

DRIVE & CONTROL

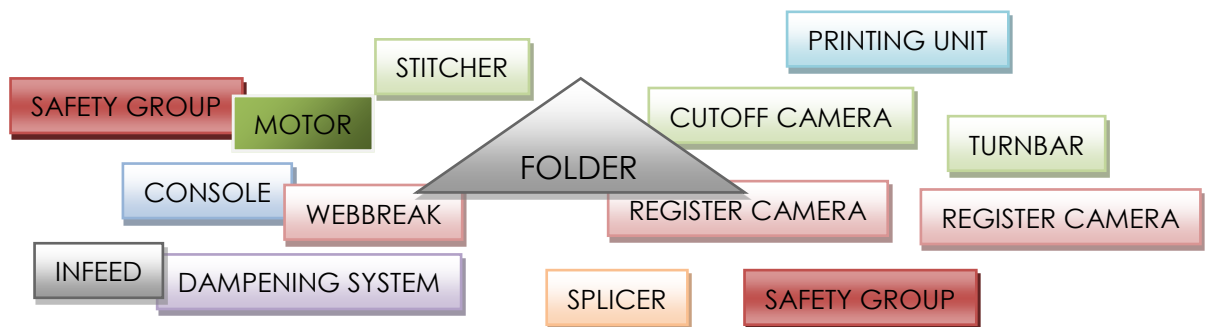
DCOS DRIVE & CONTROL SYSTEMS

Every printing press needs a drive and control system to be functional. The choice of partner and solution is decisive: the profitability, reliability and quality of your printing press and what it produces will mainly depend upon the automation package you select. The drive and control system is the backbone of every automation solution.

DCOS has designed a concept that covers the complexity of a modern printing press and also allows the system to be flexible enough to handle all kinds of retrofit projects with a mix of different machine types and auxiliary equipment used in the printing process. The structure of the system is built to handle all types of options and individualities.

With a mix of centralized and decentralized intelligence, scalability becomes almost endless, from the small system with just one motor to the big press with hundreds of motors and options.

The system is module-based, each new module being carefully tested by the technicians in a controlled environment; the modules can be mixed to match the exact type of configuration required.



In the design we have taken advantage of the long-term knowledge DCOS has of building robust and reliable control systems. By choosing proven parts from well-known suppliers we make sure our systems will be reliable and future-proof. In our selection of suppliers we focus on finding partners with worldwide coverage in knowledge and parts. We also confirm that the parts we choose will be available on the market for an acceptable period of time. The aim is also to maximize the number of “off-the-shelf parts”, produced in large series and available worldwide, so that the end customer is not dependent on the system designer to supply spare parts.

Unit shaftless – AC servo, one or two motors per print unit and folder

Footprint shaftless – AC vector / DC, one motor per footprint

Shaft presses – AC/DC, any number of motors per press line

All parts within our systems will be tested in our own workshop before being shipped for installation.



BENEFITS

- Standardized proven modules for each function.
- Customized to meet the needs of each individual project.
- Support for all kinds of drive types: shaft driven, footprint shaftless, unit shaftless etc..
- Tractability, possibility of checking runtime, number of copies, warnings, alarms etc on every module.
- Functional safety according to SIL or PL. EN/IEC 62061:EN ISO