

# Bringing AI to Manufacturing. Utilizing Data without Specialist Knowledge

## ◆ Features

### Programming-free Analysis Utilizing AI

Features a diversity of machine learning and statistical analysis methods including AI functions such as deep learning and multiple regression analysis, enabling data analysis to be used for various purposes. Moreover, no programming is required, therefore data analysis solutions are easily achieved.

### Achieving with a Single Software

This software alone covers the phase of analyzing production shop floor data in an office and the phase of diagnosing the shop floor based on such analysis results, therefore it is possible to apply learning models acquired from data analysis to the shop floor as is.

### Providing Data Analysis Service

Data analysts with in-depth knowledge of FA support your data analysis. We provide a “data analysis support service” whereby we analyze your data at Mitsubishi Electric, and “data analysis training,” which teaches data analysis know-how.

## ◆ Diagram

### Data Science Tool MELSOFT MaiLab

Reference  
Exhibition

Your AI Data Scientist,  
will guide you on the journey.

MELSOFT **MaiLab**



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## ◆ Features

### ① AI Data Scientist

An AI-based analytics support system that enables data utilization without the need for specialized knowledge on data analysis. AI Data Scientist can automatically select preprocessing and analysis methods and execute learning, making it easy for anyone to create learning models.

### ② Machine Learning

In addition to pass/fail judgment, multiple answers using machine learning are possible, so decisions closely resembling an engineer's thinking are made. It can be used for applications that require the knowledge of engineers, such as abnormal factors and setting control parameters according to production conditions.

### ③ Ultracool Design

User-friendly UI design enabling even workers with no experience to use immediately. With its sophisticated design and rich graph display, analysis from various viewpoints is possible.

## ◆ Diagram

### Data Science Tool MELSOFT Mailab

Reference Exhibition

