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KEY WORD: INVENTORY CONTROL / KANBAN / JUST IN TIME

SUKSAN LAORAKKITCHAKARN : INVENTORY CONTROL OF PARTS FROM
A SUPPLIER. THESIS ADVISOR : ASSO. PROF. CHAROON MAHITTA FONGKUL,
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Studies on the improvement of inventory control of parts that supply from outside vender.
The samples plant (car remodeling plant) control inventories of parts by order parts follow the
production schedule. There was a problem to kept stock of parts more than plan. Because of

1. Had to order part by lot size 20 unit / lot while required lower than lot size. So, it
had to kept the over supply parts.
2. Ordered parts as part group. In case of part which common use in other groups, it
had to keep more parts that came from the other group
3. Could not adjust part orders to support uncertainty of actual production. Especially
delay condition, had to keep unused parts.

To improved as

1. To reduced lot size to order part. Especially parts that used a little.
2. To changed the order method from part group to part items. And used a KANBAN (Just In Time) to order parts.
3. To used KANBAN to adjust part order volume to support uncertainty.
4. To used computer to support new system by making database from application software.
Microsoft Access 97 operate in Microsoft Windows 98 and barcode type 39 for more quickly and
correct for working.

The result of studies of sample 11 items for 3 months showed that the improvement could
reduce inventory part stock from 2.0 - 6.7 days to 1.4 - 1.6 days closely same plan as 1.5 days and
without production stop due to part shortage

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ลายมือชื่อนิสิต
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