



R/3 SYSTEM

Segmentation, self-regulating production lines, process organization, continuous-flow production and the reduction of storage space all represent current trends in industry. Introduce flexibility to your production areas, shorten process chains and aim for a faster, but more cost-efficient production process by implementing R/3 KANBAN / Just-in-time.

IN FOCUS...

PP-KAB KANBAN / JUST-IN-TIME

USE THE ADVANTAGES OF AN EVENT-CONTROLLED PRODUCTION PROCESS

The well-known manual Kanban / Just-in-Time procedure separates multi-level production operations and offers greater flexibility in the total production process.

The huge reduction in lead times that can be won by implementing Kanban / JIT techniques and thus the reduction of stocks and costs will increase the competitiveness of your company. In future, use the electronic and fully integrated R/3 Kanban / JIT techniques. These new functions represent a consistent development of the manual procedure that will provide you with the following advantages:

- automation of replenishment
- optimization of processes and shortening of process chains
- integration of controlling

- reduction of inventory
- information on bottleneck situations and disruptions
- optimized direct delivery to shop floor (ship-to-line)

PRACTICAL AND EASY-TO-USE

The material is stored in several containers directly on the shop floor, where it is required. The R/3 Kanban module has been tailored to suit the production process. One or more work centers can use the material stored on the shop floor and withdrawals can be made according to production progress. If a container is empty, then a scanner is used to read the bar code printed on the kanban.

MAKE USE OF THE TIME AND COST ADVANTAGES

The bar code signal is the trigger for replenishment which is generated auto-

matically using one of the three replenishment strategies, in-house production, replenishment from external source, or replenishment from stock. Therefore, all that is required to trigger material replenishment has been reduced to the scanning of a bar code which is controlled by the employees in production. Use all the standard SAP R/3 procurement methods -now with Kanban / JIT- directly from the shop floor, fully automatic and even faster.

All the data required for replenishment and for JIT delivery is automatically transferred to vendors, the warehouse, or production immediately. In areas where material is replenished externally, FAX and EDI is supported for quick data transfer.



PP-KAB KANBAN / JUST-IN-TIME

CONTROL - SYNCHRONOUS TO PRODUCTION ON THE SHOP FLOOR

The distinguishing feature of R/3 Kanban / JIT is its simplicity: easy-to-use techniques carried out directly on the shop floor that reduce administrative effort but still provide accurate up-to-date information. Production itself should carry the responsibility for the manufacturing process and material replenishment, and should involve a minimum of posting activities. To minimize both the effort required and the risk of error, bar codes are used to trigger the individual functions. All subsequent transactions for updating data in the Kanban environment and in integrated functions are completed automatically.

EARLY RECOGNITION OF BOTTLENECK SITUATIONS AND PROBLEMS WITH MATERIAL PROVISION

The kanban board is a dynamic, interactive graphic that makes it possible to visualize the progress of material replenishment in each of the production units. To this end, full containers are represented by the color green, empty ones by the color red, and disruptions in the control cycle have also been allocated special colors. By using the kanban board, missing parts situations, disruptions, or bottlenecks can be displayed clearly for all areas of production. Thus, personnel can be sent directly to alleviate bottlenecks: only if problem situations are recognized early can the person responsible for production reaction time.

A further advantage of the kanban board is its use for individual operations. Because the board is so transparent, and directly reflects the production situation, it can be used by employees on the shop floor to trigger operations simply by clicking on the containers.

WIP location	Material	Container qty	Container
MONT-2556	Section 4 - Monitor	-Assemb.Line 03-	
E-M7666	Monitor 17 inch color	6 PC	001 006 002 003 004 005
E-M4366	Monitor 15 inch color	3 PC	001 002 003 004
E-M8758	Monitor 14 inch color	3 PC	001 002 003 004 005
E-M9878	Monitor 14 inch color new generation	2 PC	001 002 003 004
MONT-4766	Section 5 - Keyboards	-Assemb.Line 03-	
E-S8374	Keyboard Japanese version	20 PC	001 002 003 004 005 006
E-S8766	Keyboard English version	40 PC	003 004 005 006 007 008

SIMPLIFY THE LINK TO CONTROLLING

In many cases, controlling activities should be carried out periodically. This has been made possible with the introduction of the cost collector where all the costs incurred in producing a particular product are collected, if necessary, separately per production version. This information is then periodically passed on to controlling for settlement.

KANBAN IN COMBINATION WITH OTHER PRODUCTION CONTROL TECHNIQUES

Kanban / JIT can successfully be combined with all the other elements of production control. It is possible, for example, to control final assembly using assembly orders, production orders, or repetitive manufacturing, and at the same time you can use Kanban/JIT to control the components and assemblies. This leads to an optimum organization of the complete production process, from configurable finished products, for exam-

ple, the production of PCs or automobiles, to repetitive products, for example, the production of pumps, high-tech components, or parts for supplying the automobile industry.

TECHNOLOGY AND SERVICE

R/3 software is based on Client/Server Architecture. R/3 is designed as an open system for use on operating systems from a variety of vendors. Along with the software, SAP offers you a complete spectrum of services: professional consulting in organizational and technical issues ranging from project planning to system implementation, qualified staff training, and 24-hour hotline support.

SAP's quality management system for software development meets the international ISO 9001 standards.

Want to find out more?

Just contact us at one of the numbers listed below.

SAP HEADQUARTERS: SAP AG • P.O. Box 1461 • 69185 Walldorf • Germany • Tel.: +49.6227.343838 • Fax: +49.6227.343227

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