

X FLOAT — A FROTH CAMERA TRAINED ON YOUR CELL

X Float measures the froth on a flotation cell, more than a dozen numbers, and writes them to Modbus registers your control system reads. The model is fitted to the cell it looks at. It goes up in an afternoon, with no shutdown.

WHAT IT MEASURES

Bubble size	Froth velocity
The size of the bubbles carrying your concentrate.	How fast the froth is moving, and which way.
Stability	Texture
How long the froth holds before it collapses.	The coarseness and structure of the surface.
Depth	Colour
The froth as a surface with depth, rather than a flat picture of one.	One input among many.
Process state	Dosing guidance
The froth classified into the operating regimes the metallurgist already names.	Site-calibrated reagent advice for the operator to act on.

WHAT A CONTROLS ENGINEER NEEDS TO SCOPE IT

MEASURES	Over a dozen physical froth characteristics, plus process state
OUTPUT	Modbus TCP holding registers (4-20 mA optional)
READING	A number you can check against the frame it came from
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 launder
INSTALL	Minutes to mount, hours to commission, no process shutdown
RELOCATION	Unbolts and moves to another cell; 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 froth. After that X Float runs on the device and can be left fully offline. Nothing leaves site.

How is it installed?

It is a self-contained camera that mounts over the launder in minutes and commissions in hours, with no process shutdown. It needs no routine maintenance, and it can be unbolted and moved to another cell.

Does X Float use AI?

Yes, where it earns its place. Most of what X Float reports is measured from the picture, so a metallurgist who asks why a number moved gets an answer rather than a shrug. Where learning is used it is trained on your own cell, and the site-calibrated parts are fitted against your own assays. How the measurement is built is in the specification your integrator gets.