

## Modified power supply units in industrial production lines

For UV-LEDs for the hardening of plastics



Equipment used from the portfolio of Schulz-Electronic:  
· Voltage-programmable DIN rail power supplies HSEUreg

### The challenge

For our customers, just as for Schulz-Electronic, solving special challenges is both their passion and their daily business. For a new machine project, one of our customers required DIN rail power supplies with sense lines, to supply UV-LEDs with stable 28 Vdc.

### The solution

The modified power supply units from Schulz-Electronic are used for the exchange of fixed voltage supplies (Sitop) in the production line of an end customer in Singapore who produces plastic packaging. The UV-LEDs which are used to cure plastics are supplied with 28 Vdc. Depending on the process concerned, the output of the LEDs varies between 20 and 150 Watt.

When selecting suitable HSEUreg devices (480 W and 28 Vdc fixed voltage, with sense lines) the sense lines played an important role, because voltage drops along the long supply lines had to be compensated – a deviation as small as 0.5 V would already have a negative effect on the curing process.

Now 12 power supply units are in use in each production line, enabling production to proceed smoothly.



At [www.schulz-electronic.de](http://www.schulz-electronic.de) you can find out more about our projects. And of course you're welcome to get in touch with us any time you need a (special) solution – we will always be pleased to listen to your requirements!