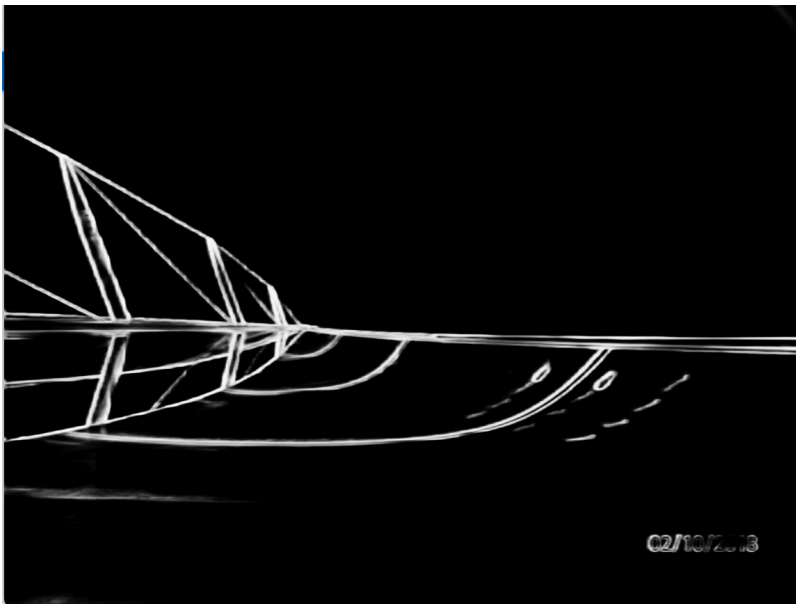Friday, April 11, 2025

# Offline Auto Scan instructions

## Instructions on how to use Auto-Scan

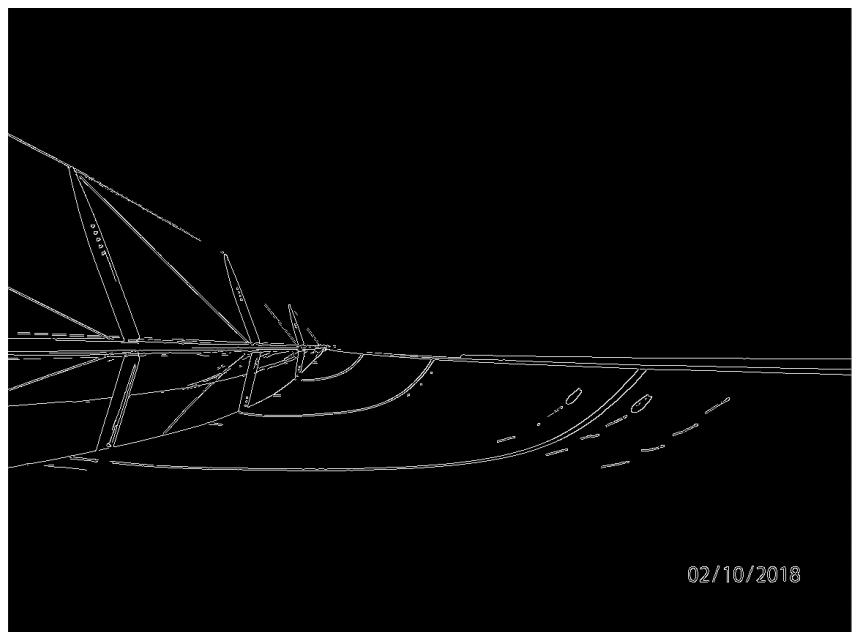For Auto Scan to function you need a internet connection.

The reason for this is that the image needs to be processed through the engine on the server.

In the future we will be adding AI to the model to process images and improve edge recognition.
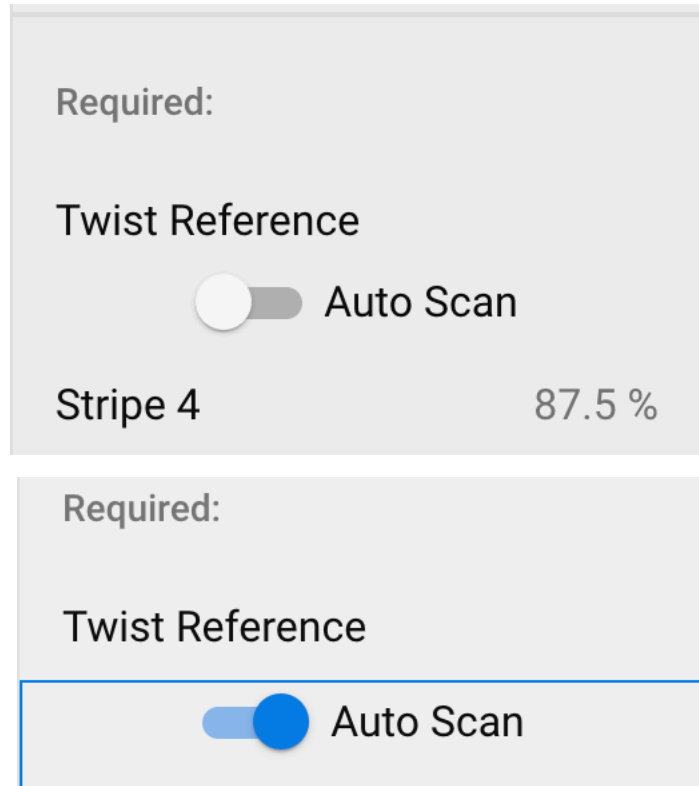


Here are some screenshots of Canny vs HED edge detection methods.

For Canny, you'll notice that where edges are detected, it's done well. The issue is that shadows, or runners in the frame can break the edge detection, and it would be difficult to allow for parameter adjustment without being a very difficult user experience. HED on the other hand does a good job of picking up stripes (runners could again confuse the issue, though).
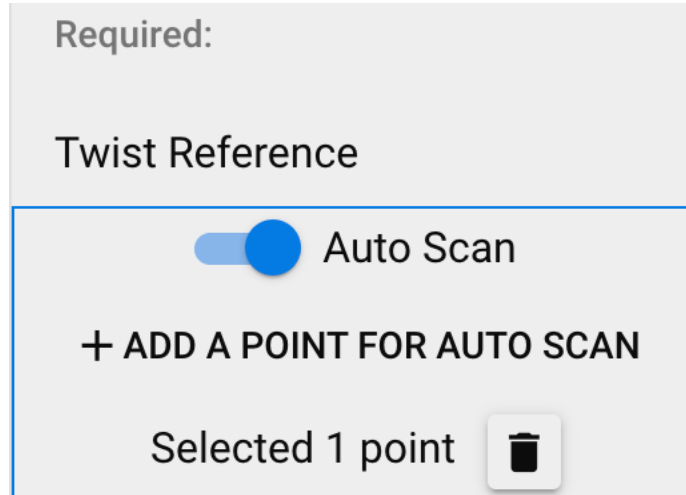
# Onboard Scene

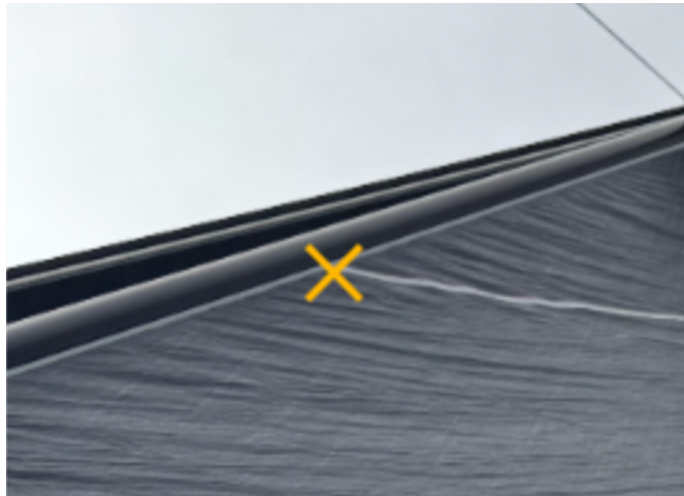1. Click on Stripe number. The Auto scan toggle switch is showed. Slide to activate

Required:

Twist Reference

⬜ Auto Scan

Stripe 4                    87.5 %
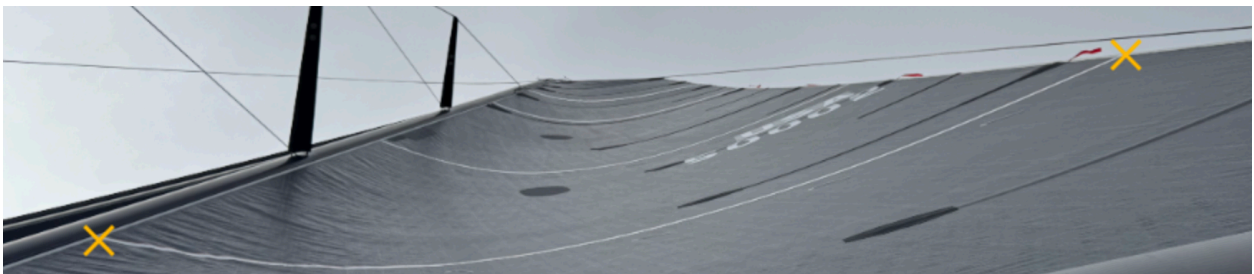
Required:

Twist Reference

🔵 Auto Scan

2.  Click on "+ ADD A POINT FOR AUTO SCAN"



3.  Mouse over to the beginning of the stripe (Luff) and click


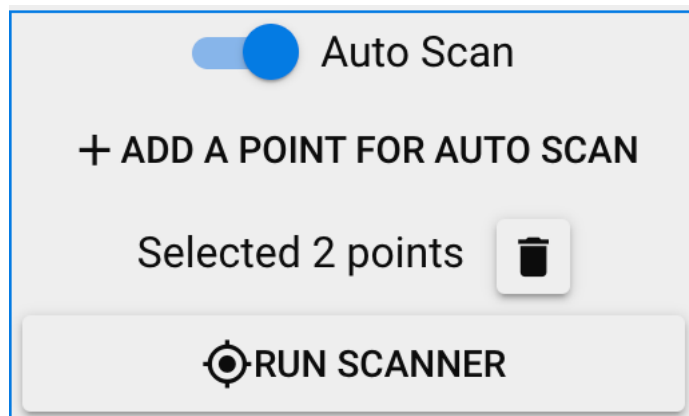
4.  Mouse over to the end of the stripe (Leach) and click



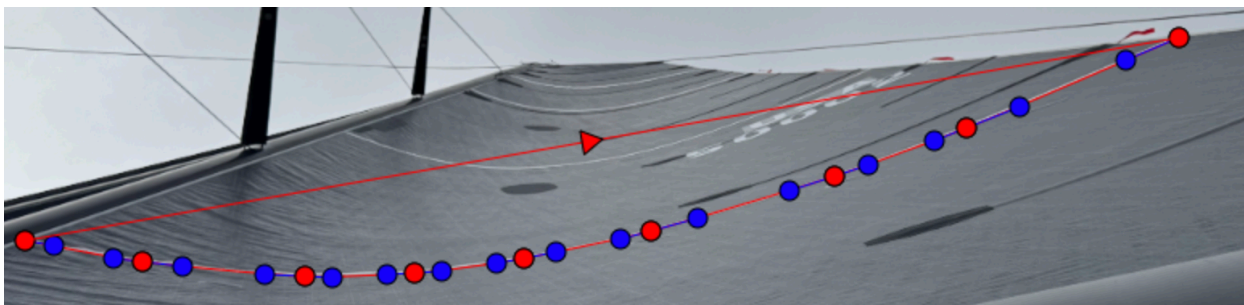NOTE: IF YOU MAKE A MISTAKE CLICK THE TRASH CAN TO DELETE AND START AGAIN

5.  Click "RUN                                                                SCANNER



6.  The scanner will execute and the results will show on the stripe.



7.  To adjust or add & delete points. Turn off Auto-scan, then  click on the move button and adjust as before
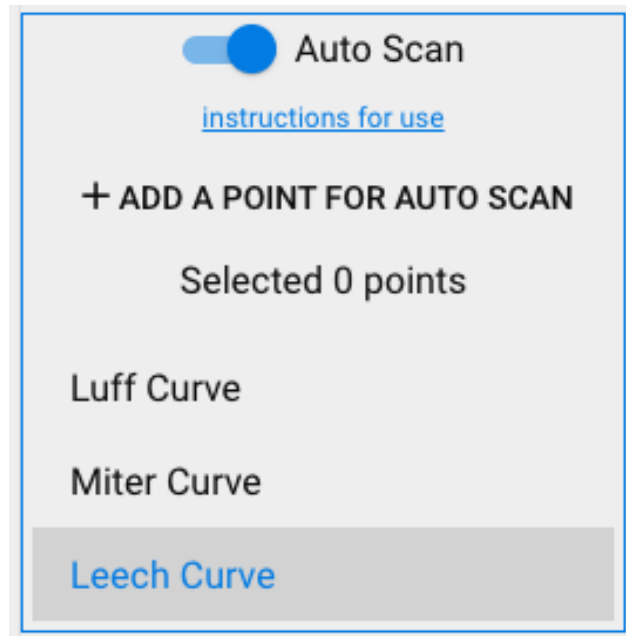


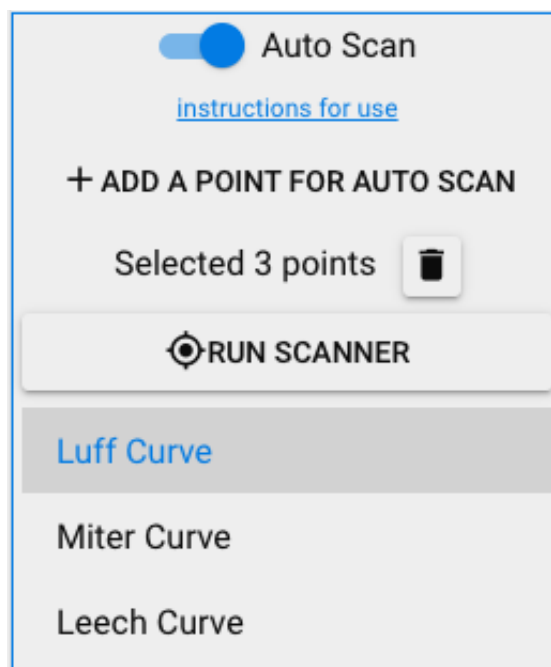8.  Move onto the next stripe and repeat

# Other Scenes

**Chase Sail - Upwind  Chase Sail - Downwind   Mast Bend - Fore/Aft   Mast Bend - Lateral**

1. Click on Curve. The Auto scan toggle switch is showed. Slide to activate
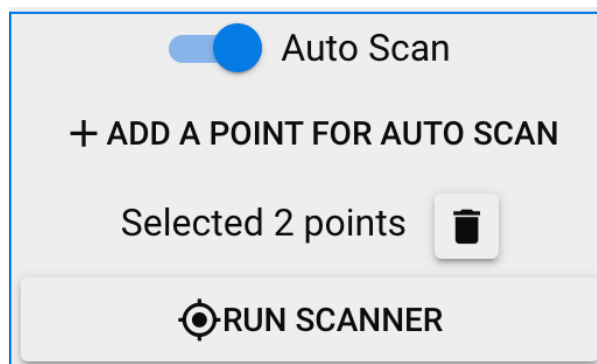


2. Click on "+ ADD A POINT FOR AUTO SCAN"

3.  Mouse over to the beginning of the curve and click

4.  Mouse over to the end of the curve and click



NOTE: IF YOU MAKE A MISTAKE CLICK THE TRASH CAN TO DELETE AND START AGAIN

5.  Click "RUN SCANNER

6. The scanner will execute and the results will show on the strip



7. To adjust points click on the move button and adjust as before



8. Move onto the next stripe and repeat

Note: Auto-scan is not available on Rake & Heel scene's