PRODON



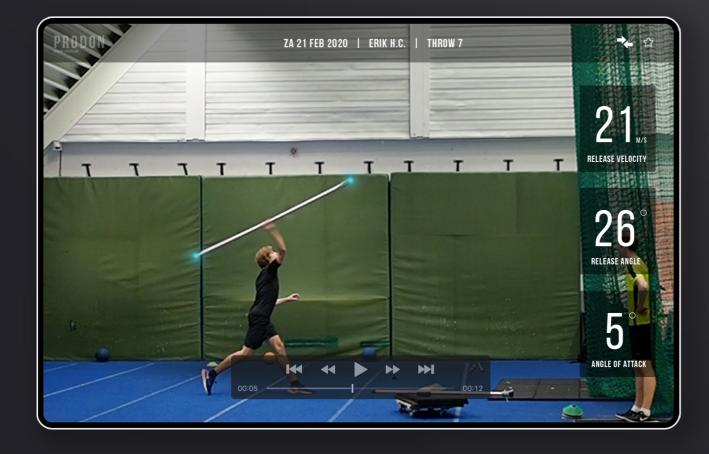


During the summer, when throwing a javelin, athletes and coaches get a lot of performance feedback from the flight behavior and the throwing distance. When training moves indoors in the winter, this feedback is lost as the javelin is thrown in a net a few meters away. The PRODON provides performance feedback during indoor training to make the training more effective in the winter.

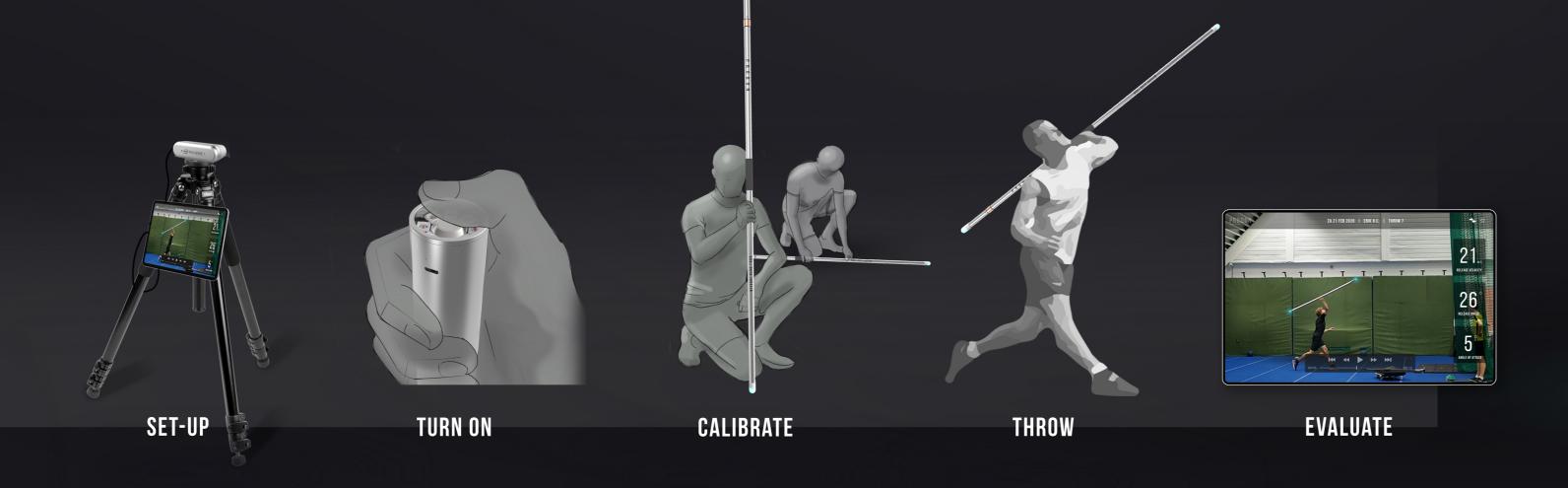
TRACKING

The PRODON uses a combined tracking system of an Inertial Measurement Unit with active marker stereo video tracking. Combining these two technologies makes for accurate and reliable tracking. It can track the markers at a rate of 90 times per second.

PERFORMANCE FEEDBACK



The PRODON shows the recorded video of the throw, which can be used to analyze the technique of the athlete. The tracking system measures the release velocity, release angle, and angle of attack, which determine the performance of the throw the most. On the side of the video, these parameters are shown.



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