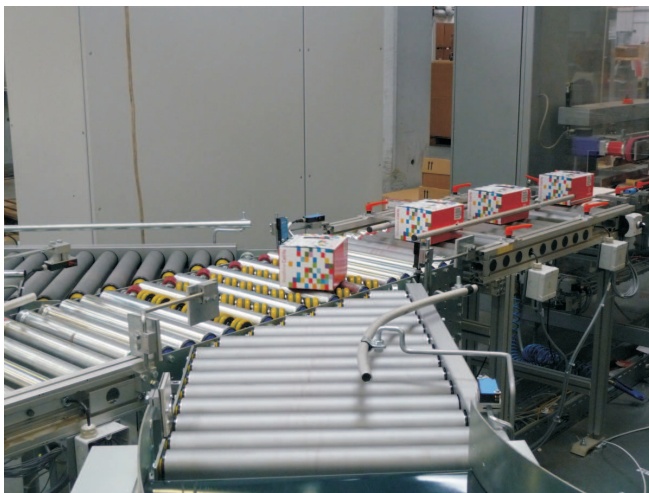




GEFAT
Engineering GmbH



**Reorganization to a fully automated
roundup of Prepaid-Mobile-Phone-Packages**

14. 08. 2008 17:59:55

Artikel-Nr.	Bezeichnung	Prod.-Auftrag	Menge Soll	Menge Ist
90000000001000177	Motorola W180 1. VF D2	0808-0048	1000	1000

Anlage ist AUS Automatik-Betrieb

Auftrag aus SAP laden

Auftrag ist abgearbeitet, Daten an SAP senden!

WA-Bahn 1 Ist: 300 Soll: 300

WA-Bahn 2 Ist: 300 Soll: 300

WA-Bahn 3 Ist: 100 Soll: 100

Verpacker Status Applikator Aufleger Handl.gerät Kartausbilder

EAN: 9691322189150
EAN: 5028322188150
LB: 0081182010
LB: 0081182010
IMEI: 25942101352410

Übernehmen

Betriebsstunden gesamt HIFA

GEFAT arvato services

Reorganization to a fully automated roundup of Prepaid-Mobile-Phone-Packages

Due to the constantly rising requests within the area of mobile communication, a manual roundup of Prepaid-Mobile-Phone-Packages is no longer efficient and requires a high operating expense.

GEFAT reorganized an existing roundup-line and thus realized a much quicker, safer and nearly fully automated course.

The already existing, self-sustained working components are being regulated centralized by the new control via the new Siemens Software-PLC which enables altogether a faster, safer, smoother and nearly fully automated procedure.

The mobile phones will be placed in their packages by the manual worker. SIM-Card, manual and further accompanying documents will be added via activatable accompanying-material-adders.

Data scanner at the line enable a discharge of faulty packages. These may be refinished manually. Faultless packages will be closed and separated on to three material output lines. After manual packing a status announcement with production table will be send fully automated to the SAP-system.

The heart of the plant is an industrial PC which administrates the following components:

- Siemens Software-PLC with linkage to the external Profibus-Peripheries
- Rockwell Visualization System for operating and checking the processes
- High-level-programme including data bench and SAP-linkage
- Ethernet linkage to data scanner, print-lable-applier and four in-situ-panel-Pcs, distributed within the plant

The communication between the different systems will be realized via a Beckhoff-OPC-Server.

The challenge upon these roundup-plant is in one way the pulsing of 3600 roundup of packages per hour, on the other hand the time-critical processing of 21 datascans per second.

Naturally the plant is equipped with a tele-maintenance-access via VPN to enable quick service in matters of emergency.

**Visu, PLC, High-Level-User-Programme
...everything from one source**



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