Software for Visualising Painting Booths

Identifying and Resolving Faults Quickly

Painting lines should be easy to operate and any faults that occur need to be detected and rectified rapidly. In order to ensure that these requirements are met, a software package that can be used to visualise painting booths has been updated. It enables faults to be displayed accurately and clearly and provides relevant information about troubleshooting.

Dürr has developed a new version of its software (EcoScreen) for fault diagnosis in painting lines. It has a number of new features which make it significantly more user friendly. In the updated version, fewer fault messages are listed on the screen, with only the original fault being displayed highlighted in red, rather than the resulting chain of faults as well. As a result, the operator can identify the fault more easily without having to search for it in the list of subsequent faults on the display.

In addition, a list of possible causes is shown for each fault, together with

the measures needed to rectify it. The messages for each individual robot are displayed in separate windows. In the previous version of the software, these messages were listed together in unfiltered form.

Graphical diagnostics for the conveyor system

For the first time, the software also provides a graphical diagnostics function for the conveyor interface. This shows the operating and release modes of the conveyor system in a way which is easy to understand, even for non-specialists. The graphical diagnostics function

is used when the machine is operating in automatic mode and the conveyors with the vehicle bodies are no longer moving. This is usually caused by a general problem, such as someone entering the spray booth during the painting process or a fault with a robot. To allow the fault to be rectified quickly and efficiently, the current status of the conveyor is displayed, together with the appropriate measures.

The new intuitive user interface guides the operator step-by-step through specific activities, such as starting timed or fixed position programs. It provides information about

which measures are to be taken and why certain actions cannot currently be carried out. This makes it possible for less experienced employees to operate the system without problems. The new software version has been incorporated into all new Dürr painting systems since the start of 2015. ■

A software package is used to visualise spray booths which makes it easier for the operator to identify faults and their causes.

Contact:

Dürr Systems GmbH, Bietigheim-Bissingen, Germany,
Tel. +49 7142 78 0,
apt@durr.com,
www.durr.com