

## JTEKT's Old PLC Renewal Kit

**Renewal  
On  
Sat and Sun**

**Want to  
Use Latest  
Functions  
Even with existing  
Machine**

**DON'T Want  
Long Time  
Machine Stop**

Realizes **“ Long-term effective use of Machine”!**

## Key points of Old PLC Renewal Kit



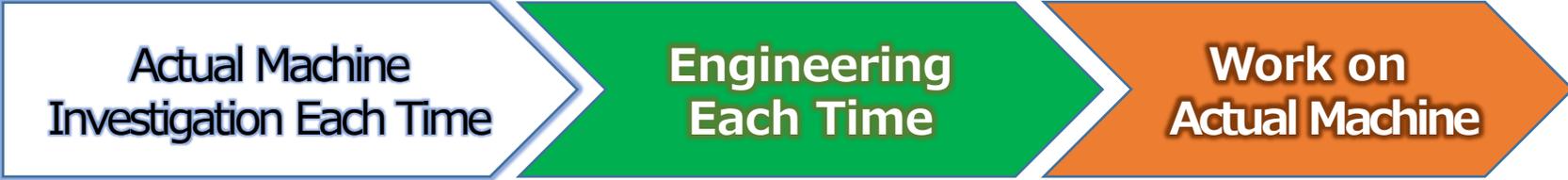
### Reduction of man-hours by Complete Kit

Kit Contents: PLC main unit, Conversion terminal block, Conversion work/software, Mounting bracket, etc.

### Adoption of the latest equipment Latest functions can be used

No need to worry about  
Maintenance parts  
Improved maintainability

## Process until completion of PLC renewal work



*Use everything that can be diverted from the existing machine!*

**Use Old PLC room for New PLC**  
**And divert following Items.**

- Cable
- Program
- Parameter

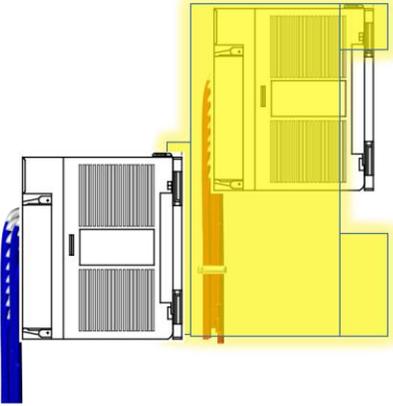


**Shorten lead time**

Minimal Investigation

**Automatic Program Conversion**

**Diversion of Existing Wiring on Machine**



**Diversion of Existing Wiring on Machine**

**Easy Replace and install, No Engineering Design required, Renewal possible on Sat and Sun!**

Adoption of the latest equipment Latest functions can be used

# Forecast the future

Grasp expectancy signs of failure and life by adopting Edge Computer



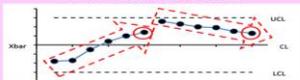
**Judgment /Extraction /Processing**

**Graphing**

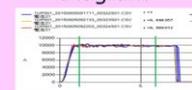
Judge if threshold has been exceeded



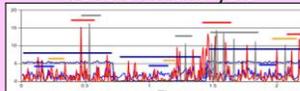
$\bar{x}$ -R control chart



Waveform Correlation Diagram



Fast Fourier Transform analysis



# Track the past

**Machine Cycle Recorder Function**  
(Like Drive or Flight Recorder of Machine equipment)

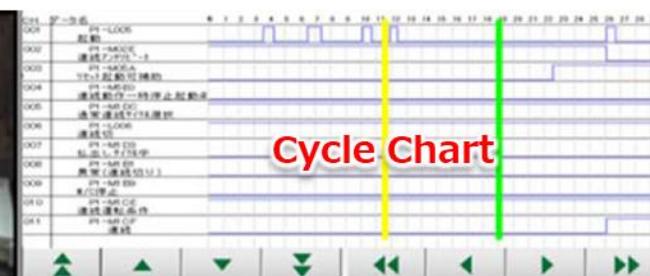
TOYO PUC®-Nano AAA ExHigh  
TOYO PUC®-Nano 10GX



TOYO PUC®-Nano 10GX(CPU)  
+ TOYO PUC®-Nano AAA  
+ USB-Memory + Camera



**Video**

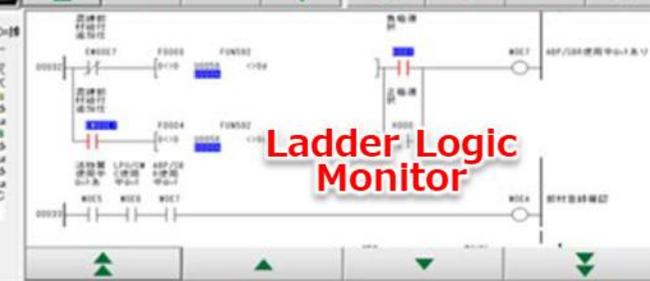


**Cycle Chart**

操作履歴表示

No.	種類	種別	操作日時	状態
00815	P	P	2021/05/12 08:09:34	CYC
00816	P	P	2021/05/12 09:10:45	CYC
00817	P	P	2021/05/12 09:12:14	Stp
00818	P	P	2021/05/12 09:10:30	Mod
00819	P	P	2021/05/12 09:10:31	Lau
00820	P	P	2021/05/12 09:10:30	Stp
00821	P	Mod		Mod
00822	P	Lau		Lau
00823	P	Mod		Mod
00824	P	Lau		Lau
00825	P	E.C		E.C

**Operation History**

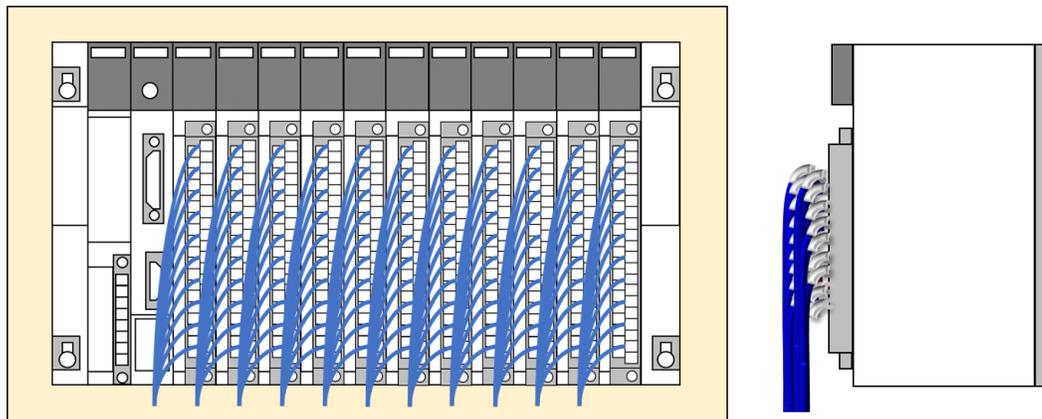


**Ladder Logic Monitor**

**Latest functions Even on existing old machine equipment!**

No need to worry about Maintenance Parts, Improved Maintainability

◆ Before Renewal  
Other company's PLC



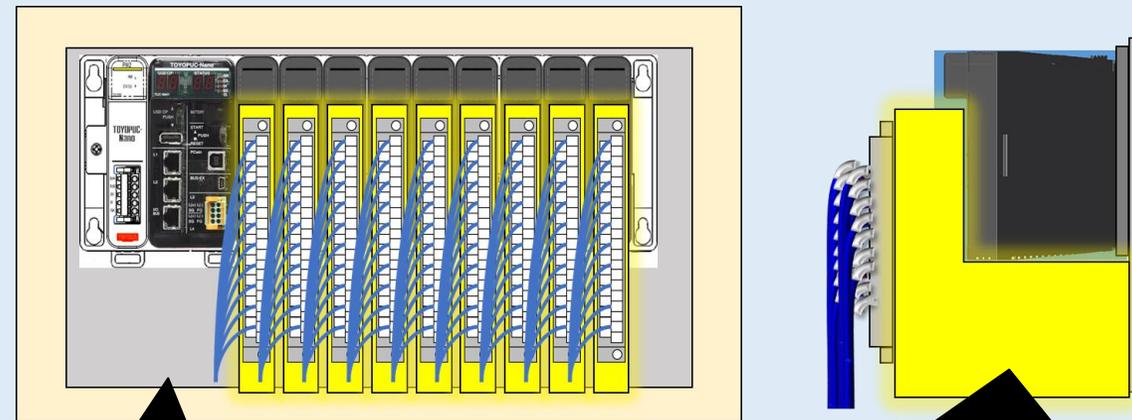
● No need to worry about Maintenance Parts, Improved Maintainability

● Renewal even only on Sat and Sun

※It may differ depending on the current conditions.

● Long-term effective use of Machine

◆ After Renewal  
TOYOPUC® Nano-10GX



Fits into existing PLC space

Existing Wiring and Terminal Block reuse with Terminal Block Adapter

Automatic Program and Parameter Conversion

Can Renew even Other company's PLC!

No need to worry about Maintenance Parts! Improved Maintainability!

**PLC老朽更新パッケージ**  
**Old PLC Renewal Kit**

**PLC老朽化により  
故障時の予備品・保全部品の心配等…  
様々な不安や問題が生まれます。  
JTEKTのPLC老朽更新にて  
予備品心配不要！ 保全性向上！ 設備の使い切り！  
をお手伝いをさせていただきます。**

**Due to PLC aging  
Worries about spare parts/maintenance parts at the time of failure,  
etc.  
Various worries and problems arise.  
By JTEKT's Old PLC Renewal, we will help the customers.  
No need to worry about Maintenance Parts! Improved Maintainability!  
Long-term effective use of Machine!**