

About the creation of communication standards to enable machine-to-machine cooperation in SMT lines by ELS

The SMT equipment communication rule standardization subcommittee (hereafter referred to as ELS) from the Japan Robot Association (hereafter referred to as JARA), of which Fuji Corporation is a member, has advanced the standardization of communication for M2M cooperation in SMT lines. The standard JARAS 1014 has been introduced for the SMT market.

On June 1, 2018, the communication standard JARAS 1014 was issued by ELS.

Generally, many SMT lines are made up of SMT machines from multiple manufacturers and it takes time and money to consistently manage the information from the entire line.

Because this condition is well understood in the industry, twenty companies got together to create and investigate a unified standard as ELS and put them together as JARAS 1014.

This standard has been created for the SMT market by expanding on the communication standard SEMI A1 HC established by SEMI. This standard makes it possible for users to freely create a production system, consistently manage information, and quickly support variable-mix, variable-volume production.



ELS participating companies (in alphabetical order):

- CKD Corporation
- FUJI CORPORATION (Previously: Fuji Machine Manufacturing Co., Ltd.)
- JUKI CORPORATION
- KOH YOUNG TECHNOLOGY INC.
- Komatsu Electronics Co., Ltd.
- Marantz Electronics Ltd.
- MIRTEC JAPAN CO., LTD.
- Musashi Engineering Inc.
- Mycronic Corporation
- NAGAOKA SEISAKUSHO CORP.
- NAGOYA ELECTRIC WORKS CO., LTD.
- OMRON Corporation
- Panasonic Corporation
- PARMi Corp.
- Saki Corporation
- Senju Metal Industry Co., Ltd.
- TAMURA Corporation
- Test Research, Inc.
- Yamaha Motor Co., Ltd.
- YS Co., Ltd.