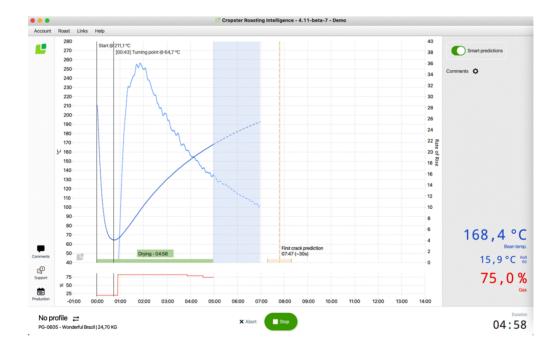# Predictive Roasting - Now including the Flick!

Flick prediction joins Bean Curve prediction and First Crack prediction in our latest release! Cropster's Roasting Intelligence now tells roasters if a flick is approaching, so they can take corrective action in time. This is another huge leap forward based on artificial intelligence (AI) that will make roaster's lives easier and their roasts more consistent. Roasting Intelligence can now tell roasters where their bean temp is heading, when first crack will happen and if trouble is around the corner! With Roasting Intelligence in place, every commercial roast machine just got a lot smarter!

Flick prediction joins Bean curve prediction and First crack prediction to deliver huge benefits like:

- Improved quality and consistency → happier customers
- Simpler training of staff when people 'roast ahead of the curve'
- Better ROI on green coffee investment
- Fewer mistakes and undesired roasty flavors
- Less batches to get to your perfect profile
- More control over the roasting process and outcomes
- Less time and cost to dial in new equipment

Wow! Tell me more!

Scott Rao wrote the book on coffee roasting and has been teaching about the flick for years. He wrote an excellent blog post on "the flick" in 2015 and recently updated it for 2021 with all sorts of new information. Here's what Scott has to say about the flick:

"The flick may also mislead roasters in their understanding of how development time ratio (DTR) affects coffee flavor. Many roasters have told me that higher DTRs (i.e. 20% - 25%) produce roasty flavors (relative to bean color). But there is, in fact, a modest correlation between DTR and roastiness; every time one of those roasters showed me their ROR curves from the high-DTR roasts, their RORs contained flicks. The flicks, I believe, not the high DTRs, were the causes of the roasted flavors. All of the roasters who were open-minded enough to accept a range of DTRs while learning to smooth their RORs eventually found the roasted notes disappeared and their coffee was sweeter than it had been before."

-Scott Rao

You can add Predictive Roasting to any commercial roast machine. It will literally make your roast machine smarter. That means simpler and less risky roasting for everyone from experienced roasters through new recruits. It's a serious game changer.

Want to learn more about Predictive Roasting or Flick prediction? We'd be happy to show you.

Book a demo with a Cropster expert!

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