

## FLAINOX TARGETS CARBON EMISSIONS

Flainox is showing its new Universal NRG garment rotary dye extractor, for which it has calculated the full lifetime CO<sub>2</sub> impact. It claims the user can cut greenhouse gas emissions by 29%, representing a saving of \$1.6 million over the typical 15-year lifespan of the machine.

The Italian company, in Hall W5, Stand C 70, says the carbon footprint of the new machine has been investigated over its complete lifespan, from the extraction of raw material and manufacturing, to the use of the end product by consumers, and end-of-life



processes. The impact analysis was limited to emissions that have an effect on climate change (carbon dioxide, methane, etc).

The study focused strongly on 'hot spots' for eco-design on and eco-efficiency improvements,

### Flainox锁定碳排放量

Flainox公司展出了其新款通用型NRG成衣旋转染色脱水机，并计算了其全部使用寿命内得CO<sub>2</sub>影响。公司称，用户可减少29%的温室气体排放量，这也意味着在本机器标准15年的使用寿命内将节省160万美元。

该家在展厅W5展位C70中展出的意大利公司称，该新型机器已被调查研究了其全部使用寿命内的碳足迹，从原材料脱水到制造，再到客户终端产品的使用，直至使用寿命到期的全过程。影响分析仅限于对气候变化有影响的气体排放（二氧化碳、甲烷等）。

该研究专注于生态设计和生态效率提高的“热点”，为旋转染色引发了一种新的能量理念，即Flainox公司所谓的“NRG”。

据称，通用型NRG在其整个寿命周期内（大约15年）的碳足迹相当于18830吨的CO<sub>2</sub>，其中使用阶段中的温室气体排放量高达99.7%。Flainox称，使用该新型机器，每台机器可实现5500吨的CO<sub>2</sub>减排，与标准型号相比提高了23%。仅一年时间内，意大利生产现场的碳足迹就被减半。

与NRP/通用系列所达到的标准8-

12:1相比，NRG低达4:1的浴比得到了明显改善，Flainox称纺织厂用户可实现更低的碳足迹、更低的能耗和更低的成本。

leading to a new energy concept for rotary dyeing, which Flainox calls 'NRG'.

It says the carbon footprint of the Universal NRG, through all its lifecycle - estimated at 15 years is 18,830 tonnes of CO<sub>2</sub> equivalent, with 99.7% of greenhouse-gas emissions occurring during the usage phase. Flainox says that with the new machine it has already achieved substantial a CO<sub>2</sub> reduction of 5,500 tonnes per

machine, equivalent to more than 23% in comparison with the standard model. The carbon footprint of production site in Italy has been halved in one year.

With a liquor ratio that can be as low as 4:1, compared with the standard 8-12:1 already achieved with the NRP/Universal range to which the NRG is an addition, Flainox says the textile-plant user can achieve a lower carbon footprint, less energy consumption and lower costs.