



## Environmental Position

### IIMAK TTR products are designed to leave a lasting impression, not our process...

For years, IIMAK has placed an emphasis on sustainability throughout our organisation. From R&D to materials procurement and operations to manufacturing, our teams continually seek new and innovative ways to meet customer application demands while minimising environmental impact.

Our operating facilities represent primary opportunities for us to minimise our environmental impact on a daily basis. At IIMAK, several initiatives have been put in place to significantly reduce our carbon footprint, while also helping improve sustainability efforts for other local businesses. In short, we practice "Reduce, Re-use, Recycle" on a daily basis.

#### Reduce

- We recover over 95% energy from our coaters through ceramic "chambers" that retain heat and act as radiators for supplying heat to other parts of the facility. This enables us to bypass natural gas-supplied heat for over 6 months of the year, reducing use by 80%.
- Manufacturing machinery uses outside air for approximately 6 months per year to cool equipment, saving electricity.
- Over the past 10 years, IIMAK has reduced its total electrical use per unit by 30%.

#### Eco-Friendly Production

*Our inks are designed with green initiatives in mind. IIMAK's dedicated R&D teams continually investigate ways of maintaining superior product quality standards with alternative materials and processes to reduce environmental impact.*

- In general, IIMAK generates only 133g of carbon dioxide to produce a 110mm x 300m ribbon.
- Our inks are designed and produced to extremely tight tolerances, minimising excess use or waste of valuable raw materials.
- Cardboard ribbon cores are made from 100% post-consumer recycled paper stock.
- Our ribbons contain no SVHCs or heavy metals and fully comply with REACH, RoHS, and many other environmental standards.

#### Use of Solvents

All of our TTR inks are solvent free in their finished state. Solvents used in the manufacturing process are removed and managed through dedicated systems.

#### FlexMark Eco – another green initiative

FlexMark Eco standard wax uses no solvents at any stage of its production. It can therefore be offered to end users who are concerned about solvent use.





## Re-use

- IIMAK sends waste materials to other companies for energy generation. In some cases, waste is converted into steam and electrical energy that feeds the power grid. Also, waste is used by a fuels-blending programme and used for heat by cement production plants.
- IIMAK recycles all cloth rags used for cleaning during the production process. Dirty rags are collected, laundered off-site and returned to IIMAK for re-use.

## Recycle

- Materials are reclaimed, purified and re-used during the manufacturing process, resulting in significantly less waste as well as conserving raw materials. For example, a solvent recycling system was installed in 1997 resulting in the recycling of processing solvents.
- We work directly with our suppliers to recycle scrap raw materials - all scrap PET is collected and sent back to the suppliers for recycling on a monthly basis.

## Sustainability in Action

We manufacture to emission levels below U.S. Department of Energy regulations in an effort to minimise our carbon footprint. In fact, IIMAK's regenerative thermal oxidation system is 99% efficient in capturing and destroying all process emissions from the facility. IIMAK typically operates its facility over 70% below its emission cap.

Our employees are driven to remain *Your Partner in Growth* by providing industry-leading products and world-class service. You can be confident that we do this with environmental sustainability in mind through dedicated material reduction, energy recovery and conservation and other eco-friendly initiatives.



## Additional Efforts

Environmental responsibility extends beyond our operating facilities. IIMAK employees actively participate in positive environmental and sustainability programmes. We have instituted several eco-friendly policies, including:

- Automatic light shut off for all office workspaces.
- Office temperatures are adjusted for non-working hours and weekends.
- Fluorescent light bulbs are collected and recycled.
- Employee incentives for positive health-related practices.
- Collection bins placed at every workspace for convenient paper recycling.
- Recuperation of rain water through a rain water collector.
- The building is equipped with extra insulation.



- Electricity generated from solar panels exceeds plant consumption.

