



FutureMain
Smart Solution For Your Factory!

ExRBM

Automatic Fault Diagnosis & Optimal Management Solution



FutureMain.

has been

*From smart factory consulting to system installation,
FutureMain, the expert engineering company,
is with you every step of the way.*

A dark blue background featuring a faint, out-of-focus image of an industrial facility at night, with various structures and lights visible.

40 years

of experience in the Power Plant, Steel, Chemical, Oil and General Manufacturing industries.

350+

Domestic and overseas, We possess analyzing experience in over 350 different types of fault diagnosis such as vibration, noise, etc.

5,800,000+

Engineering & IT company that has the fault diagnostic as well as optimal condition data for over 5.8 million machines.


You want to build a smart factory but have the following concerns..

How much should I budget for the implementation.
Is it really “SMART” technology?


I want to build a smart factory and monitoring machine condition data in real-time, as well as **smart technology** that **enables automatic diagnosis and predictive maintenance.**

With FutureMain's
Smart Factory Consulting Service,
all these worries can be put to rest.

Free Consultation for Implementing Solution

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Product & Service

We offer a range of solutions and products to ensure that your factory operates efficiently, optimally, and safely.

 **ExRBM**TM
RELIABILITY BASED MAINTENANCE PROGRAM



**Fault Diagnosis &
Predictive Asset
Management Solution**

 **ExRBM**TM**AR**⁺



**Augmented Reality
Smart Maintenance
Platform**

 **ExRBM**TM**Portable**



**Portable Machine
Health monitoring
Analyzer**

Sensor & Cable



**IIoT Sensor & Cable
Cloud Service
ICT, Network appliance**

Machinery Optimal Management Solution through Predictive Maintenance

ExRBM is FutureMain's specialized solution & platform for Machine Diagnosis Management & Optimization.

**Easy & Accurate
Optimization**

**High Return
on Investment**

**Innovative
Smart Factory**

**Shortcut for Optimizing Machine Assets
& Reinforcing Manufacturing Competitiveness**



■ **Now let the technology work for you.**

ExRBM was born as a Smart Technology through the integration of professional engineering technology, information, and communication technology.

With advanced machine optimization technology, you will see surprising changes in your factory and machinery.

You don't have to change, simply manage.
Let the technology do the work.

■ ■ **Easily optimize and diagnose Machinery! But also, Accurately.**

ExRBM is a software solution for optimizing fault diagnosis and management of work processes and machinery.

Many companies face difficulties in making machine relevant decisions due to lack of time and lack of, or overload of data.

■ ■ ■ **With just ONE solution, various advantages are created.**

ExRBM, a single solution, enables everything from machine diagnosis to reducing the chance of future critical breakdown through optimized management and predictive maintenance.

Not only do we transform machinery status data into more valuable and useful data, but we also provide the ability to store all this information, data, and use it statistically as well.

ExRBM supports you in shaping your future as YOU planned by eliminating possible future risk factors through statistical analysis of stored data.

ExRBM Properties

ExRBM does Precise Automatic Diagnosis through Fault Mechanism Analysis



If a failure in the machine occurs, operation of machinery must be halted. Long downtimes can lead to enormous financial losses.

When the structure of the equipment is very complex and the mechanism of the cause of the fault is diverse, with various possible causes, it can be very time consuming to come up with appropriate countermeasures.

ExRBM supports you in making quick and accurate decisions by performing professional diagnosis of machine defects through a diagnostic expert algorithm created by thoroughly analyzing numerous defective mechanisms for more than 35 years.

In addition, it reduces the time it takes for equipment to be repaired by suggesting appropriate countermeasures for defects. At the same time, the downtime rate of machinery can be minimized.

Infinite Scalability & Compatibility



No matter the process or however complex the machine is, the ExRBM can work as a machine engineer, process engineer, and maintenance operator in any number of industries.

It is designed to be used in specialized fields and for technicians in many different sectors, such as equipment and reliability maintenance.

ExRBM can also be linked with other systems such as an existing SCADA system, monitoring system, or MES, so a high degree of synergy can be expected.

ExRBM can also make use of various types of services using cloud servers so that it can change and be compatible with the needs of present and future customers.

Diagnosis just became easier and faster.

Simple Data Evolves into Priceless Information

Now, ExRBM provides a smart solution so that various advantages can be created by using applicable data and going beyond simply collecting machine data.

By using the collected data, it is possible to understand the condition of the machine and to predict the initial fault in advance, thus enabling predictive maintenance of the machinery. In addition, the diagnostic expert algorithm is applied to enable precise and accurate diagnosis of machinery defects. Diagnosis results and stored machine information can be easily checked through separated plant, process, and unit facility categories with a glance at the statistical management module.

Information that has been reborn and revalued through ExRBM's solution is programmed into the target company's big data system and based on this information, future efficiency machinery optimization management can be maximized. moreover, the data built on the platform can be used as core data for business management by being provided to the company's integrated management system through the internal computer.

ExRBM enables predictive maintenance to take measures before a critical failure occurs so it can increase the operation rate and reliability of the machinery. Also, reduce operating costs such as maintenance and energy costs, and at the same time increase the stability of the machinery, thereby contributing to the improvement of factory productivity as well.



Convenient Access, Anytime, and Anywhere

The ExRBM platform allows you to access it anytime and anywhere via web browser. In addition, by providing various machinery management functions, careful efforts have been made to enable smart management of your factories and facilities.



No waste generated, Simple and effective management of aging facilities.

The ExRBM VibBox is an all-in-one device designed for seamless installation on aging industrial facilities, enabling effective condition management and predictive maintenance



ExRBM SaaS

Machine management becomes even easier with ExRBM SaaS.



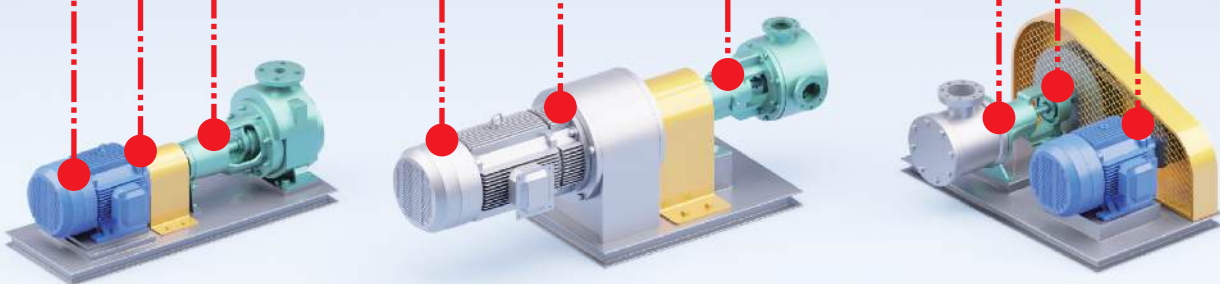
국가는

국가는 노인
과 청소년의

On Site



Machine Data (wireless)





ExRBM
RELIABILITY BASED MAINTENANCE PROGRAM

Portable+

**Machinery Health
Monitoring & Automatic
Fault Diagnosis Analyzer**

ExRBM Portable is a portable machine data measurement and diagnostic device that can be directly connected to on-site machine, enabling simultaneous vibration measurement and fault diagnosis.

It allows for machinery fault detection and condition assessment without the need for additional monitoring system installation costs.

Key Features

- **Automatically performs fault diagnosis** on machinery on-site.
- **Real-time condition assessment** and anomaly alert function
- **Fault frequency calculation** and automatic report generation
- High compatibility with various sensors
- Simultaneous data measurement from a **minimum of 3 channels to a maximum of 12 channels**

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FutureMain Always thinks about customer satisfaction.



Futuremain, Smart way to Manage your asset.