

S Y S T E M
ODEN
Total control



ODEN originated in Sweden, where craftsmanship, quality and reliability are primary to product design.

The legend of ODEN, as a Norse God, is symbolic of the ODEN principle. Due to having only one eye, ODEN depended on his two ravens, Hugin (for knowledge) and Munin (for memory), to fly out daily, surveying the country and bringing back important news. The ravens would sit on his shoulders and report. ODEN could then make important decisions on how to correct problems.

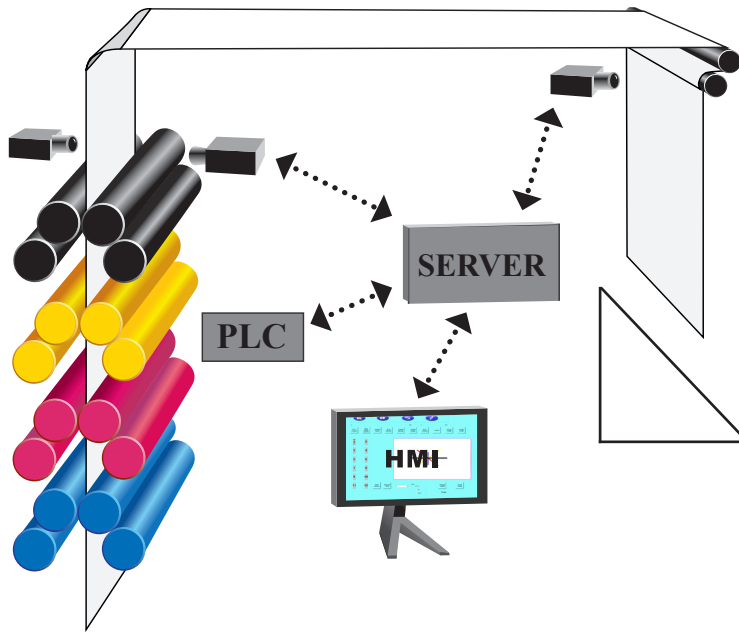
And so, the principle of the ODEN control system, whereby constant reporting is immediately processed and corrections automatically made to maintain perfect register.

The ODEN system is a highly reliable register control system, which offers an excellent solution to keep complete control of your production. ODEN controls the color to color register, the cut-off register and matches your primary and secondary sides against each other. These features will be monitored and corrected within the required tolerance, in a minimum of time, from start up and throughout the production.



PRODUCTION BENEFITS:

- Faster start up
- Reduced workload for operator with an easy-to-use interface
- Consistent higher quality printing
- Minimized waste
- Data feedback and print out capability
- Maximum return on investment
- Competitive price



Technical Data

Speed:
25 m/s

Accuracy:
0,01 mm color to color
0,1 mm cut-off
0,1 mm Primary to Secondary

Reaction time:
20 ms

Scanner size:
142 mm/80 mm/43 mm

Marks:
ODEN uses dynamic marks, adjustable to the customer's various demands and to the paper quality.

Space needed: 10x10 mm minimum
Cluster area: 4x3 mm to 9x7 mm
Sizes of the marks: 0,1 mm to 0,3 mm in diameter

Scanner:
Auto calibration for different paper.

Example 6x5 mm:



Cut-off:

The cut-off can be used with any type of register. It uses the same marks as the color to color and have an accuracy of 0.1mm

Flexibility:

ODEN can be installed as a stand-alone system or as integrated in your machine's drive system. ODEN is applicable to any printing press, equipped with motorized circumferential and lateral register, regardless of brand or configuration. The system consists of two cameras per web and a software interface with a separate touch screen.

HMI, Human Machine Interface:

Great effort has been put in by the designers to achieve a userfriendly environment. The result is a system easy to operate and quick to get familiar with. The control panel is a 19" touch screen. Easy interpretative menus and real time picture viewer are provided for fast and accurate adjustments.

