



TEXTILE



NONWOVENS



PAPER



PLASTIC

OPTIONS

COATCONTROL CWS

COAT WEIGHT CONTROL

Product-highlights

- ✓ Control parameters individually adapted to suit the coating mechanism
- ✓ Operated via the the touch screen interface of the QMS control system
- ✓ Minimal hardware expenditure along with maximum results

Customer benefits

- ✓ Fully automatic reduction of repetitive errors in cross-sheet coating thickness
- ✓ Significant improvement in the quality of the end product permits higher selling prices
- ✓ Instant control ensures a minimum loss of production when changing batches
- ✓ Considerable savings in raw material owing to a minimum of set-point errors
- ✓ Minimal intervention by operating personnel thanks to intelligent software
- ✓ Automatic reduction of operator errors as a result of closed-loop control

Applications

The CoatControl CWS can be used wherever a QMS control system is used to continuously monitor online the weight of a coating applied to a product, and the installation's coating or application mechanism allows automatic control of either the mean weight of coating, or even left / right distribution.

Fundamentals

PID closed-loops with incremental relay outputs (plus / minus) can be used to automatically control either the speed (rpm) of a coating (lick) roller (with counter roller) or the gap and tilt of the rollers with respect to each other in order to obtain the desired amount of coating. Up to four output channels per coating mechanism are provided to control either the distribution of coating at the left, centre and right of the sheet or the mean weight of coating applied.

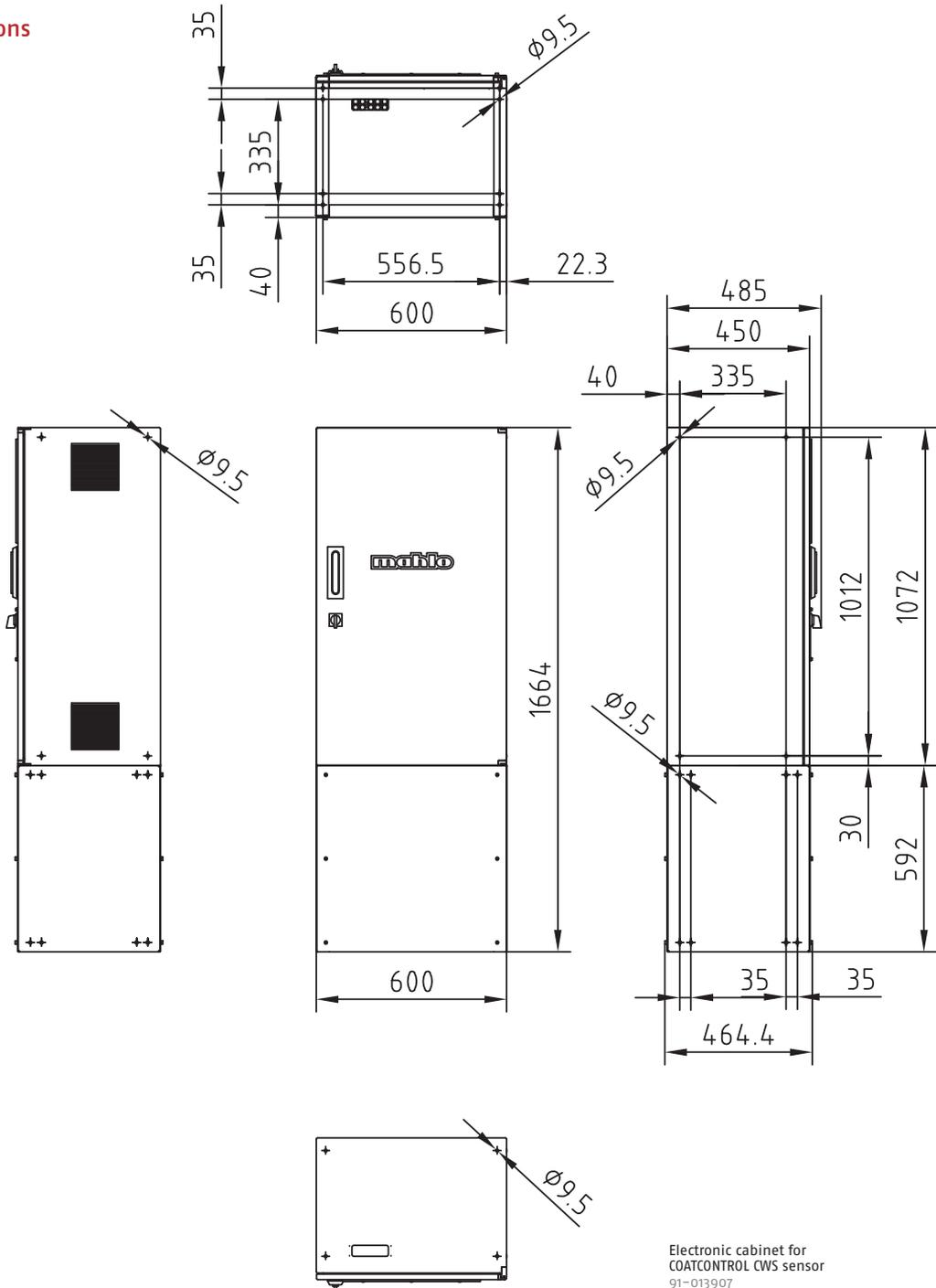
In addition to traditional lick roller mechanisms, the CoatControl CWS can also control calenders to regulate cross-sheet thickness.

To enable it to do so, the coating mechanism must be equipped with suitable actuators and servo drives which can be controlled by electrical impulses. Usually, the CoatControl CWS controls directly the servo motor fitted to the coating mechanism or calender.

TECHNICAL DATA | COATCONTROL CWS

Technical Data	CoatControl CWS
Number of outputs (per coater)	2 - 4 (L/M/R/Average)
Type of outputs	Digital, incremental \pm (24 V DC or 250 V / 6 A)
Controller	PID micro-controller - (TQ C167)
Connection	TCP/IP (RJ 45 or industrial ethernet)
Power supply	24 V DC (provided by QMS main I/O)
User interface	QMS software (Win32)
Control loops	PID, with configurable parameters

Dimensions



Electronic cabinet for
COATCONTROL CWS sensor
91-013907