

UVIR

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LEADERS IN UV CURING AND IR DRYING EQUIPMENT

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UV+IR ENGINEERING (Pty) Ltd was established in 1978 to design, manufacture, install and maintain infra red and ultra violet equipment.

Applications range from drying of minerals, process heating and drying, curing of inks resins, glue, paints, and sterilization of contaminated surfaces.

FEATURE	BENEFIT
Locally manufactured.	Using only locally available components, spares etc. Designed for local needs. Our equipment is built for ease of maintenance and reliability.
Design Philosophy.	Our equipment is designed to be rugged and simple to install, operate and maintain.
International standards.	In order to compete on our exports, quality and safety standards meet and exceed international standards.
Exports.	We export systems to South America, USA, Europe, Canada, Russia, Africa and Indian Ocean Islands.
Research and development.	Being far from the European and US markets, we have had to develop systems for machines which were never designed to accommodate our equipment. This has placed us in a position to supply tailor-made equipment for any application.
Experience.	For over 30 years we have been installing Ultra Violet and Infra Red systems. We have supplied more than 1200 machines in over 200 variations during this period.
Innovative.	Being close to the printing industry, we have introduced a number of innovative products. An example of this is our automatic conveyor belt tracking device and our lamp intensity sensor.
Belt tracking.	Due to the nature of fibre glass reinforced Teflon conveyor belting, it is difficult to adjust and maintain the tracking of the belt. To solve this problem, our engineers have developed an automatic belt tracking device which requires no attention and is now supplied as standard on our conveyor systems. Not only does this ensure the smooth and maintenance free running of the conveyor, but increases belt life by 300 %
Our clients stay with us.	Clients who have installed two, three and even FIVE of our systems include: Bevcan, Krauss & Steineman, UVP, UV Coat, Kase USA, Mondi, Nampak, Sicpa, Coates, Renform, Mauritius Stationer Manufacturers, SA Bank Note company, Pail Print, De Beers, Anglo American, Diavik Diamonds, Alrosa, Transhex, DRA.

- Flexibility. We are completely flexible in our designs and can supply stand-alone, modular, bench-top, or custom designs.
- Economical. Our locally produced equipment is not only versatile and efficient, but also economical. We even offer a choice of powder coated colour finishes to match other machines on the floor or in the house colours of the client.
- Documentation. All equipment is supplied with comprehensive operating manuals, which include maintenance routines, spares list, trouble shooting guides and electrical wiring diagrams.
- Service. We maintain a 24 hour per day, 7 days per week service via telephone, cell phone and e-mail. Private telephone numbers of key service personal are supplied to customers. Spares and components are dispatched within 8 hours of order, depending on time zone.
- Safety. While UV is very efficient, the safety aspects have to be 100%. The escape of ultra violet can be very dangerous. Our equipment is built to ensure absolute safety for any personnel near the machine. This meets and exceeds international standards. To this end, we do a full 3 wave length UV radiation audit and issue a safety certificate with each machine supplied. UV+IR Engineering is licensed to manufacture UV equipment as prescribed by the Department of Health - Directorate Radiation Control.
- Control and monitoring. A most important part of any drying application is control and monitoring. This is the backbone of our expertise and success. We offer manual, semi-automatic or fully automatic drying processes control employing Programmable Logic Controllers or fully computerized controlled systems. Temperature and moisture measurement, feedback and control are vital to any process where repeatability and consistency of production is critical.