

■ Critical Issues

- **Is your company's JIT (Just In Time) production operating well?**
Aren't you getting the run-around from your vendors' JIT production systems?
- The ESCORT production method complements the weaknesses of the JIT production system.
- **Are you satisfied with the results from ERP and SCM?**
- The ESCORT production method draws out the maximum effects of ERP and SCM.

■ JMAC Concept

■ What is ESCORT?

The ESCORT production method is the name for the Equaled & Synchronized Production Control Technique, and is a production control innovation program strongly promoted by JMAC.

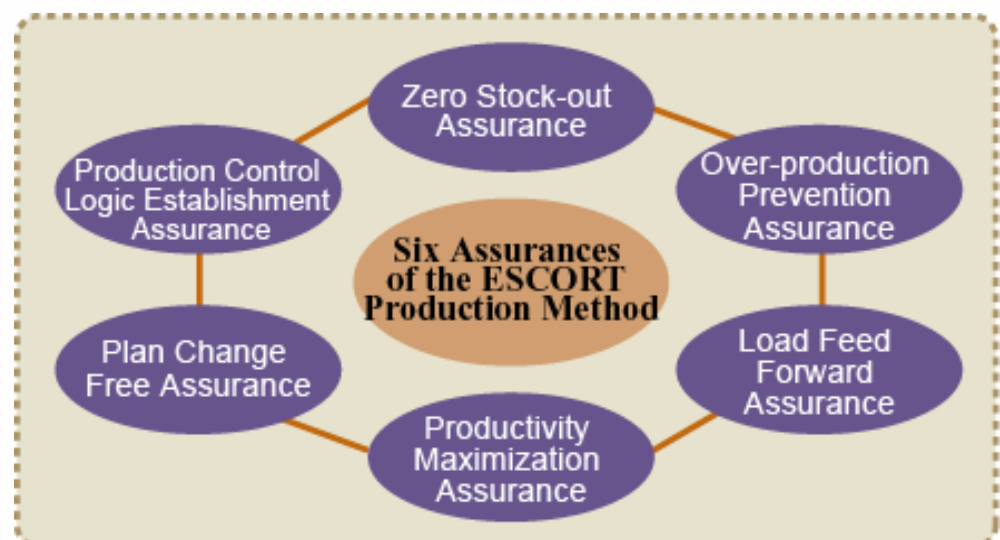
■ ESCORT for companies which are searching for their own production system

The concept of "Just In Time" or "synchronization" and its practice are very important, but we believe it is very difficult for all manufacturing companies to realize full "synchronization". For final manufacturers (companies such as automobile manufacturers who process and assemble "finished products" and provide them to customers), JIT is a highly effective method. However, for suppliers (companies who supply parts and materials to the final manufacturers), JIT is not always appropriate.

Suppliers need a manufacturing method that includes the concepts of "synchronization" and "equalization".

JMAC believes that ESCORT is an ideal manufacturing method for suppliers.

■ The six assurances of the ESCORT manufacturing method



ESCORT (Equaled & Synchronized Production Control Technique) Synchronized and Equaled Production Method

Synchronized and equaled production method that draws out the maximum effect of ERP and SCM



JMAC Features

The three elements of the ESCORT production method

(1) Equaled and synchronized planning

“Equaled and synchronized planning” is made up by the production plan standards and procedures that realize the “six assurances”.

(2) Production process improvement

The highest level of production processes will be created, and thorough improvement of the manufacturing processes will be carried out.

[Aims]

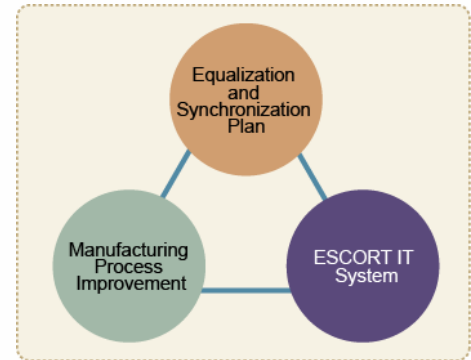
- Lead time shortening
- Reducing work in process to zero
- Removal of production constraints

[Main Methods]

- Simplification of procedures
- Rectification, line establishment
- Bottleneck process elimination
- Loss (equipment, human) minimization

(3) ESCORT IT system

An IT system is built up as a tool for accurate and speedy production planning and for properly operating the ESCORT production method.



Ease of introducing the ESCORT production method

Because the ESCORT production method is implemented on top of the existing production method or mechanism (such as a JIT manufacturing method or MRP, etc.) without requiring the existing system to be discarded, it does not have to be built up from zero. That is, for the production planning function and the procurement function which is based on the manufacturing plan, it will only be necessary to introduce the equalization and synchronization concepts and to implement the improvements necessary for carrying out the “administration work” and “worksite work” that follow these concepts.

Results

Results of ESCORT Implementation

