Gallus In Touch

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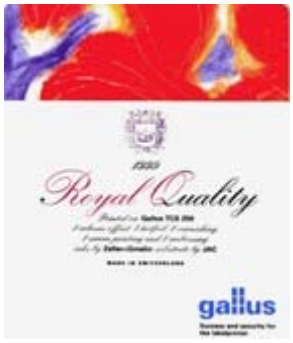


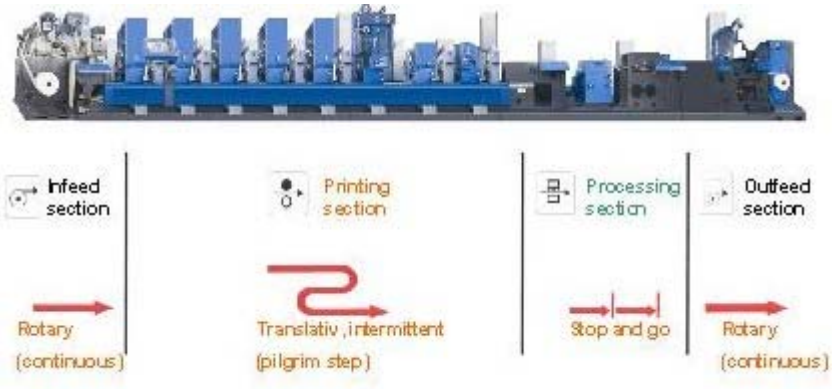
Gallus TCS 250, the success story in the premium label market

Since its market introduction in 1992, the Gallus TCS 250 label printing system has set a benchmark in offset printing quality and operational efficiency in the narrow web world. In the meantime more than 140 presses are installed worldwide.

In 1992, the Gallus T 250 launched the era of servo drive technology and gave a new meaning of **how to produce premium labels all inline**. Inline possibilities of the current TCS 250 consists of flatbed embossing unit and die-cutting unit within the processing section. In the printing section, options are offset printing, screen printing, letterpress printing, hot foil stamping and finally flexographic varnishing.

Just imagine how much you have to pay for the **tooling for a high value added label** produced on a rotary press. Then compare to the Gallus TCS 250 with **less than 1000 Euro for an average job!** This comprises the sum of all charges for **one screen printing form, five offset plates, one flexo spot varnishing plate, one flatbed die-cutting tool** and **one flat embossing tool**. The secret of this competitive amount lies in the web transport design of the Gallus TCS 250. How can this be done?

Three different web transport principles are involved: **rotary** at the infeed section, **translative** within the printing section, **stop and go** for the converting section and at the end rotary again for the outfeed and rewind section. **One tool size fits all** – the adaptation to the required **format in a range between 4" and 10"** can be carried out within **one hundredth of a millimeter**.



Dedicated servo drive technology leads to automation which enables to optimise the operational efficiency. On the Gallus TCS 250, the following automation features lead to **reduced Total Cost of Ownership (TCO)**:

- Automatic length register control, insetting capability
- Automatic presetting of the printing and converting position, "register pre-setting"
- Flooding of the damping unit for fast water/ink separation at print start
- Inking of the offset unit at machine stop to reduce start-up waste

- Local adjustment of the ink flow rate and the damping rate by servo driven doctor roller and damping unit
- Job related storing and recalling of machine settings for fast set-up for repeat orders

In addition, also **the consumption of hot foil material can be reduced by the super foil saving device**. This feature is retrofitable to each Gallus TCS 250 which is produced after the year 2000. It allows to apply two foil streams at the same time and to optimize the foil material consumption. The smaller the stamping area and the bigger the distance to the next related stamping section the bigger the overhaul saving.

In principle the Gallus TCS 250 hot foil stamping unit is already equipped with a foil saving device as a standard feature. This version adapts the foil usage to the required repeat length. With the super foil saving device an additional foil saving can be achieved (e.g. for the label top left) This results in three times less foil consumption compared to the standard version.

For more information about the Gallus TCS 250, please ask your local Gallus partner.