WR.50

STEERING ROLLER GUIDING SYSTEM

- Usually used on applications with long infeed path
- 75 mm/s max speed actuator
- Stepping motor for a quick and precise regulation
- WR.50-S with lower profile for narrow applications
- CAN bus network

WR steering roller guiding system guarantees a precise web guiding on applications where the infeed path is sufficiently long, as in in the pre-printing zone of flexographic machines.

WR.50 can be provided with single or double roller and guarantees an actuator stroke of ± 25 mm and a max actuator speed of 75 msec. In case of mono roller, the diameter of the roller can be designed accordingly to the application to increase the grip.
For applications with narrow spaces we can provide the WR.50-S version with a lower profile to reduce the height of the system.

Sensors: the system can be used with both infrared or ultrasonic sensors to detect the edge, and with optical sensor to detect line or edge, of all kind of materials.

Controller: WR.50 can be set up and managed by the MWG10.1 controller that integrates both the control logic and the power driver for motor in a single and very compact case. The 2,8" LCD color graphic display, the user-friendly interface and buttons make sure that the system is very easy to handle.

Network: To guarantee a perfect network and communication, eventual external modules of the system (such as a remote keyboard or another web guide unit) are connected with the Re CAN bus interface that also guarantees an increased level of security interference.

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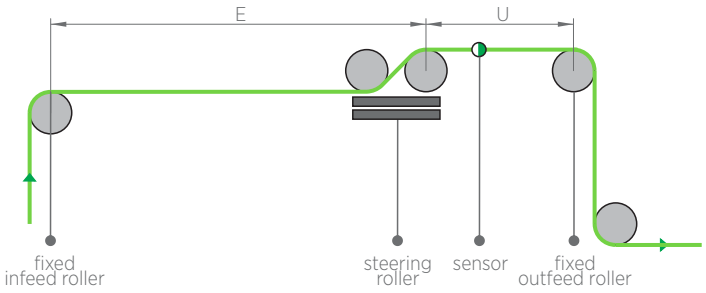
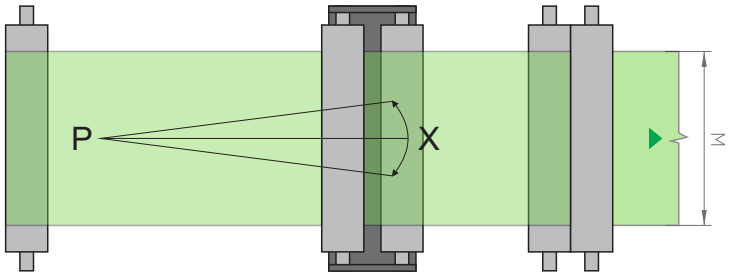
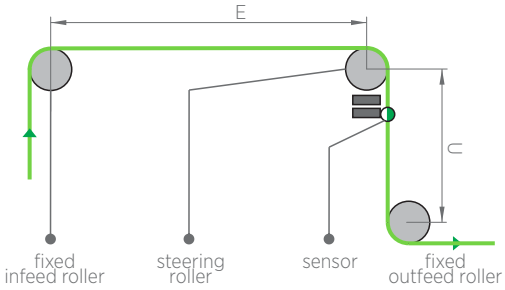
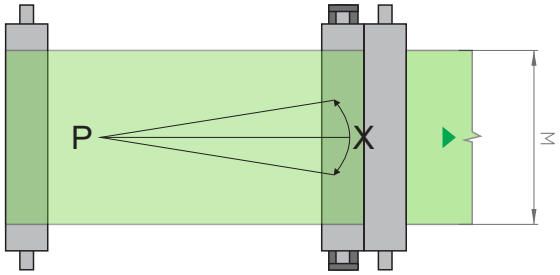
TECHNICAL DRAWING









Selection model table

ø \ F	300/500	600/700	800-1500
75	V		
100		V	V

* for other model contact our technical dpt.

E	infeed path	P	pivot point
F	roll length	U	outfeed path
M	material width	V	sensor distance
		X	guide angle

Functioning

The corrective action of Re steering rollers takes place on the infeed material plate. The length of the material at infeed must be calculated in relation to its own elasticy, it usually varies between 2 and 5 times the width of the web and this space increases depending on the rigidity of the material.
The material at infeed must be parallel to the web guide's base plate.
The outfeed section dimension must be included between the maximum material width (M) and its half.
In the event of single roller, as wide a contact surface as possible must be used and this is why rollers with larger diameters than normal are used.

TECHNICAL CHARACTERISTICS

Power supply	24 Vdc
Power consumption	4 A
Actuator stroke	± 25 mm
Actuator speed	min 4,5 mm/s - max 75 mm/s
Roll lenght F	see table
Roller diameter	see table
Max web tension	400 N
Working temperature	10÷50° C

*Data are subject to technical change without notice

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