

Safety from LTi: Safety upgrading made easy

Do you - like many other machinery manufacturers - go into a cold sweat or get a bad conscience when you start thinking about implementing the new safety standards? Are you, too, having to rethink your entire machine safety concept by December 2009, because the drives and components you have been using to date are not approved in line with the upcoming norms? With the new SMC safety control and the drive controllers of the c-line Drives series with integrated STO (Safe Torque Off), LTi DRiVES offers you a solution which will enable you to continue shipping SAFELY in future and will not fundamentally place your machine safety concept in question.

The new SMC safety control enables your tried and tested machine to be made safe by a sequence of simple manual actions, without modifying the safety concept. The 'Safe Monitoring PLC' programming interface enables you to simulate the safety concept of the old machine based on the new safety functions (STO, SS1, SS2, SOS, SLS, SLI, SDI, SLP etc.) in one program. The functions are implemented by simply monitoring the tried and tested motor/encoder combinations, without influencing the machine design.

The internal processing of the safety functions means many permanent-wired safety relays can be eliminated, resulting in improved productivity and cost-effectiveness for your machine.

The SMC safety control supports evaluation of familiar, safe capture units such as emergency stop buttons, permission switches, mode selector switches, guard door switches, deadlocks, walk-on mats, light grids, light curtains, laser scanners and even two-handed controls. The flexibility of programming, parameter-setting and configuration means virtually any machine concept can be simulated in the SMC safety control. When programming is finished, the 'Safe Monitoring PLC' saves the data to the control and supports you in validating the complete safety system. The user-friendly data handling enables you to integrate the LTi SMC safety control into your production process in an optimum way.

LTi has the right safety solution for every machine - whether for a tried and tested machine safety concept or a brand new one. Thanks to the wide performance range of our modular SMC series, with monitoring of up to two drive axes, 58 safe inputs and the interface to a control system, we can implement even the most complex machine.

In conjunction with the c-line drive controllers (2.1 - 250 A) from LTi, with integrated STO, you are provided with a self-contained, fully unified safety system.

All in all, the SMC safety control offers the right solution to fit your tried and tested machinery for the new standards with no major effort and expense, or to fit out a new machine in a flexible and efficient manner. Thanks to the 'Safe Monitoring PLC' programming interface and the

modular options concept, you can achieve previously unheard-of flexibility in order to design your machinery fully in line with your customers' requirements. Our highly trained LTI safety experts will be glad to help you upgrade your machine.



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