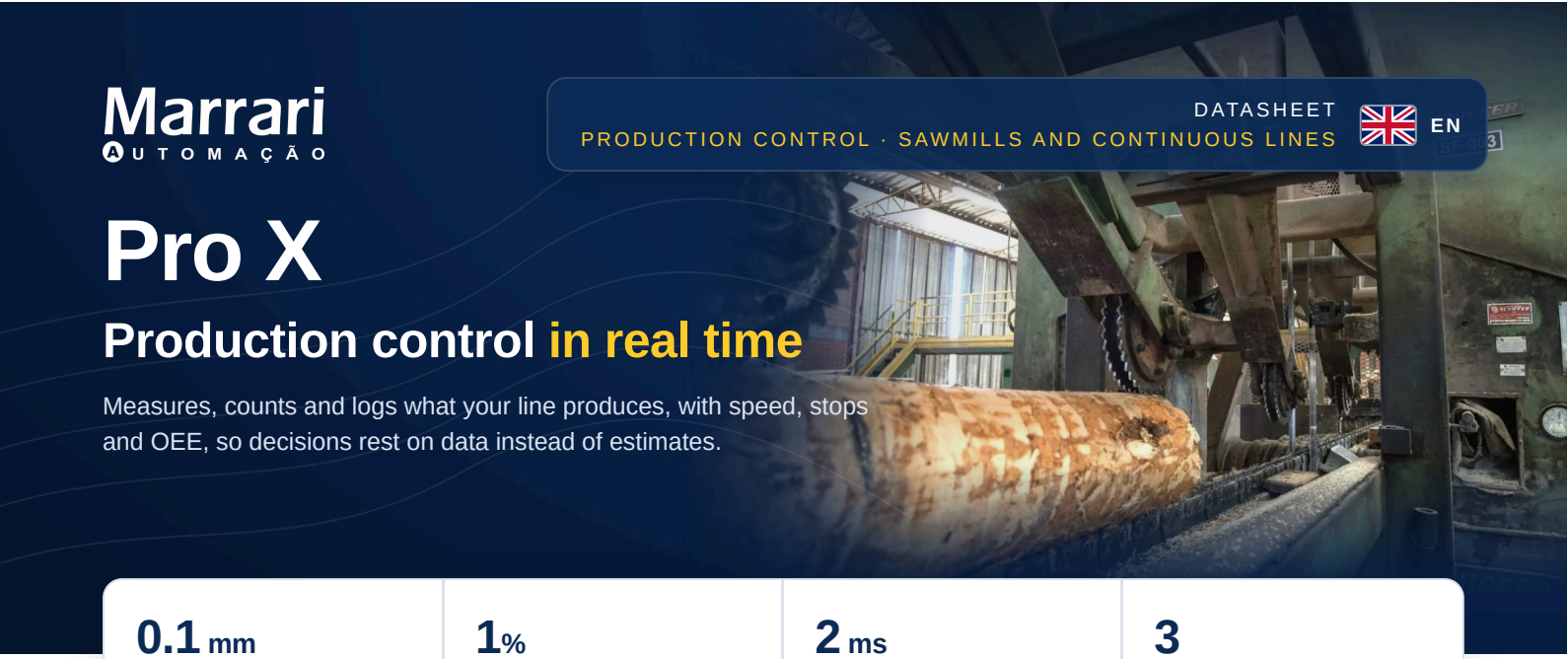
Marrari AUTOMAÇÃO

DATASHEET
PRODUCTION CONTROL · SAWMILLS AND CONTINUOUS LINES
EN

Pro X

Production control in real time

Measures, counts and logs what your line produces, with speed, stops and OEE, so decisions rest on data instead of estimates.



0.1 mm	1%	2 ms	3
sensor resolution	laser sensor accuracy	response time	system models

01 WHY USE IT

Know how much your line really produces.

Measured output
Pieces, linear metres and volume per shift, per batch and per period.

Logged stops
Duration and reason for each stop, to tackle what costs the most.

OEE and Andon
Efficiency indicator and line signalling so the team can act right away.

02 HOW IT WORKS

Laser distance sensors measure the length, width and thickness of each piece, and an **encoder** measures line speed. The central unit calculates output and logs batch and stop history.

1. **Sensors** — Laser distance · encoder
   — Dimensions and speed —
2. **Central unit** — PLC and HMI · calculations
   — RS232/RS485 proprietary TCP —
3. **Data software** — SV-430 · reports and OEE
   — Reports history —
4. **Plant management** — Andon, ERP or spreadsheets

Laser sensors measure each piece and the encoder measures line speed. The central unit counts, measures and logs every batch and every stop.

MODELS

One system for each line

Choose by what you need to measure:

- BASIC: piece and linear-metre count
- CARRO: sawmill log carriage
- STANDARD: logs and boards on continuous lines
- All with history, stops and OEE

03 DATA AND SPECIFICATIONS



Data

Dimensions	Length · width · thickness
Pace	Speed m/min · pieces per minute
Output	Totals · batches · history
Efficiency	Stops · OEE · Andon

Sensors

Laser distance	Range 50 to 650 mm · 0.1 mm resolution · 1% accuracy · 2 ms response
Encoder	2 channels · 250 pulses per turn

04 MODELS, COMMUNICATION AND SERVICES

BASIC
Counting
Counts pieces and linear metres, for lines that need output per shift.

STANDARD
Logs and boards
Measures dimensions and volume on continuous log and board lines.

CARRO
Log carriage
Tracks output on the headrig carriage, cut by cut.

Communication
RS232 and RS485
Proprietary Free Port and TCP protocol, with the SV-430 software.

Yearly maintenance
Performed by Marrari
Software update and check against Marrari standards, once a year.

Warranty
6 months
Made in Brazil, with support and training from the after-sales team: posvendas@marrari.com.br.

General specifications

Application	Sawmills and continuous lines	Power supply	95 to 240 Vac, 50/60 Hz · 200 W
Models	BASIC, STANDARD and CARRO	Temperature	Up to 50 °C
Measurement	Laser distance and encoder	Ports	RS232 · RS485
Laser range	50 to 650 mm	Protocols	Proprietary Free Port and TCP
Resolution	0.1 mm	Software	SV-430