



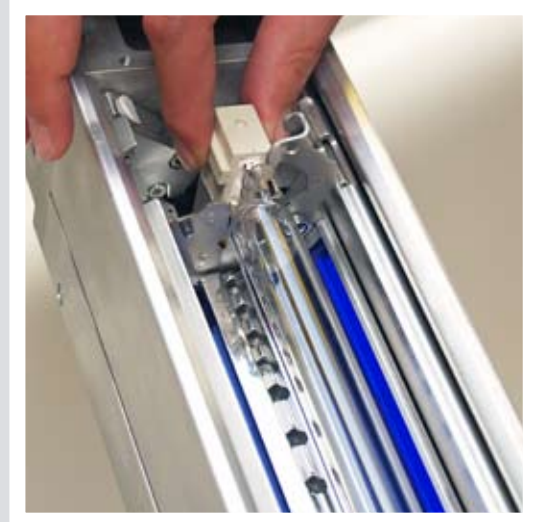
PRINT PERFEKT

Hi-Cure UV drying system

Hi-Cure UV modules

Hi-Cure UV integrated modules are the heart of the Grafix UV-drying technology:

- **Maximised UV hardening yield thanks to patented reflector and lamp geometry**
- **Reduced energy consumption**
- **Cool UV application thanks to high water-cooling ratio in excess of 50 percent**
- **Maximum flexibility thanks to identical, interchangeable final and intermediary UV drying modules**



Hi-Cure modules provide absolutely peak performance in everyday use, even for heat-sensitive printing substrates. They open up a whole new world of demanding colour and paint applications, and also enable high printing speeds. The specialised radiation concentration successfully achieves maximum UV hardening yield and ensures cost-effective energy consumption. The modules are mounted on bearings and can easily be removed from the printing machine. Mounting positions can be changed at any time, even in the intermediate drying area when fitted with docking stations.

Minimal maintenance

A wealth of small details guarantee the Hi-Cure UV module's minimal-maintenance and extended life cycle:

- **Tool-free rapid lamp changes**
- **Hose-free coolant water flow through the module with large, effective channel width**
- **Separate replaceable reflector coatings**

The design of the coolant water system ensures trouble-free, age-resistant operation. Further design advantages really do pay off after a few years: This is the case with the socket-fitted UV lamp, which can be replaced without tools in less than a minute, or the dichroitic reflector coating of the shutter, which were required can be replaced separately and thus economically.



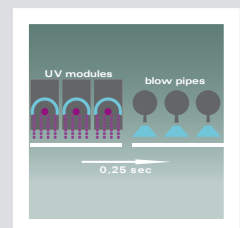
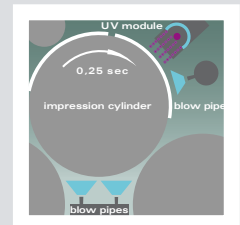
PRINT PERFEKT

Hi-Cure UV drying system

Heat Management

In addition to the water cooling and the heat-absorbing dichroitic reflector coating, air cooling dissipates heat as well as paint mist and ozone-laden air. Quartz glass panes also keep heat away from the substrate, but above all protect the lamp and reflector from dirt.

For heat-sensitive film printing, cold air flows are also blown onto the impression cylinder itself as well as the cantilever arm, in order to achieve particularly low temperatures directly on the substrate. Grafix or your international Grafix partner will be happy to advise you to optimise your heat management to the conditions of your printing machine and your printing needs.



Energy & Option

With Grafix, you can choose from two power supply systems, both of which are perfectly suited to the Hi-Cure module and equipped with **Speed-up-Starter technology** for instant lamp starts, even in warm conditions:

- **Electronic power supply (EPS) for minimised energy costs and increased efficiency levels**
- **Grafix transformers for effective, robust radiant yield**

Both systems are winners not only because of their time-saving Speed-up-fuses Starter technology, but also because of their modular and thus flexible construction, their low-voltage fuses and their lamp-saving start phases. They are optimised in terms of energy consumption and radiation concentration.

Automatic Speed Control (ASC), which is fitted as standard, also guarantees the selected performance setting, even at different speeds, and thus also minimises energy consumption.

Wash & Produce: Frequent offset blanket washes make Wash & Produce a profitable option offered by Grafix, depending on the printing machine and manufacturer. This enables the wash process to be completed in stand-by mode, without the legally-required downtime. This extends production time by five minutes per wash cycle.