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How M-System continues to make same products available

We have been overcoming difficulties of parts procurement caused by parts discontinuation or natural disasters!

Old electronic components are discontinued and replaced with new ones smaller in footprint and higher in performance following rapid technological advances.

We develop new products of the same functions housed in the same enclosure and maintains the same model identification.

In this video, we introduce our unique approach to the problem of parts procurement.

Be sure to check it out.



Anechoic chamber in the Kyoto Techno Center, M-System's own test facilities to support repeated design changes.



Be sure to check out the video!



Please subscribe to M-System channel.

You can also watch the video at M-System web site:
https://www.m-system.com/video_e/

Production system

that ensures the same products are made continuously available

The greatest difficulty to keep production of the electronic devices is either by due to the interruption of electronic parts supply caused by accident or disaster, change in regulation or parts discontinued.

We do not easily stop manufacturing products once released in the market, without trying to supply compatible products of equal or better performance to replace with, because we believe it is an important responsibility as the world's leading manufacturer to continue serving people who maintain the performance of process control systems.

Electrical parts outage and historical background

When obtaining the electrical parts becomes difficult, we tend to think that it is due to the one-sided situation of the parts manufacturers, but it is not always the case.

The designing change was necessary in some cases to comply with the RoHS directive, a part of the global environment activities.

Also, there were cases where obtaining the parts was difficult when the parts factory was damaged by the Great East Japan Earthquake or when the factories in Thailand were flooded.

If we cannot avoid supply outage of electronic parts, we will cover it by the designing speed.

If the electronic parts will be discontinued, we will receive an advance notice from the parts manufacturer.

As soon as the notice is received, the Design Dept. will calculate the time required for designing change.

The Production Control Dept. will calculate the volume of shipping within the designing period and order the necessary quantity to the parts manufacturer.

If it involves circuit changes, we will need to redo many processes including evaluation test.

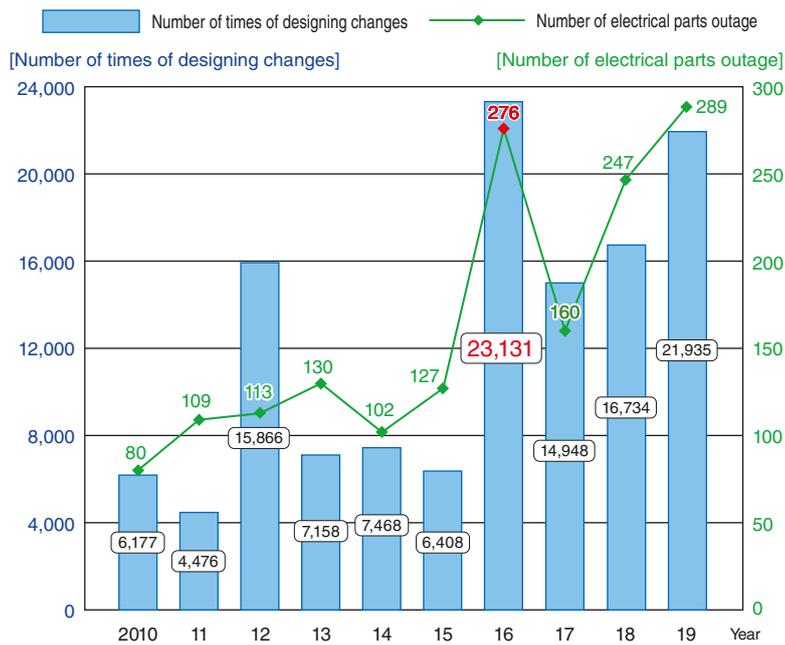
However, M-System has its own test facilities such as the anechoic chamber and the shielded room certified and registered by the official body to perform the change tasks efficiently at any time.



M-UNIT as of 38 years ago

M-UNIT as of today

Number of times of designing changes by the parts outage



● Obtaining the capacitor parts became difficult due to the effects of the Great East Japan Earthquake, and we changed the manufacturer.
Designing changes: 259 times

● Obtaining the capacitor parts became difficult due to the effects of the Great East Japan Earthquake, and we changed the manufacturer.
Designing changes: 6,214 times
● The transistor parts were discontinued by the flooding in Thailand, and we changed the manufacturer.
Designing changes: 281 times

● We started using a new transformer component manufacturer due to the previous manufacturer's abolition of transformer component business.
Designing changes: 5,588 times
● We started using a new semiconductor manufacturer due to the previous manufacturer's abolition of semiconductor components as a result of its business office integration.
Designing changes: 4,707 times

For details, visit M-System's website.

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