X FOAM — CATCH FOAM BEFORE IT REACHES THE EDGE

X Foam watches the surface of a tank and measures how much of it is foam, how close that foam is to the lip, and which way it is heading. It runs on the tank and writes to Modbus registers. Your PLC stays in charge of the tank and decides what to do with the numbers.

WHAT IT MEASURES

Surface coverage

Continuous 0 to 100 percent foam cover.

Edge proximity

How close the foam front is to the overflow lip.

Trend

Direction and rate: rising toward the edge, or settling back.

Advisory dose

A recommended antifoam dose, written as a number for the PLC to accept or ignore.

WHAT A CONTROLS ENGINEER NEEDS TO SCOPE IT

MEASURES	Foam surface coverage (0–100%), edge proximity, trend
OUTPUT	Modbus TCP holding registers (4–20 mA optional)
READING	How much of the surface is foam, measured continuously on the device
CONTROL	Advisory only; the PLC keeps every interlock
COMPUTE	On-device at the edge, no cloud and no GPU rack
NETWORK	Power and a network drop; offline-capable, nothing leaves site
MOUNTING	Self-contained camera, fixed over the tank
RELOCATION	Moves between tanks in minutes; no routine maintenance

QUESTIONS

Does it need cloud connectivity?

Not to run. Commissioning takes a few hours with one of our engineers either on site or connected remotely, to aim the camera and calibrate it against your foam. After that X Foam runs on the device and can be left fully offline. Nothing leaves site.

Does X Foam control the dosing pump?

No. It advises an antifoam dose and reports the numbers behind it. Your PLC keeps every interlock and decides whether to act. The camera measures; the control system actuates.

Can one camera cover more than one tank?

One at a time. Each install covers the tank it is mounted over. Moving the camera to another tank takes minutes, so one instrument can follow the tank that is foaming.

Talk to an engineer: support@xvisiontechnologies.com · www.xvisiontechnologies.com

Patent pending on the instrumentation (Australian application filed December 2025).