JS-50 Z8
spec sheet

JoeScan

SUPER SNAPSHOT
END-DOGGER + SHORT-COUPLED LOGS

3 INCH LASER SPACING

PULSED LASERS x8

SIMPLE. RELIABLE.
COST-EFFECTIVE.

SINGLE CABLE CONNECTOR

2X
COVERAGE

NEXT-GEN SPEED
& RESOLUTION

MADE FOR
SAWMILLS

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MADE FOR SAWMILLS

	END-DOGGER	SHORT-COUPLED LOGS
Model Number	JS-50 Z8-30	JS-50 Z8-20
Near Resolution	+/- 0.03" (+/-0.8mm)	+/- 0.08" (+/-2.0mm)
Far Resolution	+/- 0.08" (+/-2.0mm)	+/- 0.1" (+/-2.5mm)
Near Density	34 points per inch	40 points per inch
Far Density	19 points per inch	29 points per inch
Max Speed	up to 222 scans per second	
Points per Profile	1456	

DATA

Traditional 6 INCH laser spacing
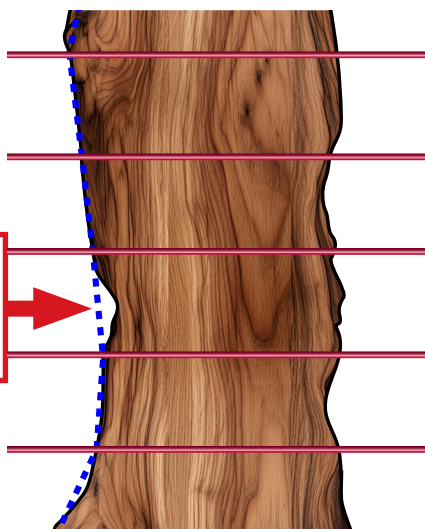
New 3 INCH Super Snapshot
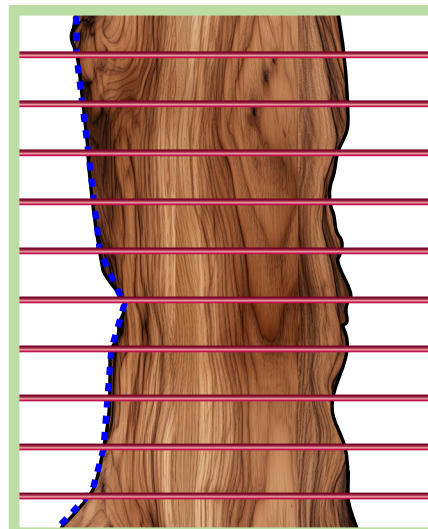
UNDETECTED WANE

Z8's industry best 3-inch laser spacing can see what other snapshot scanners can't.

It delivers fewer and smaller pockets of undetected wane from your primary breakdown, improving your recovery and value of boards produced downstream.

|	
Power	IEEE 802.3 af Power over Ethernet (13W)
Laser Type	Pulsed Class 3R (50mW)
Laser Color	Visible red
Computer	Shares Optimizer PC
Data Interface	Gigabit Ethernet, M12 connector
Weight	7 lbs (3.18 kg)
Operating Temp	0° to 120°F (-20° to 50℃)
Storage Temp	-40° to 176°F (-40° to 80℃)
Lighting	Fully operational between indoor lighting (no sunlight) and complete darkness

BOTH MODELS

JS-50 Z8 Applications

Super Snapshot Scanning

Designed specifically for applications where the log or board cannot be moved during scanning. Z8 doubles the density of true-snapshot scans, giving you twice as much information to make a good cutting decision.
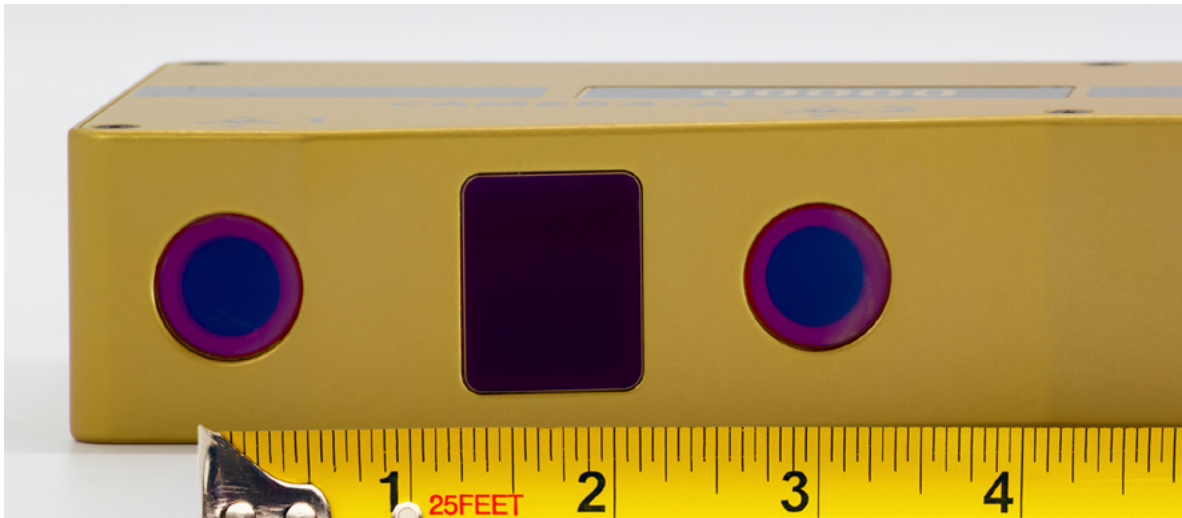
The 3 Inch Difference

✓ *Prevent undetected wane in your primary breakdown and improve the quality and value of your finished lumber.*

✓ *Scan entire lengths of logs or boards in just 3 inches of travel for multizone linear applications.*
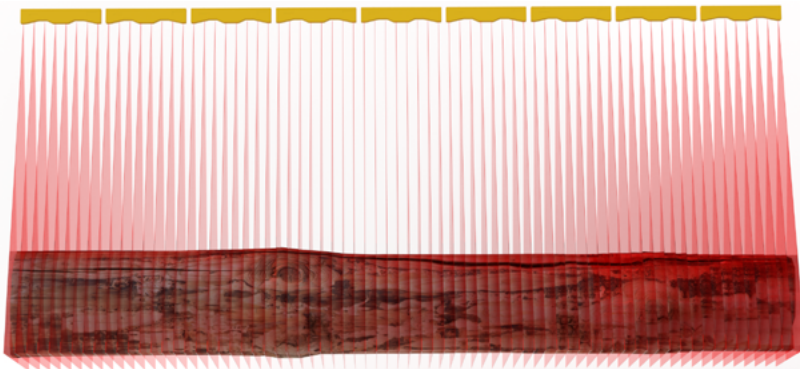
Available in two configurations:

End-dogger, C-frame
JS-50 Z8-30

*36" to 96" standoff
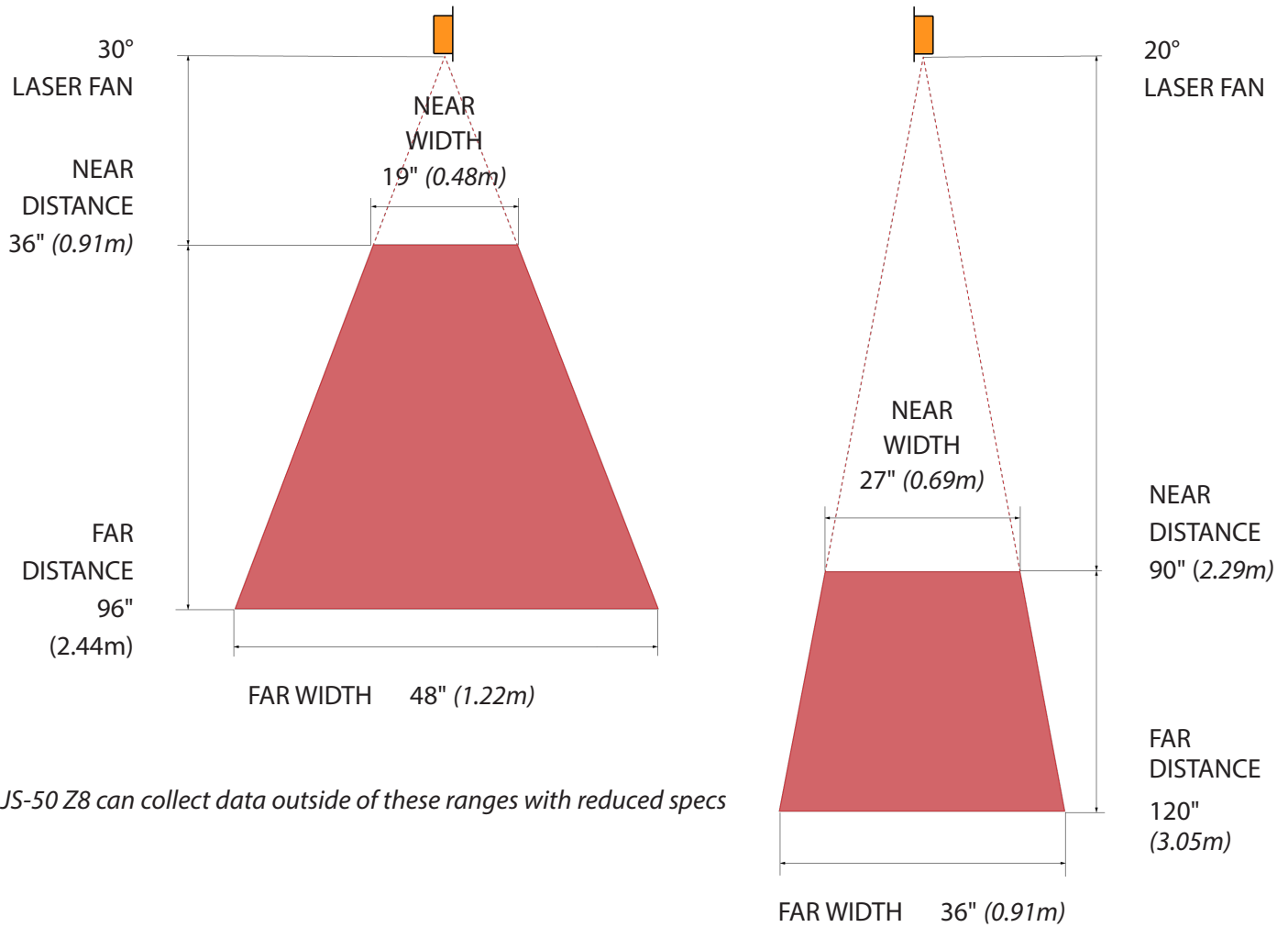(0.91m to 2.44m)*

Short-coupled Carriage
JS-50 Z8-20

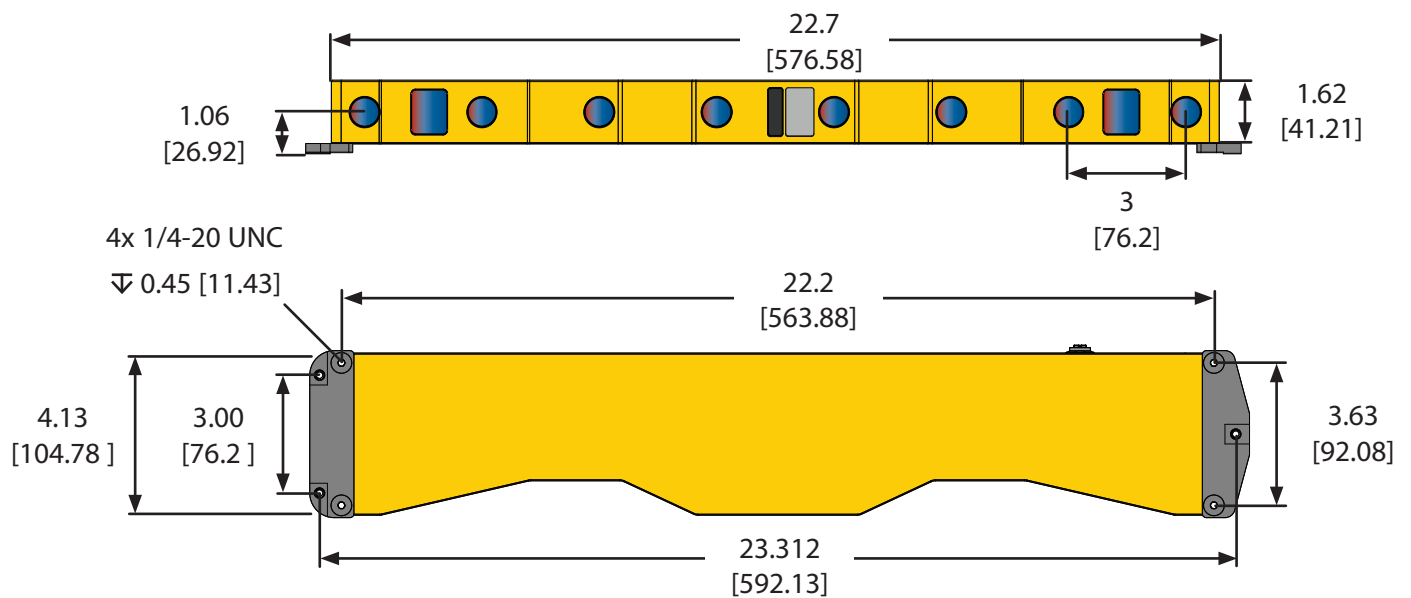*90" to 120" standoff
(2.29m to 3.05m)*

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30°
LASER FAN

NEAR
DISTANCE
36" (0.91m)

NEAR
WIDTH
19" (0.48m)

FAR
DISTANCE
96"
(2.44m)

FAR WIDTH   48" (1.22m)

JS-50 Z8 can collect data outside of these ranges with reduced specs

20°
LASER FAN

NEAR
WIDTH
27" (0.69m)

NEAR
DISTANCE
90" (2.29m)

FAR
DISTANCE
120"
(3.05m)

FAR WIDTH   36" (0.91m)

22.7
[576.58]

1.06
[26.92]

1.62
[41.21]

3
[76.2]

BOTH MODELS

4x 1/4-20 UNC
⤓ 0.45 [11.43]

22.2
[563.88]

4.13
[104.78]

3.00
[76.2]

3.63
[92.08]

23.312
[592.13]
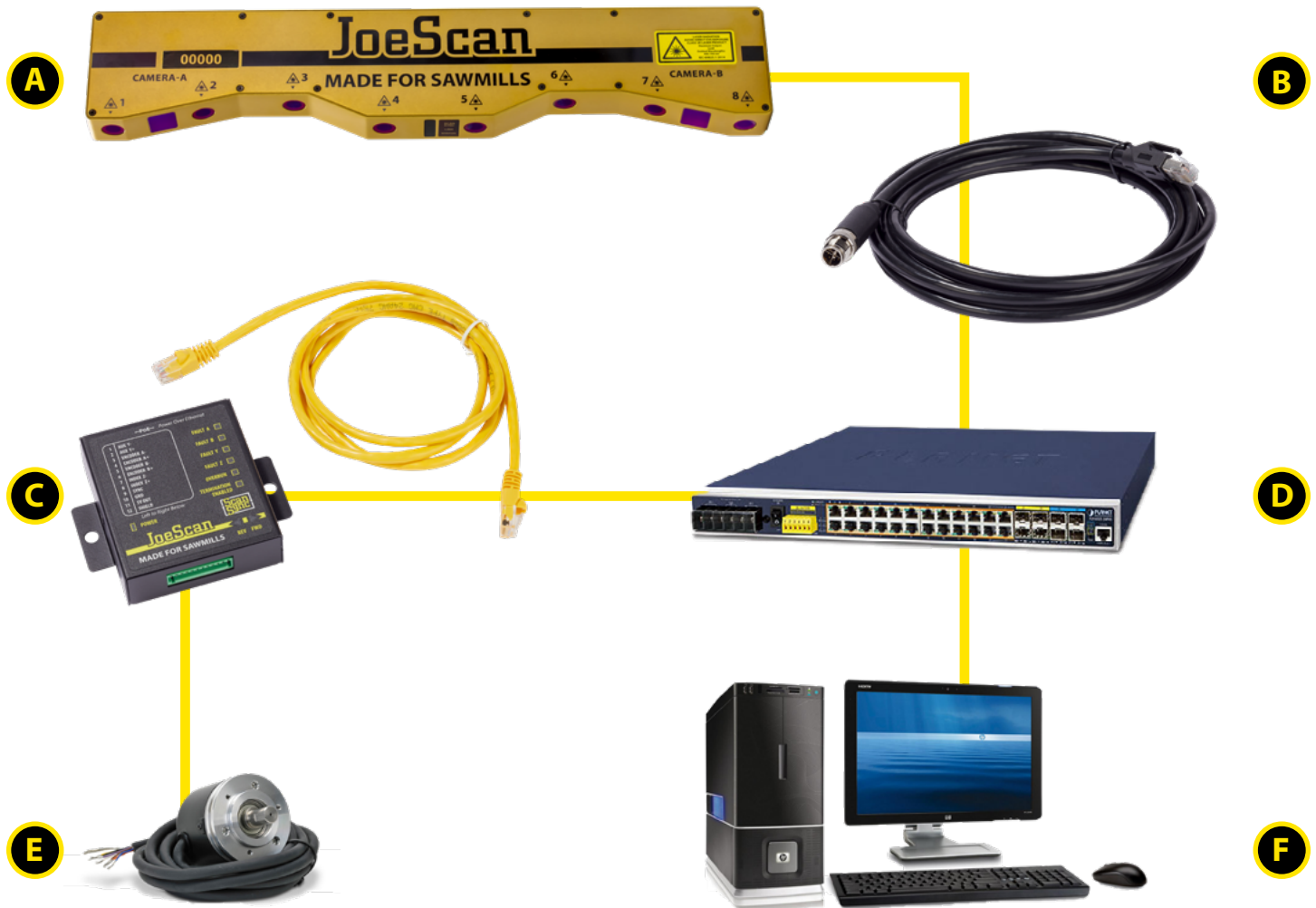
JoeScan

JS-50 Z8 System

Simplicity, Reliability, Performance

JS-50's unique sawmill-first features enable a robust and easy-to-use scanning system.
It's a great choice for both new equipment and optimizer upgrades.

A   JS-50 Z8 scan head
to **D** *PoE port with at least 13w*

C   ScanSync module & ethernet cable
to **D** *PoE port*

E   Quadrature encoder
with 5v output differential

PoE ethernet cable   **B**
M12 jack / Cat6e / RJ45

PoE ethernet switch   **D**
meets IEEE 802.3af-2003

Optimization PC   **F**
running MS Windows & Bonjour service

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5 YEAR WARRANTY
10 YEAR SUPPORT
LIFETIME COMMITMENT

At JoeScan, we make scanners for sawmills.

Our only focus is to deliver results for our sawmill partners. We have more than 5,000 scanners installed in sawmills all over the world, and our very first scanners are still running strong, over 20 years later.

Since 2002, we've learned what works for sawmills.

We keep our solutions simple.

We make sure that everything we make can stand up to the rigors of the sawmill environment, day after day, year after year.

And we work hard to deliver cost-effective scanning solutions for the sawmill industry.

Because we are committed to serving our partners, JoeScans are made for sawmills. If you'd like to become one of our partners, we are ready to prove it to you.

Let's chat.

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