K-012

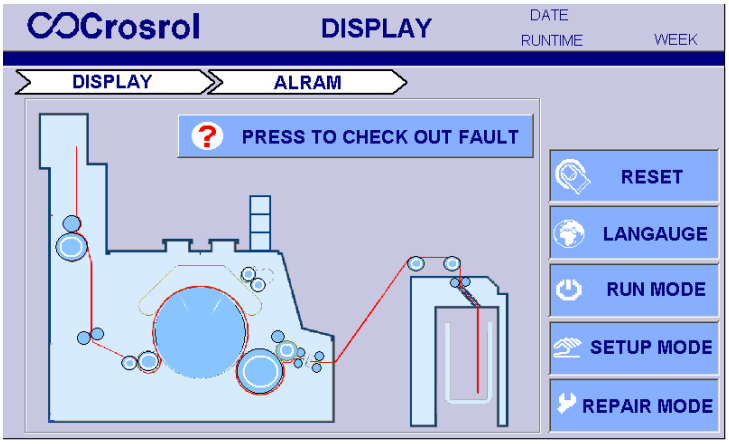
Crosrol

Siemens S7-300 Series PLC Controller

Latest generation Siemens S7-300 series PLC controller suitable for retrofitting to previously supplied Crosrol Carding machines utilizing the now obsolete Toshiba EX100 controller,

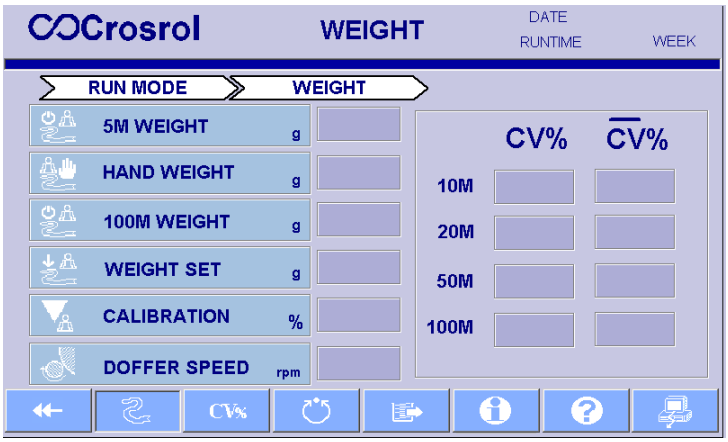
The New PLC controller together with Full color Touch Screen Display offers significantly superior processing speeds, which aid Auto-leveling response times and accuracy's.

Continuously updating graphical status reports on a clearly structured series of screens allow for complete machine operating data including production rates, operating speeds, quality information (Sliver weight / CV%) and routine service requirements to be displayed.



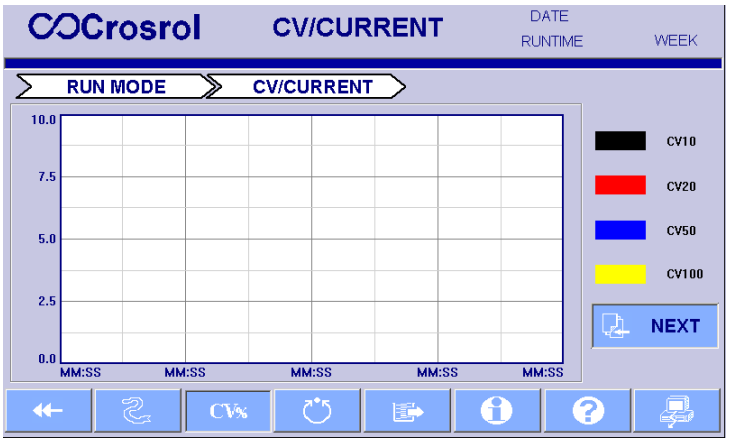
Main operating screen showing current machine running status,

Pictorial Fault indication together with suggested remedial actions

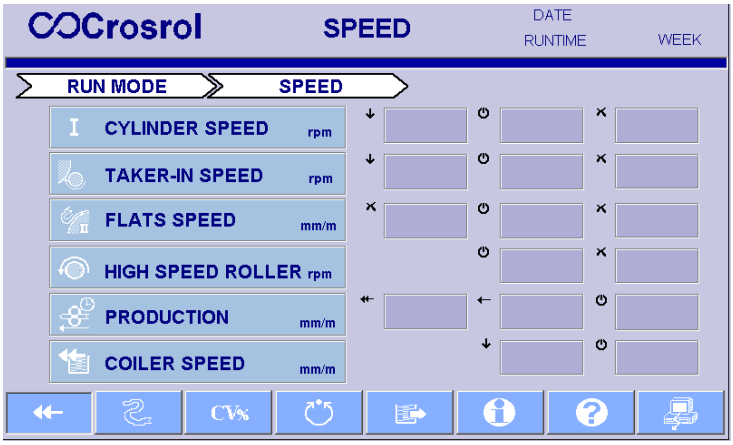


Sliver Weight control screen, showing current running weights together with average running weights during the present shift.

Simple Weight calibration system resulting in precise machine operation.



Graphical CV running weights (Both present and Historical) for multiple sliver lengths (10M / 20M / 50M & 100M).



Roller & Flat operating speeds together with safety under-speeds can be viewed and set as required

Password protection prevents un-authorized adjustment of critical data.

Parts included in the Change Kit: -

- Siemens S7-300 series PLC controller (European origin)
- Full Color industrial Touch Screen Operating Display (800 x 480 Pixels)
- Connection cables between Operating display and the PLC controller
- New control facia Plate
- Full instructions on how to connect the New control system to your old Carding machine; Installation time of less than 6 hours can be expected.

Further possible benefits after the installation of the New Controller system: -

- Introduction of Conversion Kit **K-004** - Mid-Term auto-leveling with Dial-in Taker-in speed control.
- Introduction of Conversion Kit **K-002** - Variable speed pressure controlled Chute feeds resulting in vast improvements in short term CV's.