

Avoid scrap and save money

MEDEK and Shörner's video print quality monitoring system (VST) is a favourable method of avoiding scrap and saving money.

The VST video stroboscope has been designed to continuously monitor the print quality of fast running cable printing machines. The system also offers the convenience of being able to view the entire print area at various magnifications on a monitor screen.

The integrated software allows various evaluations of the displayed print area; eg alarm in case of bad quality and/or missing prints. The system can also be used for inspection of the insulation quality and the correct colour.

The VST system offers more comfort to the operator allowing for easy inspection of the print and/or insulation quality. Additionally checking the quality on screen offers more safety to the operator since he can control the image from a distance and does not have to check close to the fast running cable.

The biggest advantage is to save a lot of scrap by real time inspection and



○ The VST from Medek & Shörner

alarm, so that the price of the VST will amortise and pay for itself after a few manufactured drums of cable.

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Hybrid fibre and copper cable

Hradil Spezialkabel, Germany, introduces a new hybrid cable including both a fibre optic (FOC) and a copper cable. This specific broadband hybrid cable adds up to Hradil's FOC business segment and combines two benefits.

On the one hand, the optical fibres enable high data rates for the network layer whereas the "conventional copper cores" ensure the power supply and carry triggers and signals for the connected applications.

Using the keyword 'fibre to the home', the optical fibre technology has found its way into the private customer field. The ultimate ambition is that all voice and image data be broadcast without loss to the end-user.

This requirement constitutes one of the main FOC properties which Hradil exploits in its new hybrid cable. The optical fibres enable a lossless transmission of the optical signals over a great distance without repeater and therefore make demanding applications like eg 3D-television (far above 100Mbit/s) possible.



○ Lateral view of Hradil fibre optic hybrid cable

Jürgen Albrecht, Hradil product designer for special cables, said: "There is no way a copper cable could keep up with these advantages. The optical fibre technology offers a full symmetrical bandwidth, for example for the down- and upload of data."

In addition, its price is much cheaper than the copper technology, which constitutes another plus.

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