

ULTI-VISION™

VISION OPTIMIZING SYSTEM

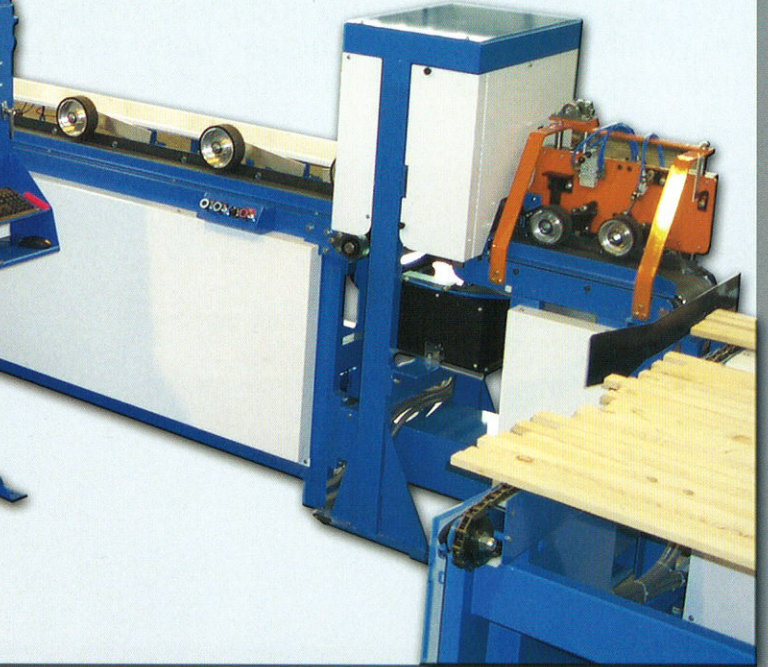
Duo-Drive
High Speed Cutoff Saw



Computer
controlled



ULTI-VISION
Automatic Defect
Scanner



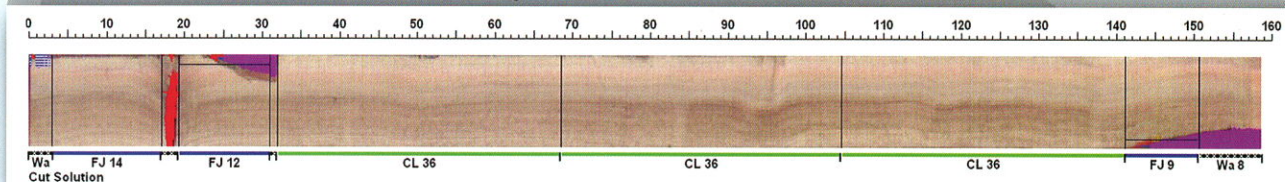
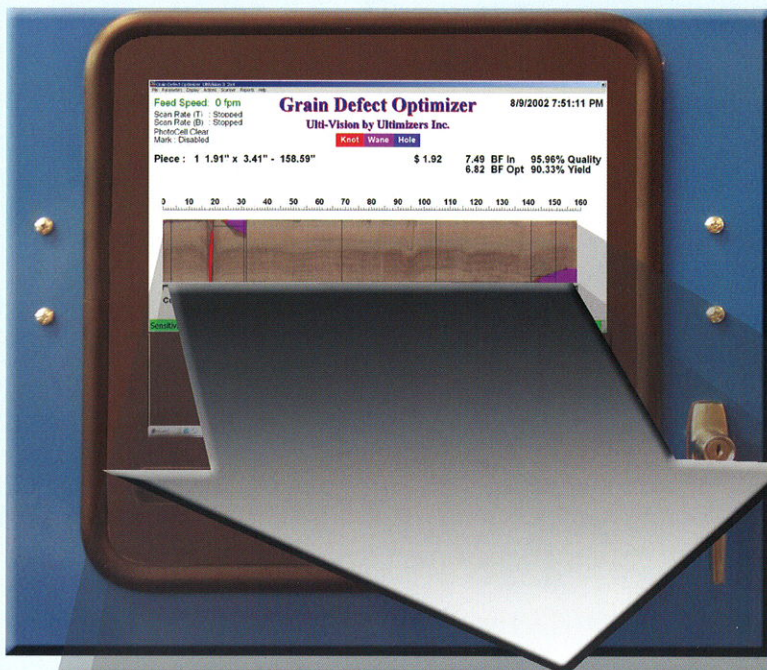
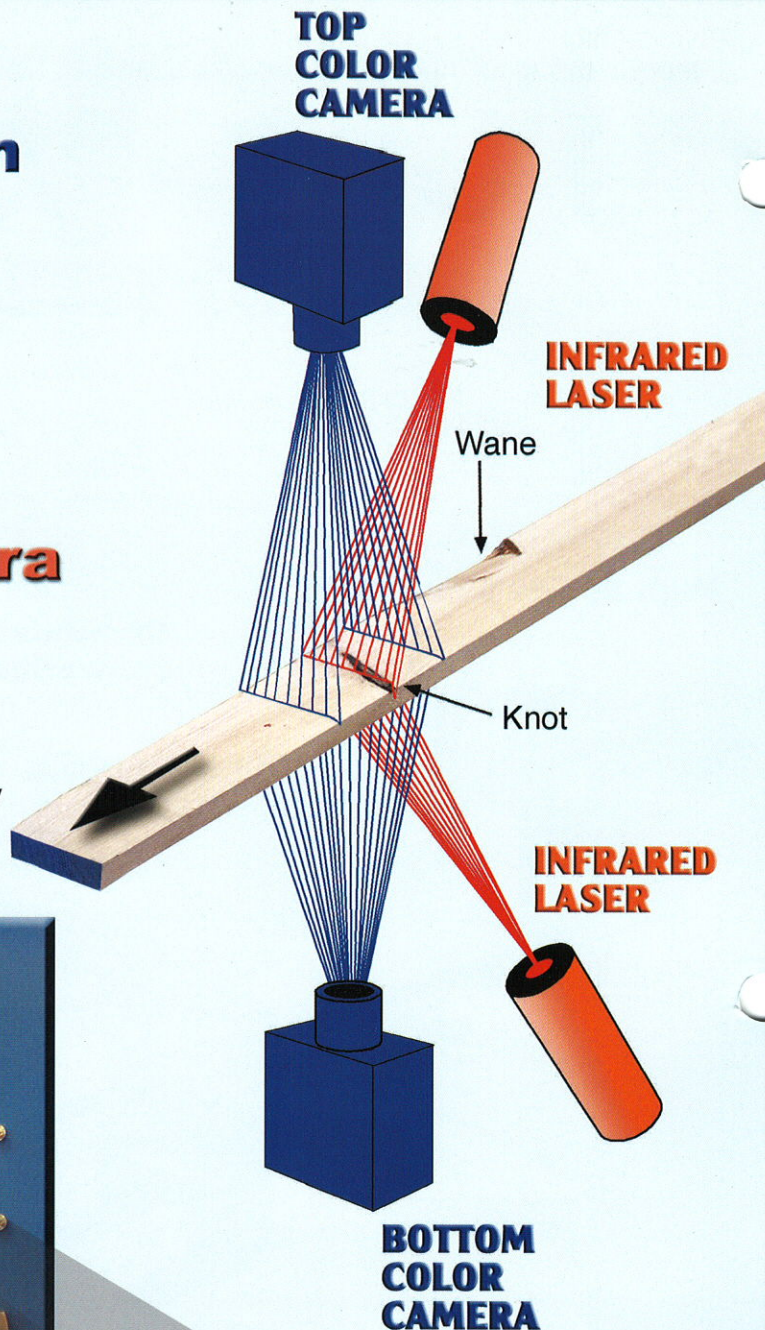
contact@ultimizers.com

**The Ulti-Vision™
Defect Scanner from
Ultimizers Inc. uses
new technology to
scan boards for
defects such as
wane and knots.**

Multiple Scan Camera Technology

(finds wane, knots, and colors- red, blue, green)

Top and bottom scanners find most knots
on relatively thin wood. Thicker wood may
use edge cameras to find edge knots.

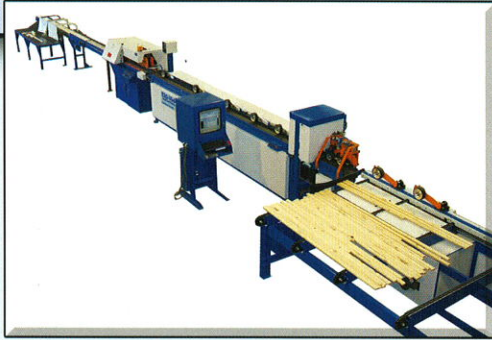
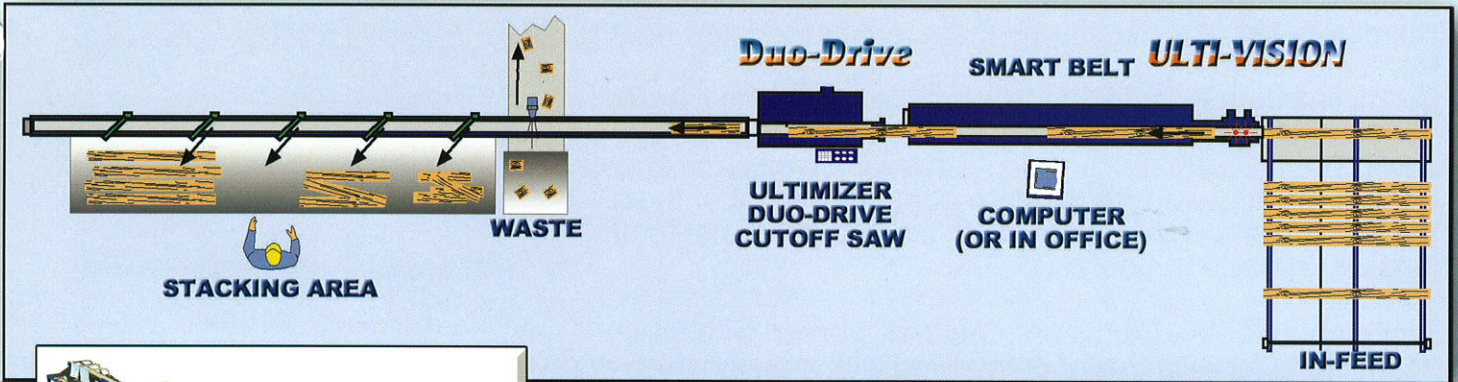


Example: Length overall= 158.59", Yield= 90.33%

(actual image from computer)

Computer image displays actual board with actual knots and wane visible to the eye. The cut solution is also shown so operators can see what sizes are being optimized and cut.

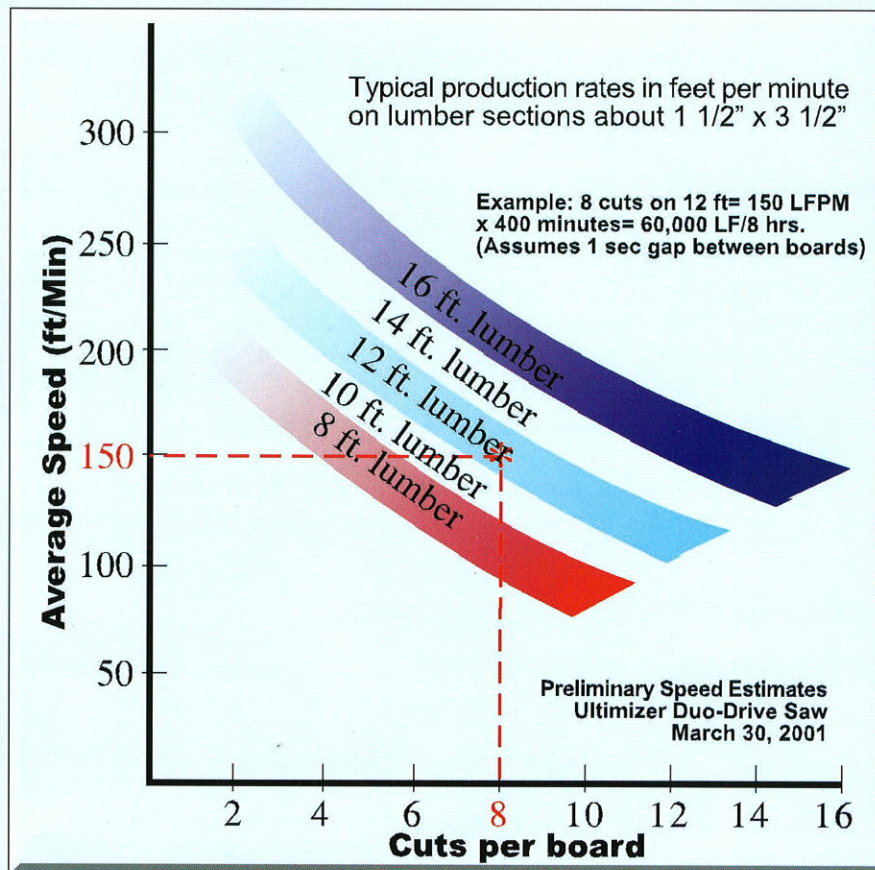
A typical high production system will include an infeed feeder, the Ulti-Vision™ Scanner, a Smart Belt™ infeed to the saw, the high speed Ultimizer Duo-Drive™ saw and a sorting system for the cut pieces.



Very High Production Rates are Possible!

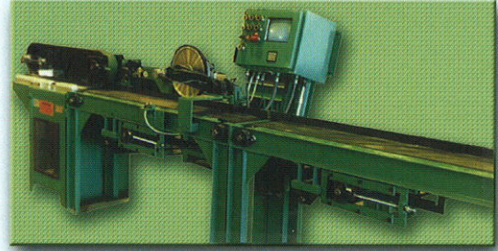
The limiting factor for production is the cutoff saw which must stop and start for every cut. The Ultimizer Duo-Drive™ saw is capable of extremely quick cuts, being limited primarily by customer acceptable grain tear-out at the saw cut.

60,000 lineal feet (or even more) in 8 hours!!



ULTIMIZERS INC.

Ultimizers Inc. is a machinery manufacturer located near Portland, Oregon specializing in the manufacture of optimizing cut-off saws. Since its establishment in the mid 1980s, the company has produced over 250 optimizing saws. The development and sophistication of these systems has closely followed the modern computer. Most of these past optimizers used operators to place crayon marks on lumber to locate the defects.



Ultimizer saw in 1985

Since about 1990, Ultimizers, Inc. has worked with vision scanning to replace the labor involved with marking. Many crayon systems require two or three persons per saw. The Ulti-Vision scanner today is designed to eliminate the grueling labor associated with crayon marking.

The Ulti-Vision System produced by Ultimizers Inc. is fast and easy to use and can operate unattended for extended runs. The system is so versatile that it will allow any wood that a customer might select to be integrated and still achieve consistently high production.

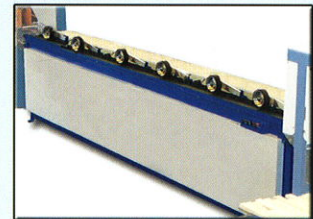
The Ulti-Vision System consists of three units: the "Ulti-Vision Scanner™", a "Smart Belt™" for controlled infeed and the "Duo-Drive™" Ultimizer High-Speed Cutoff Saw.



Ulti-Vision Scanner and Computer

Ulti-Vision™ will often out perform people placing crayon marks on lumber. Ultimizers has successfully placed scanners to cut hardwoods – maple, oak and cherry, and placed scanners on hemlock and pine to cut doors and window panels.

The **Smart Belt™** infeed system works in conjunction with the computer controller to provide consistent and controlled infeed to the saw for maximum production and faster return on investment.



Smart Belt

Our new **Duo-Drive™** High-Speed Cutoff Saw is the only saw in the world to have the patented top and bottom belt drive system. It offers many advantages over other cutoff saws including feed rates 50% greater than previous designs, 1200 fpm between cuts on long parts are common and ramp times to full speed rates that are measured in milliseconds. The top and bottom rubberized conveyor belts found exclusively on the Duo-Drive™ saw, provides exceptional grip that resists slippage. This results in much better accuracy than found in standard roll feed designs.



Duo-Drive Saw

The Ulti-Vision Optimizing System will save labor costs and improve yield in many plants- both large and small- and do it with faster feed rates than ever before.

Contact us for more information or quotes at...


ULTIMIZERS INC.
www.ultimizers.com



ULTIMIZERS INC.

28380 SE Stone Rd.
Boring, OR. 97009
(503) 663-7263
FAX (503) 663-5151
email: contact@ultimizers.com