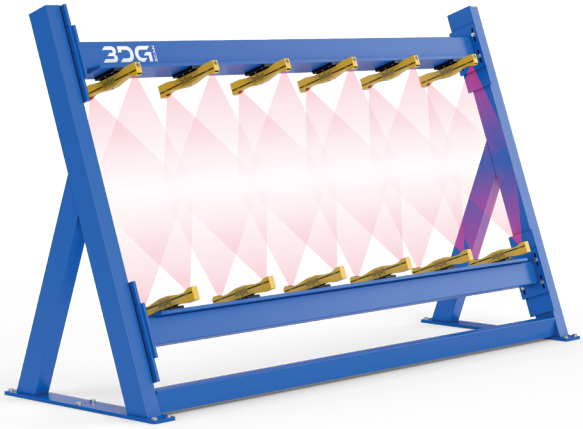
VERSATILE AND CONFIGURABLE SCANNER FOR YOUR SAWMILL

THE **3DG SCAN**, EQUIPPED WITH 4 TO 24 ULTRA-PRECISE CAMERAS, IS FULLY CONFIGURABLE AND MODULAR. IT IS DESIGNED TO INTEGRATE WITH YOUR EXISTING SYSTEMS WITH MINIMAL ADAPTATION, OPTIMIZING CUTTING EFFICIENCY AND ENSURING CONSISTENT SAWING QUALITY.



Images for illustrative purposes only.

MODULARITY

With its **modular and customizable** design, the 3DG Scan seamlessly integrates into your production environment. Our team also offers complete scanner **integration for a complete solution** for your production line.

SIMPLICITY

Designed for industrial environments, the **3DG Scan** is quick to calibrate and simple to operate. It is compatible with almost all industrial cutting systems, reducing training time, enhancing safety, and boosting productivity from the very first day of operation.

PRECISION

Equipped with **JoeScan** cameras proven in the sawmill industry, the **3DG Scan** guarantees consistent accuracy for every cut. The precision level can be configured according to operational needs and budget constraints, allowing optimization of line performance and improvement of return on investment.

PROFITABILITY

A **more affordable** scanner, designed without unnecessary extras, yet offering all the efficiency and scalability required to deliver real gains within the first weeks of use.

PROGRESSION

The **3DG Scan** team continues to develop new systems to meet different environments and budgets. Several new variants are currently in development and will soon expand the product range, including:

- Linear systems
- Top-mounted camera configurations
- Primary breakdown applications
- Carriage-mounted solutions
- Snapshot capture for existing edger systems

PRO-DG

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3DG SCAN – TL SERIES

The **3DG Scan TL Series** is designed for **transverse scanning with linear cutting**, enabling processing of boards, cants, and slabs simultaneously, even in mixed-flow production.

Equipped with **4 to 24 JoeScan cameras**, it can handle pieces **up to 24 feet long, 24 inches wide, and 24 inches high**.

Processing density is configurable, typically around 1/16" (≈ 2 mm), with a scanning rate reaching 2 000 profiles per second, depending on configuration and application.

It is particularly suited for secondary breakdown operations such as edgers, bull edgers, and canters.

TECHNICAL SPECIFICATIONS - TL SERIES

SPECIFICATION	VALUE
Technology	3D camera using laser triangulation
Laser type	Class 3R red laser (industrial compliant)
Reading head	Single or dual camera for improved scanning of wane areas
Typical accuracy	± 1 mm, suited for transverse sawing
Number of cameras	4 to 24 (depending on configuration)
Scan zone per camera	2 to 4 feet (depending on precision needs)
Total scan length	4 to 24 feet (combined cameras)
Acquisition rate	Up to 2 000 profiles per second (depends on setup)
Production speed	60 to 100 pieces per minute (depends on power and optimization)
Product types	Cants, boards, and slabs processed simultaneously
Typical applications	Suited for secondary breakdown
Operating temperature	10 °C to 45 °C (with tolerance for sawmill conditions)
Durability	IP65 rating, designed for dust and vibration
Communication	Ethernet TCP/IP, integration API, PLC compatibility (Allen-Bradley, Omron, etc.)
Statistics	Data accessible via local network, web interface (PC or tablet)
Reports	Automatic Excel or PDF report generation
Power supply	110 V or 240 V, single-phase, 15 A (depends on cooling type)
Safety	Conveyor interlock and Class 3R laser compliance
Maintenance	Quick and simple calibration
Technical support	Local assistance and remote support available