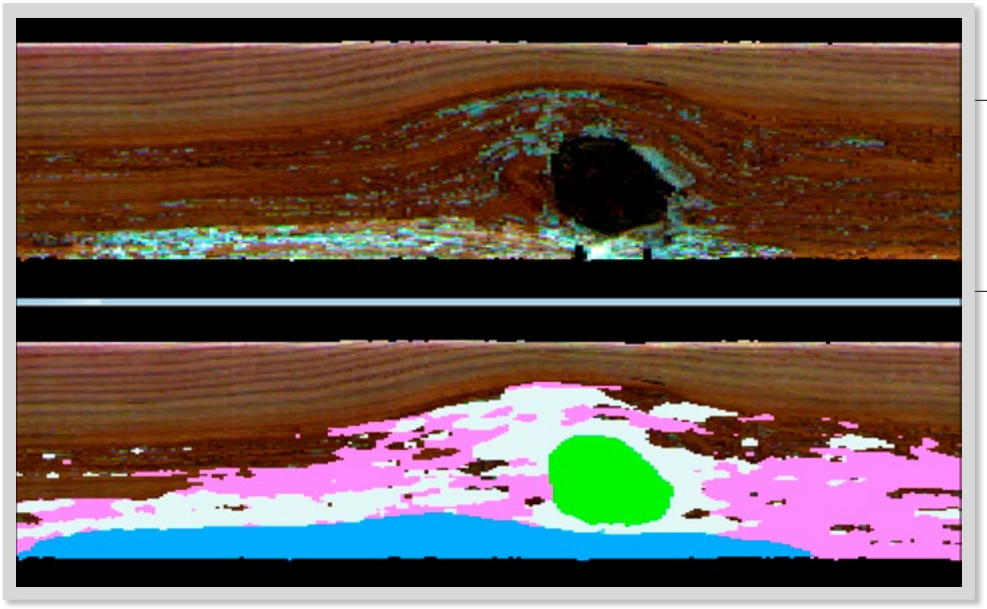
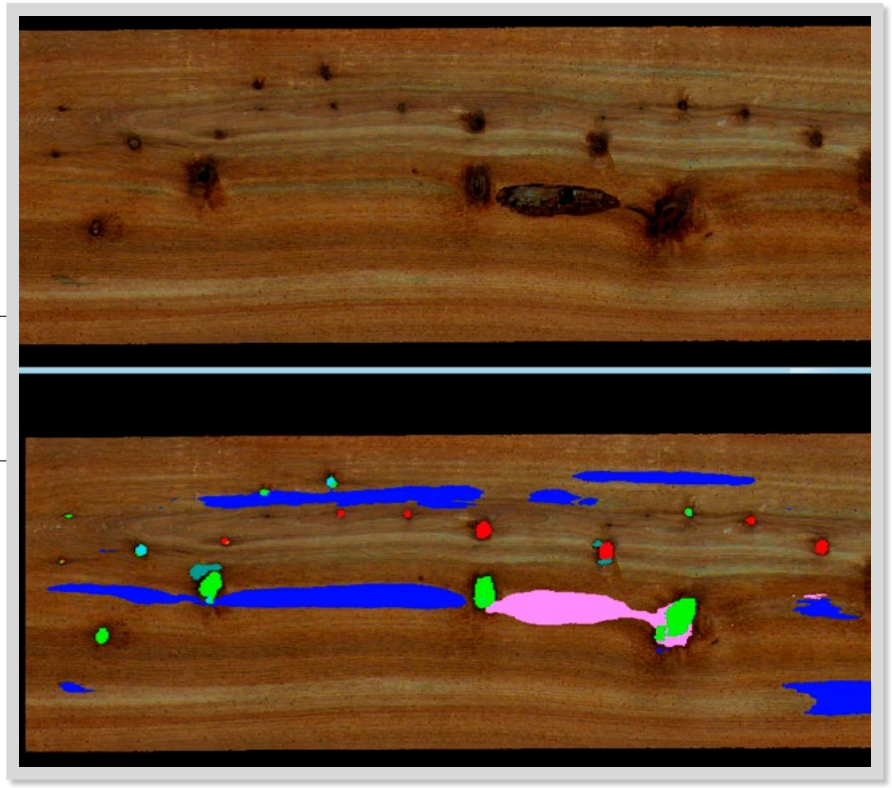


GREEN DOUG FIR

Unsound Wood and White Spec



WESTERN RED CEDAR

Peck

MANUFACTURED HOLE/CRUSHED

“SUCKER” KNOT WITH ENCASEMENT

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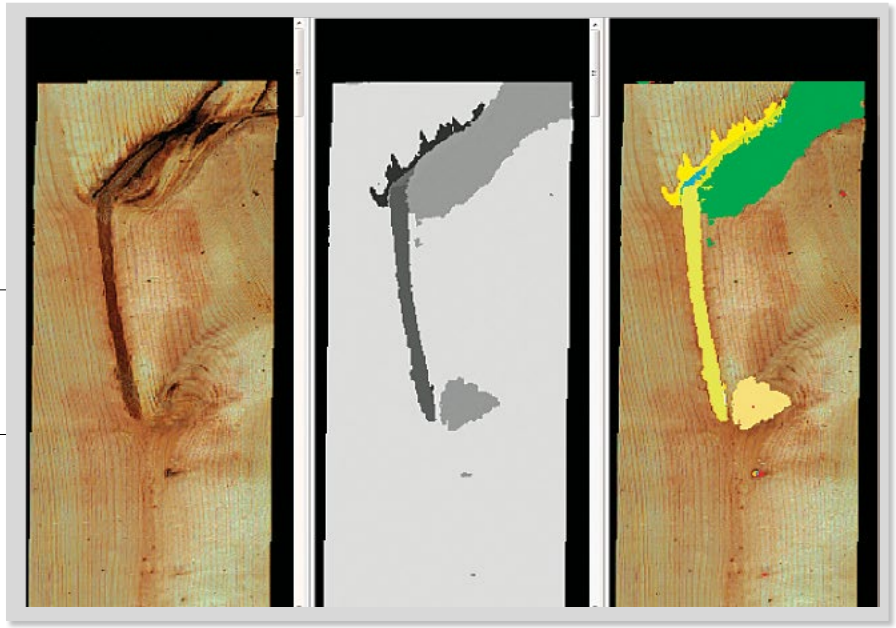
SPF

Manufactured Hole Blue Stain



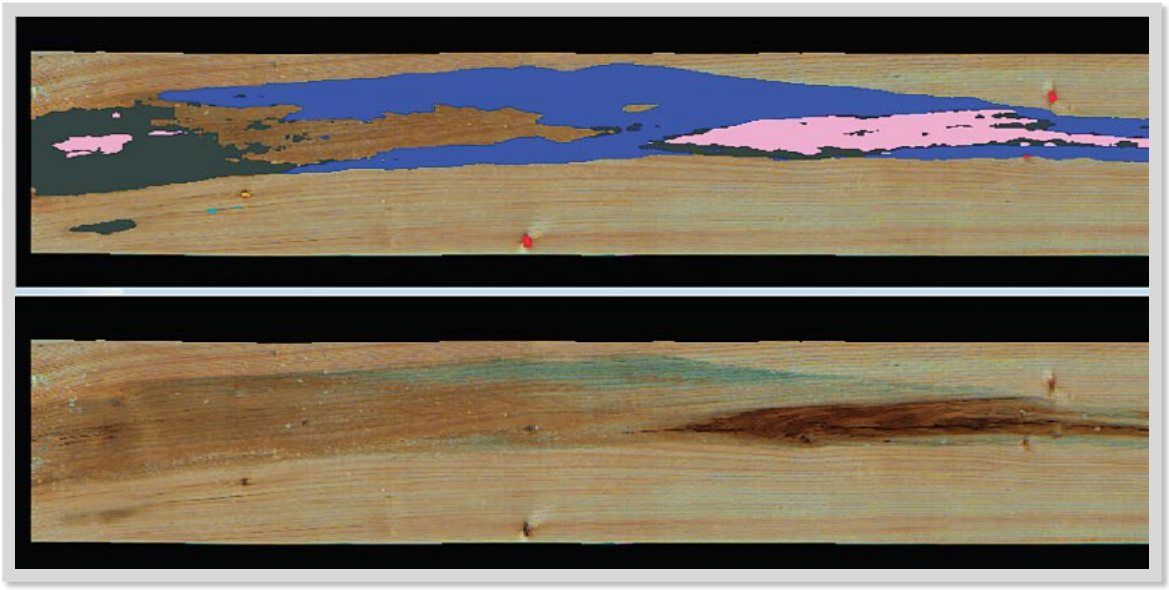
SPF

Decayed Spike to Pith

SPF

Unsound Wood

Incipient Decay



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ALDER

White = Shake, splits and checks
Mustard = Skip
Red = Red (Sound) Knot
Green = Decay (Unsound) Knot
Yellow = Blond (Sound) Knot
Pink = Pith
Blue = Wane
Light Blue = Bark Encasement

ALDER

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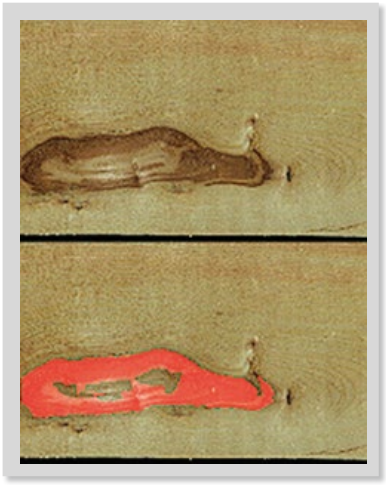
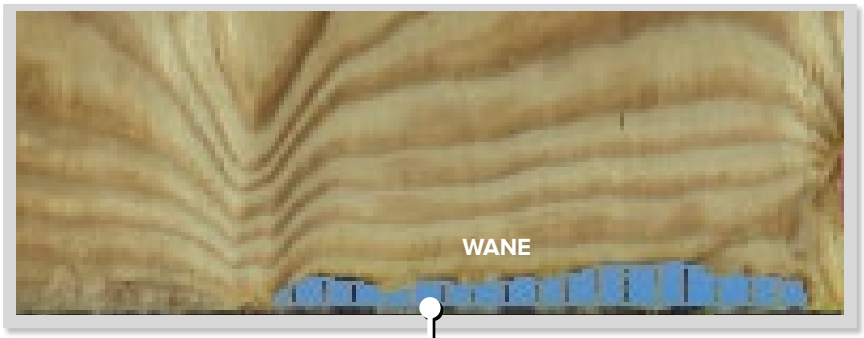
RIGHT BOTTOM LEFT TOP

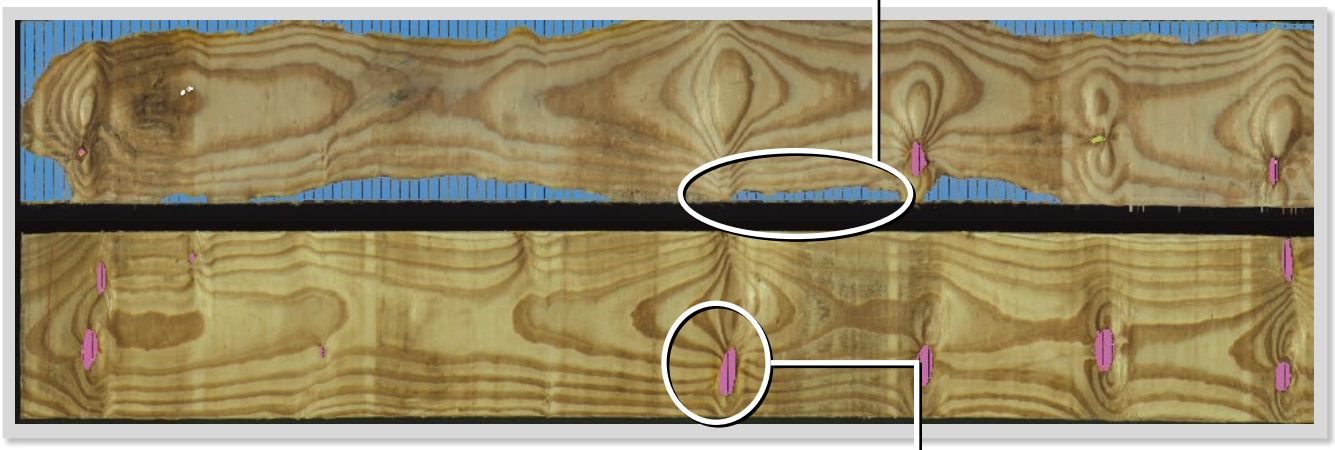
PITH

We locate pith along the entire length of the board — inside, outside and on the surface. In this example, pith is outside of the board at both ends, and only looking at the ends would miss the internal pith entirely.



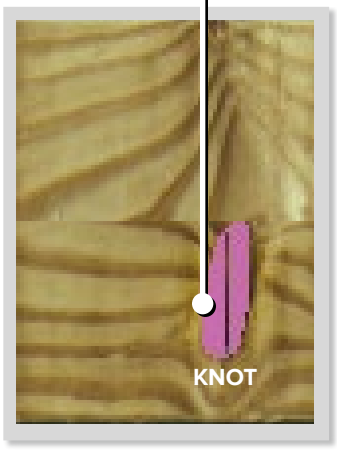
DECAY - EASTERN WHITE PINE





KNOTS AND WANE

Southern Yellow Pine



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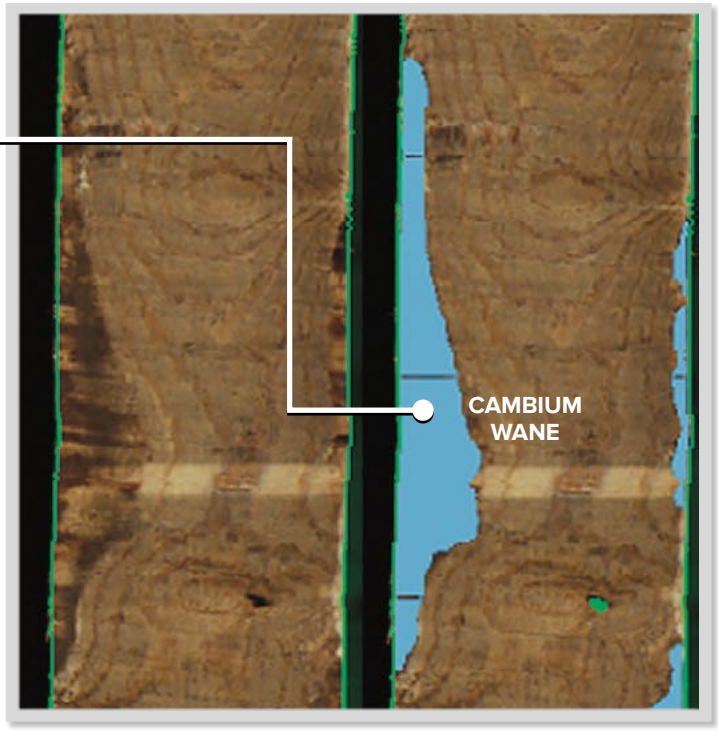
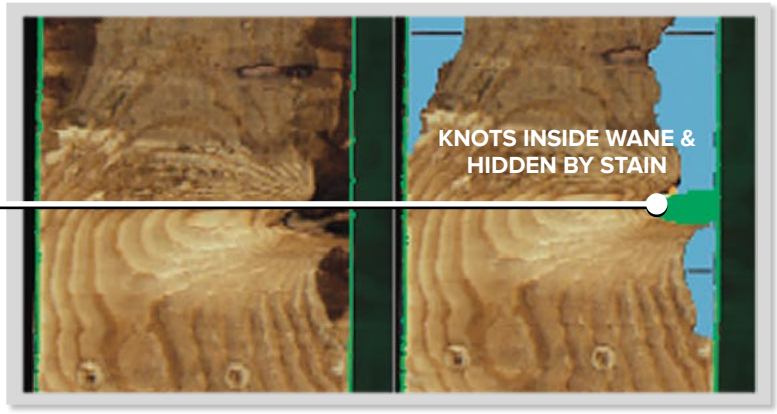
CAMBIUM WANE

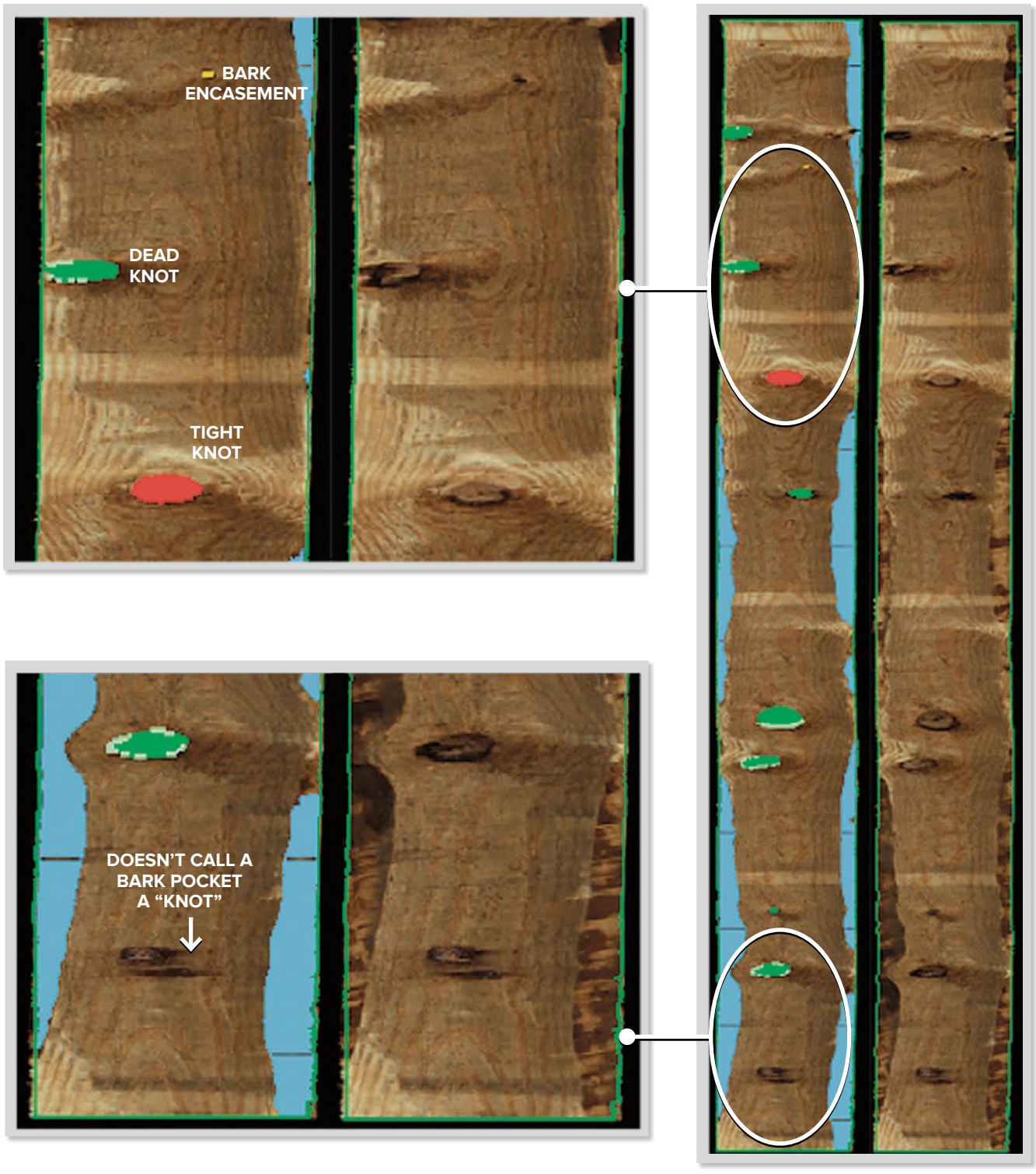
Perceptive Sight™ finds the cambium that separates the bark from the tree to accurately detect true wane, and STILL finds the knots inside the wane hidden by stain.





KNOTS AND WANE - SOUTHERN YELLOW PINE

Perceptive Sight™ sizes, classifies knots and identifies visual wane even in heavy stain.



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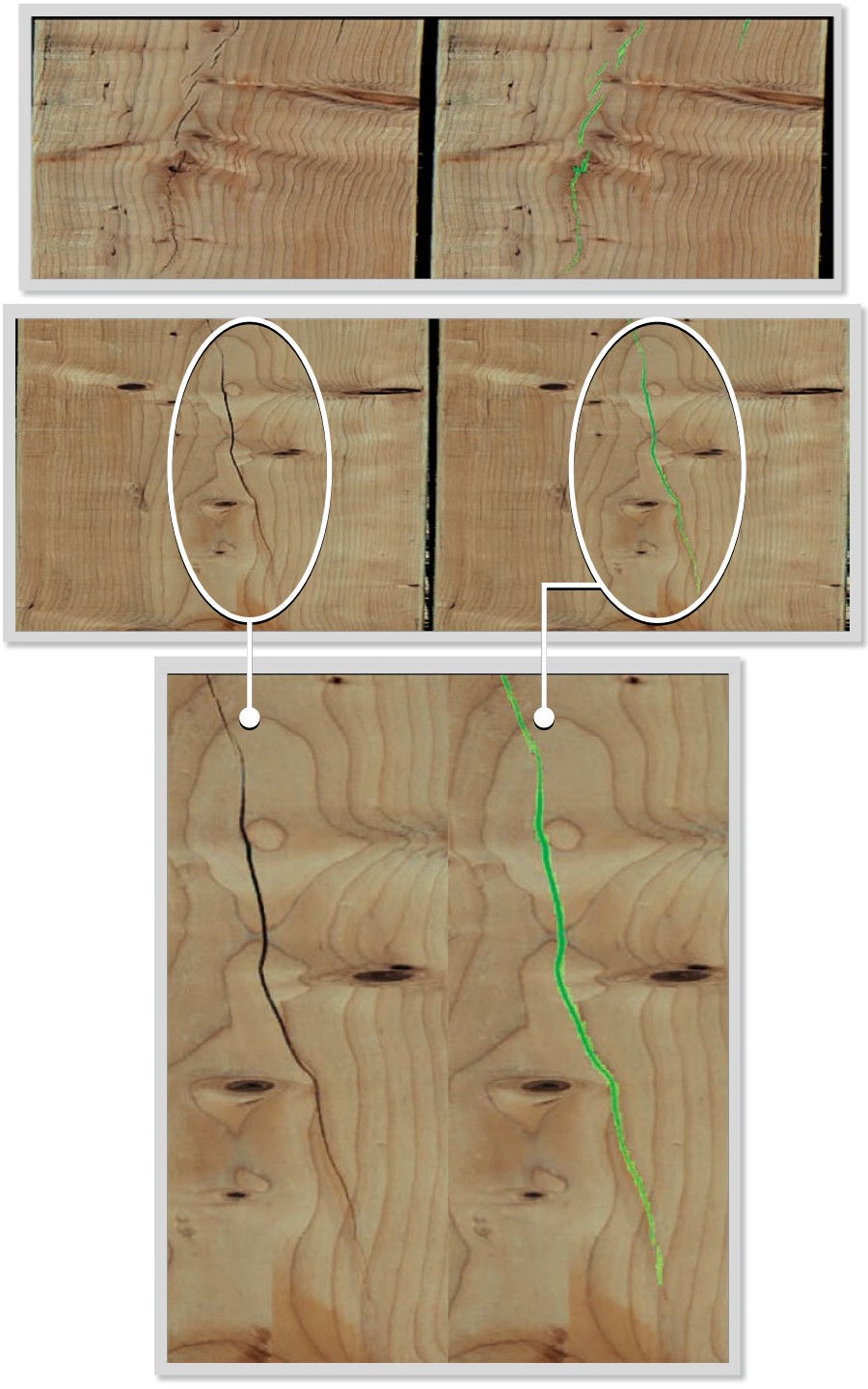
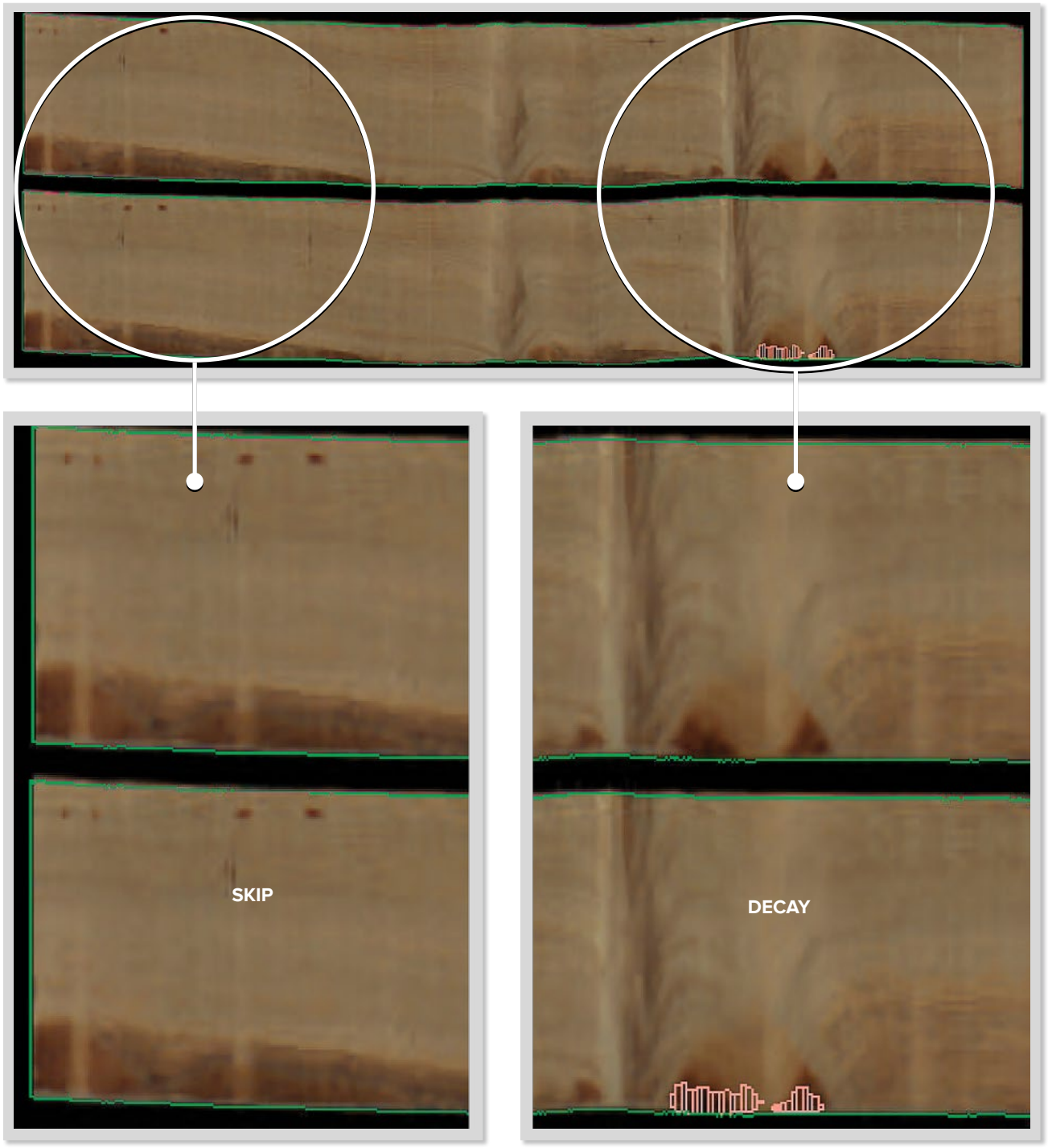
SHAKE IN HEMLOCK

Perceptive Sight™ has fewer false positives and improved individual shake classification for better differentiation between shake and season check.



SURFACED 90X90 HEMLOCK

Perceptive Sight™ doesn't mistake skip for decay, and correctly identifies decay.



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RADIATA PINE
Spike Knot with
Bark Encasement

RADIATA PINE
Sucker Knot inside
Blond Knot (yellow) with
Bark Encasement (green)

Bark pocket (orange)
Tight knot (red)

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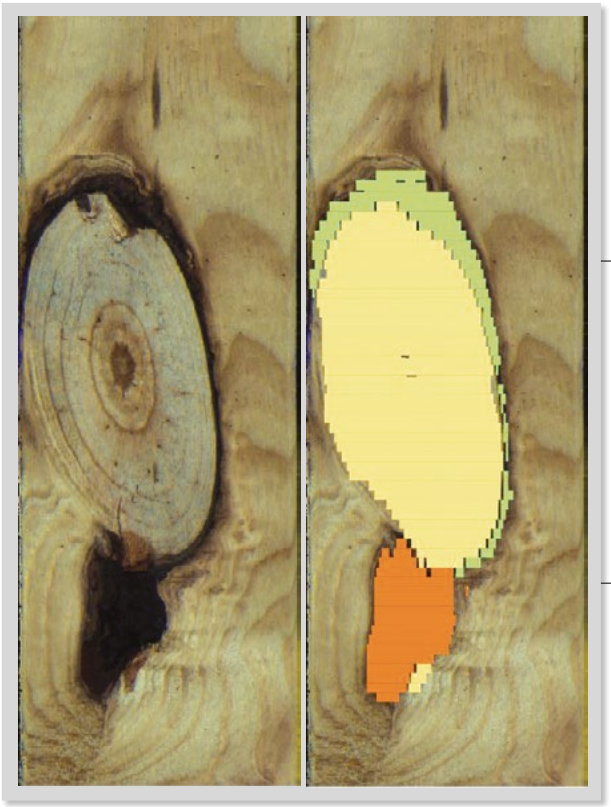
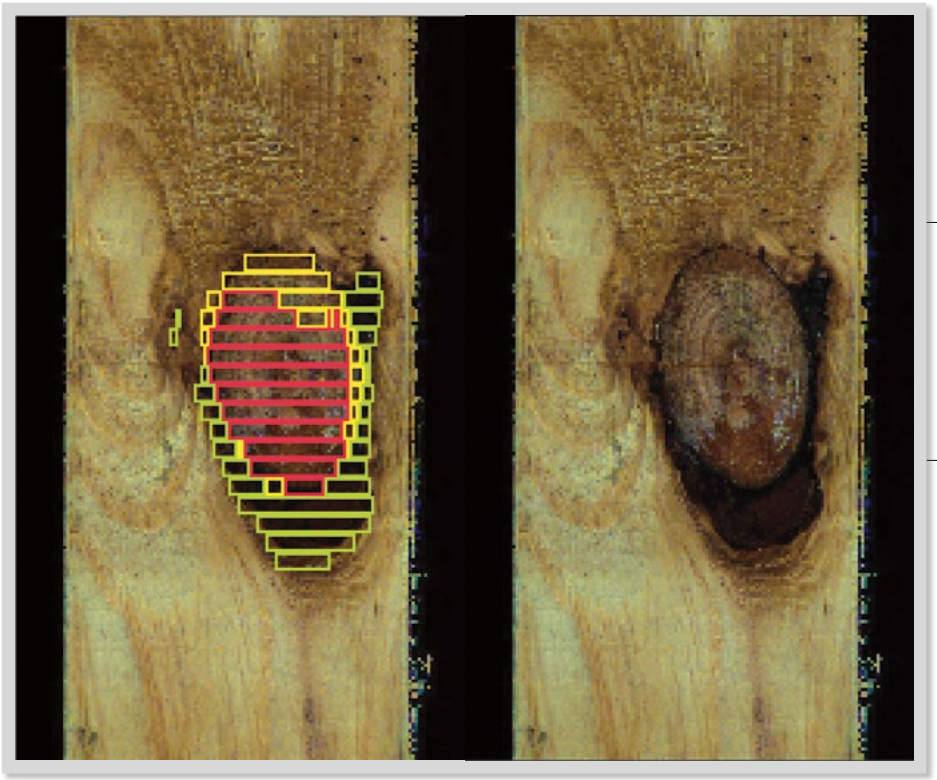


RADIATA PINE

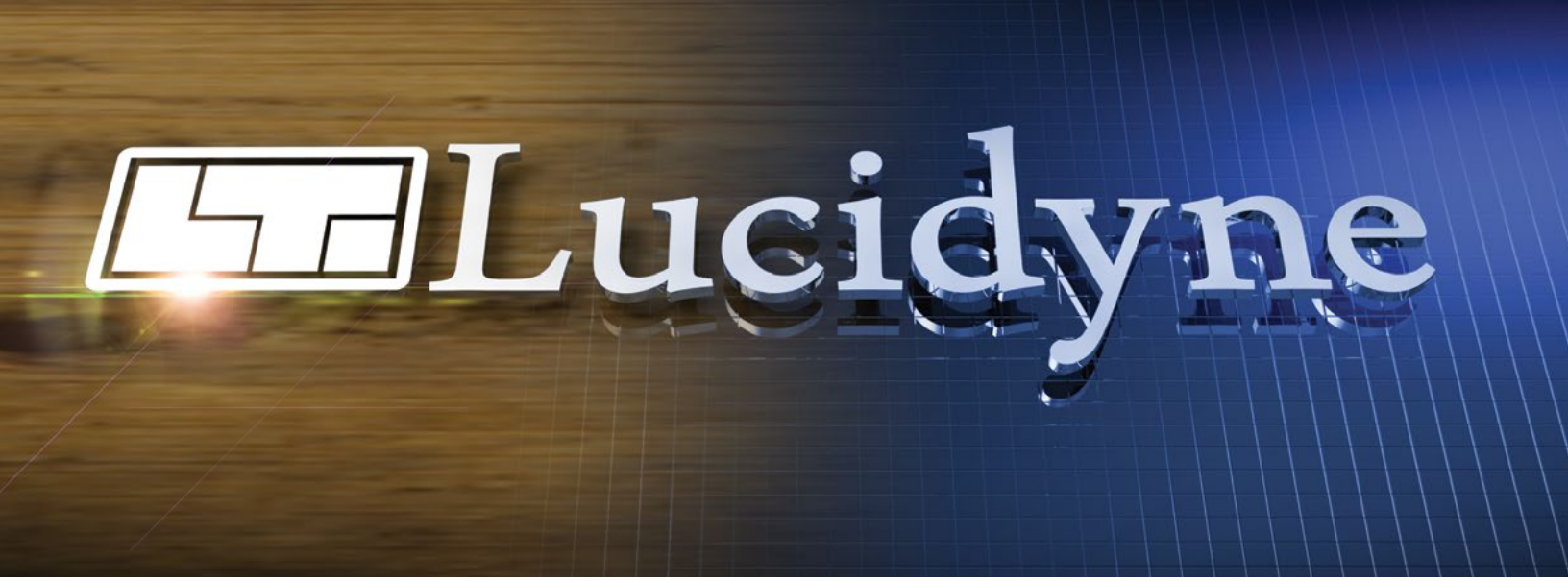
Perceptive Sight separates and identifies defects:

- Orange: Bark Pocket
- Yellow: Blond Knot
- Green: Bark Encasement



RADIATA PINE

Round Knot with Blond Ring and Bark Encasement



We Make the Grade

Lucidyne's Perceptive Sight™ is another example of Lucidyne's ongoing commitment to innovation and manufacturing excellence. We've been setting the industry standards since 1985.

Service is our hallmark. We're proud of our reputation for forming partnerships with our customers, and making sure that your system continually operates at peak performance.

Our service technicians are available 24/7/365 and our ongoing maintenance plans keep you updated with the latest software advances.

Our home is in downtown Corvallis, Oregon; within walking distance of the world-class forestry department at Oregon State University. Just minutes away is our state-of-the-art manufacturing facility.

See our website for all of Lucidyne's products, and to learn more about the Lucidyne team.

GradeScan® with Perceptive Sight™

M5 Grade Mark Reader

WarpScan™

GradeVU®

TrueQ®

ChopScan® with Perceptive Sight™

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We make the Grade

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