

JTEKT's **Machine Cycle Recorder**

want to
**Eliminate
Frequent
Machine Stop**

want to
**Solve
Troubles
ASAP**

want to
**Reduce
Maintenance
Man-hours**

A large, dark grey downward-pointing arrow indicating a flow from the three boxes above to the final result.

Realizes **“Operational Availability Improvement”!**

Key points of Machine Cycle Recorder

Machine Cycle Recorder Built-in Type



Machine Cycle Recorder Portable Box



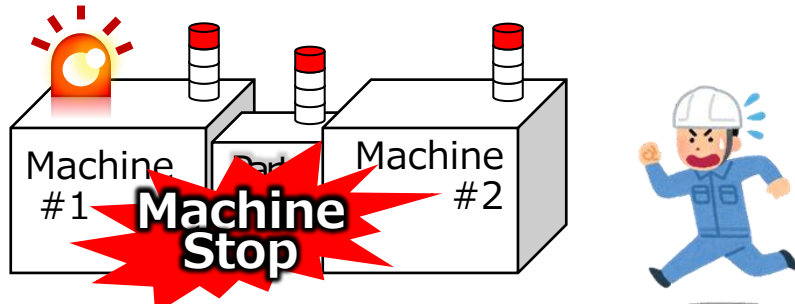
**Synchronous Recording Mechanical
and Electrical of Machine**

**Abnormal state
Visualization**

Easy Installation

Synchronous Recording / Abnormal state visualization

Before addition



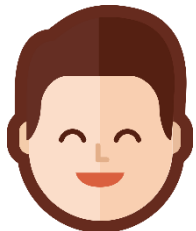
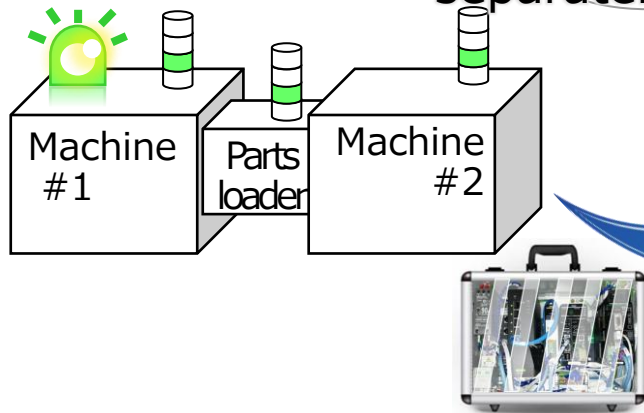
Operation history investigation

Machine Condition investigation



- Investigate Ladder logic, Mechanical part, and operation history separately

After addition



Synchronous Recording of Machine Status before and after abnormality occurs

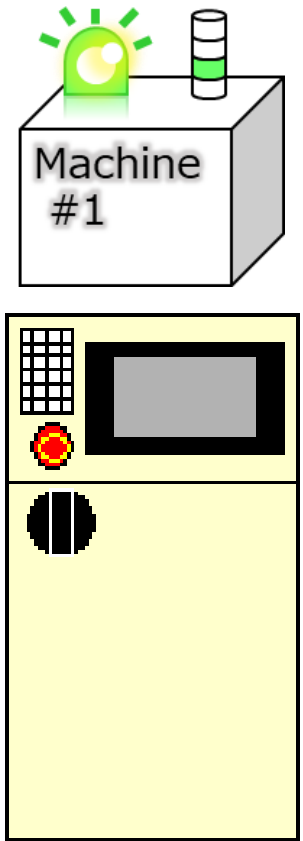
Early Analysis due to 4 Visualizations

Time	Date	Time	Mode	Operator	Event
10023	2026/11/10	15:18:52	O	P	MANU
10024	2026/11/10	15:18:57	O	P	MANU
10025	2026/11/10	15:18:57	O	P	MANU
10026	2026/11/10	15:18:58	O	P	MANU
10027	2026/11/10	15:18:58	O	P	MANU
10028	2026/11/10	15:19:27	P	P	MANU
10029	2026/11/10	15:19:31	P	P	MANU
10030	2026/11/10	15:19:34	P	P	MANU
10031	2026/11/10	15:19:35	O	P	MANU
10032	2026/11/10	15:19:42	P	P	MANU
10033	2026/11/10	15:19:45	P	P	MANU
10034	2026/11/10	15:19:54	M	P	MANU
10035	2026/11/10	15:20:06	P	P	MANU
10036	2026/11/10	15:20:09	P	P	MANU
10037	2026/11/10	15:20:10	O	P	MANU
10038	2026/11/10	15:20:22	O	P	MANU
10040	2026/11/10	15:20:22	O	P	MANU

Synchronous Recording of 4 Information

Improved Operational Availability Due to Early Analysis and Elimination of Machine Stop

Machine Cycle Recorder Portable Box



• Existing Machines, even old PLC can be connected

*Wi-Fi router, tablet-computer/smartphone, and USB camera are optional

Machine Cycle Recorder Built-in Type



• Can be added onto TOYOPUC®-Nano10GX

*Requires at least 2 empty slots

サイクルレコーダー Machine Cycle Recorder

サイクルレコーダーは設備の異常発生前後の見える化を実現します。
サイクルレコーダーの導入で異常の原因究明にかかる保全工数を削減し
頻発停止を撲滅
ポータブルサイクルレコーダーBOXは、既存の設備に簡単に導入可能
頻発停止や、異常の原因究明にかかる保全工数でお困りでしたら
ぜひサイクルレコーダーの導入をご検討ください。

Machine cycle recorder realizes visualization before and after the occurrence of an abnormality in machine equipment.

**By installing Machine cycle recorder, Can reduce the maintenance man-hours required to investigate the cause of an abnormality,
Then eliminate frequent Machine stoppages.**

Machine cycle recorder portable BOX can be easily installed in existing Machine facilities.

**If having trouble with frequent Machine stoppages or maintenance man-hours required to investigate the cause of anomalies
Please consider installing Machine cycle recorder.**