brains

AI-Powered
Manual Assembly Analysis

Video Analytics Solution for analyzing and visualizing manual labor to optimize efficiency and quality at your manufacturing site.

Market leader for 3 consecutive years! **No.1**

Your Anomaly Detection Solution

Impulse

Impulse is an anomaly detection solution released ahead of the market in 2014. Designed for rapid implementation and ease of use, its best-in-class machine learning technology has been refined through extensive real-world use by a broad range of manufacturers.

KDDI KDDI Thailand
KDDI (Thailand) LTD.
sales@kddi.co.th
+66-2-075-8888

Is Your Operation Struggling with Any of These Issues?

1 Time-Consuming Work Analysis That Fails to Generate Solutions

2 Difficult to Detect and Reduce Human Errors

3 Overloaded Workers & Safety Concerns

╲ Impulse Helps Solve These Challenges! ╱

Comparison of time required by worker and task, and processes make it easy to identify bottlenecks.

Efficient time and quality analysis is possible by automated task segmentation.

Capture worker movement, range of motion, posture, load, etc., to reduce risk at workshop.

Solutions

Performance Measurement Cost Reduction

✓ Reduce manual stopwatch measurements and tabulation costs.

Benefits Eliminating 10 hours of labor per month over a 3-year period can save up to **$40,000!**

Workshop Inspection Cost Reduction

✓ The time required for inspection rounds by manufacturing site supervisors can be greatly reduced.

Benefits Eliminating 2 hours per day spent on inspection rounds over three years can save up to **$150,000!**
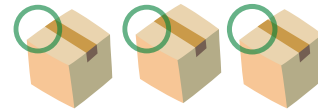
Cost Savings Through Assembly Process Optimization

✓ Reduce cycle time by getting rid of the poka-yoke mechanism.

Benefits A 1.0% improvement in work efficiency can save up to **$100,000 over three years!**

Production Quality Improvement. Defective Product Outflow Prevention.

✓ Consistent quality due to work standardization also prevents defective products caused by human error.

Benefits Lowering the rate of defects caused by human error **reduces the risk of warranties and recall.**

※These calculations are only approximations and do not guarantee the system's effectiveness after implementation.

Why Impulse?

1 Battle-Tested Algorithms

The accuracy of our algorithms has been refined through numerous real-world deployments in the most demanding conditions imaginable.

2 All-In-One Solution

Impulse is an all-in-one analysis solution, including recording, model training, inference, and dashboard. No other software or tools are required.

3 Comprehensive Support

Our engineers provide continuous support for tricky details like camera installation, accuracy tuning, and daily operation.

Contact us for a free consultation with our experts.

Brains Technology, Inc.

Shinagawa Center Building 4F, 3-23-17 Takanawa, Minato-ku, Tokyo 108-0074, Japan

Tel. +81-3-6455-7023   E-mail. info@brains-tech.co.jp

https://www.brains-tech.co.jp/impulse/

Impulse Official Website