Vision Intelligence

NO SENSOR   NO SENSOR   NO SENSOR

Back Panel Assembly (1 / 2)

Operation Type	Step Progress	Status	Action
Place VIOLET row	00:00:02 of 00:00:05	In Progress	Override
Install Back Plate	00:00:00 of 00:00:00	Pending	Override
Screw-in Backplate Fastenings 001	00:00:00 of 00:00:02	Pending	START Finish
Backplate Fixed	00:00:00 of 00:00:03	Pending	Override
Attach USB-C Lead	00:00:00 of 00:00:04	Pending	Override

Composite T : 42.6 C
Crane: Not engaged
Route: 5 MSPK3DR
Tool: Wheel press
Step: 3 Consolidating
Lock: Engaged
State: OK

Completed Time :   Start date   End date   Search   Reset

Job   20   Average   31min11s

Average completion

r13min20s
s56min40s
1h40min
s23min20s
h6min40s
50min
33min20s
16min40s
0
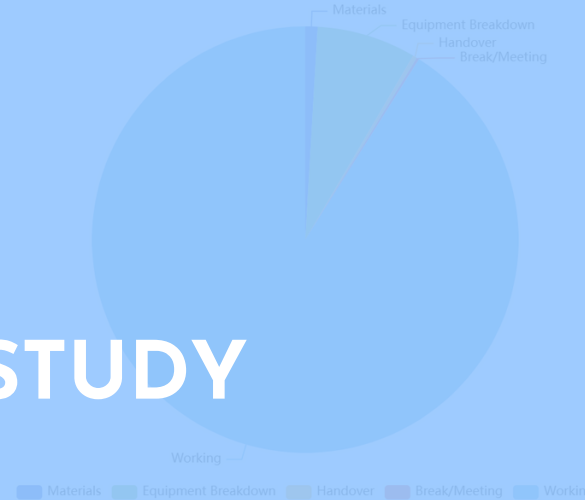2023-09-05   2023-07-17   2023-07-04   2023-05-23   2023-02-23

Job Activity

Materials
Equipment Breakdown
Handover
Break/Meeting

Working

Materials   Equipment Breakdown   Handover   Break/Meeting   Working

PRODUCT SHEET
TIME & MOTION STUDY

VISION INTELLIGENCE

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TIMO by VISION INTELLIGENCE

For decades researchers and industrial engineers have engaged in Time and Motion Studies. However, with a manual approach – the process has to be planned in advance. The individual marking the activity is typically inaccurate due to fatigue and distractions and their presence impacts behavior. Then you must consider the costs. It's no wonder this valuable process is under-utilized.

Vision Intelligence can start your journey with TIMO. It is a device that provides the ability to codify video as well as numerous sensors – heat, pressure, particle, or light. With little effort, the user defines the motions, state, and quality the system is to codify. Data can be stored in user selected data storage and analytic tools.

TIMO is the first step in VIOLET AI, a smart and robust platform was originally designed to codify anything visual as well numerous sensors. Consider particles, temperature, timers, light, torque, etc. and how they impact the quality of a process. Once baselines are measured, goals can be established. This system can be extended to guide your staff through processes, to identify safety concerns, to create comprehensive management reporting, and to analyze for prediction and improvement.

How to improve and identify problems?

Improving established processes is no easy task, especially when it comes to a real environment which primary focus is getting the job done. Still, for any successful business improvement is paramount, and achieving it means putting on detective shoes and start identifying and measuring precisely what needs to change. In that sense, a time and motion study can be an invaluable tool, as it can provide much needed insight into workers' activities, accuracy, ergonomics, time of each job and even doing a root cause analysis.

Take a 20 station manufacturing line that runs 3 shifts – It would take 1440 manhours. If your industrial engineer is paid only $50 per hour, you will spend roughly $72,000 just to collect the data. It then needs to be entered into a database. It's no wonder this valuable tool is under-utilized.

Cost of Time and Motion Studies

20 stations x 3 shifts = 1440 manhours

1440 manhours x 50$/manhour = **72.000$**

At Vision Intelligence, we are on a mission to make time and motion study easy to implement, affordably done, and above all ethically conducted.

VISION INTELLIGENCE

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What is VIOLET AI?

Violet is a standalone device containing a camera, a processor, and a bus to connect sensors (onboard or via API) as well as client interaction devices.

Edge processing enables real-time interaction with the data whether with individuals, software or interlock systems. Self-contained mobility provides autonomy.

With the help of the Nvidia processor it can detect any defect or errors in the production process, missed steps/parts and/or misalignment and suggests corrective actions in real-time.

Deploying VIOLET AI is like having a quality control engineer, a compliance specialist and a trainer at every station on the factory floor.

*- Andrew Goodier, COO
Dunlop Aircraft Tyres UK*

Why use VIOLET AI?

Capable of both Edge and Cloud processing, which augments human capabilities by providing a real-time feedback, control, reporting, alerts and assists in worker's training.

This distributed processing approach also reduces total costs but more importantly supports on premise, public and private Cloud implementations. Data can be stored in the structure of your choice.

There is no **time** like the present. Take advantage of our introductory pricing

Cost of TIMO

Unlimited data collection for time and motion studies for just
1.000$ per month

Value like no other

24 hours x 365 days = 8760 manhours
8760 manhours x 50$/manhour = **438.000$**

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TIME AND MOTION STUDY

by

VISION INTELLIGENCE

UNLIMITED DATA COLLECTION
FOR JUST 1.000$ / MONTH

SUPERCHARGE PRODUCTIVITY

REDUCE WASTE/ENERGY

TRANSFORM COMPLIANCE

IMPROVE ACCURACY

Contact Us

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