



April 1, 2020
FUJI CORPORATION

Fuji Corporation selects Siemens Digital Industries Software to Further its Digital Enterprise

Fuji Corporation (headquarters: Chiryu, Aichi; Japan; president and COO: Mr. Shinsuke Suhara; hereafter referred to as "Fuji") and Siemens Digital Industries Software (headquarters: Shibuya, Tokyo, Japan; Country Manager: Kunihiro Horita, hereafter referred to as "Siemens") have agreed to collaborate to further Fuji's digital enterprise in Japan.

In order to meet the demands of production sites so that they can in turn respond to diversification in the market, shorter product cycles, and changing workstyles, Fuji has focused on automation and digitalization centered on surface mount technology (SMT) robotics. Fuji has developed Machine to Machine (M2M) link solutions, production schedulers, and material logistic solutions based on the integrated production system Nexim, to achieve digitalization of the SMT production floor in the form of Fuji Smart Factory.

However, digitalization is not only needed at the placement process. There are many who are calling out for optimization across the entire manufacturing process including assembly inspection processes and product design.

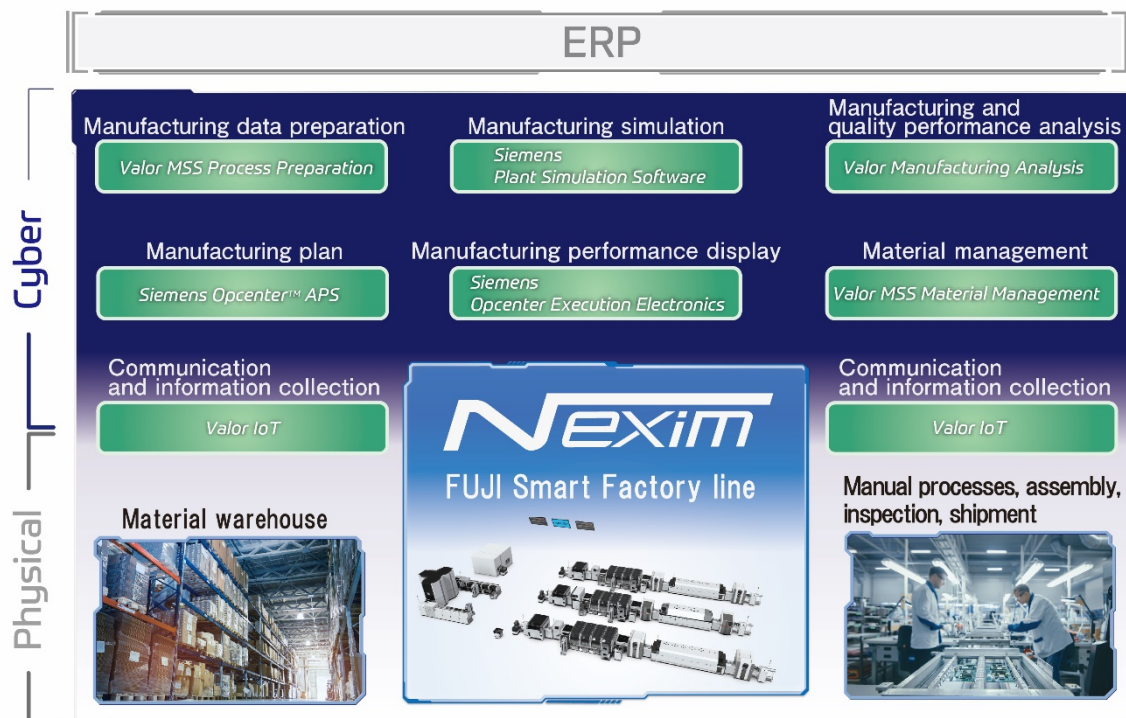
To meet these demands, Fuji is working together with Siemens to digitalize the entire factory.

The digitalization of manufacturing involves importing production data in a virtual (cyber) environment, under a system that helps ensure that the resulting simulated production plan can be implemented without any differences between that plan and actual production in the actual (physical) environment. This system is the "digital twin", which when implemented can enable both flexible and highly efficient production.

As the first step in the collaboration, Fuji has introduced Siemens' Xcelerator portfolio at the Fuji Okazaki Plant to digitalize the production of SMT machines. Through digitalization, the production schedule can be reformed to be a plan for the entire factory instead of individual processes, designed to reduce the amount of stock between processes and keep lead times low.

By using Siemens' virtual space solutions with Fuji Smart Factory solutions, it is possible to digitalize design not only for electronic component mounting floors, but also for the entire factory including the assembly and inspection processes in electronics manufacturing. This also supports vertical integration with a unified core system ERP.

Fuji plans to provide a digital twin solution in April, 2020.



Fuji, as a leading robotics manufacturer and vital contributor to global manufacturing, will continue to develop products that further automation in production and smart factories.

Company profile

Company name: FUJI CORPORATION

Representative: Shinsuke Suhara, President & COO

Address: 19 Chausuyama Yamamachi, Chiryu, Aichi, Japan 472-8686

Established: April 1959

Business: Electronic component moulder robots and machine tools manufacturing and sales

Capital: 5,878 million yen

<https://www.fuji.co.jp/en/>

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