

SOLVENT RECYCLING TECHNOLOGY



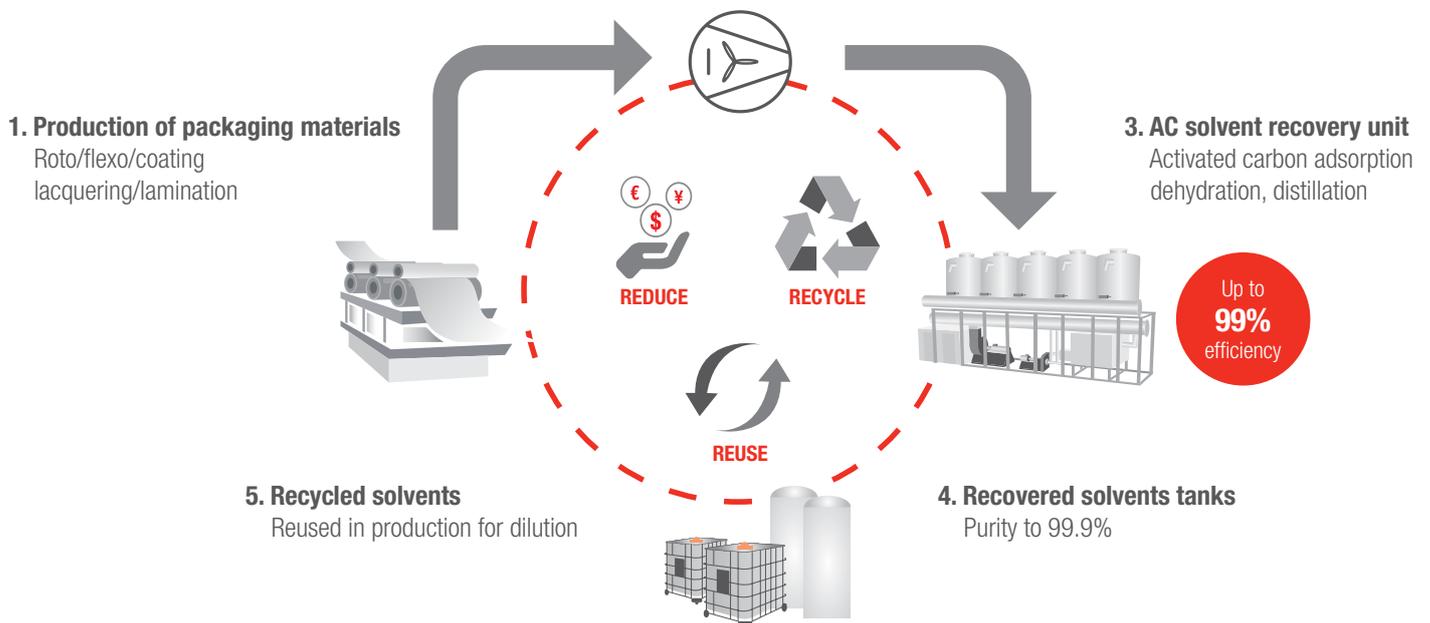
SOLVENT RECYCLING TECHNOLOGY TO MAXIMIZE PROFITS & PROTECT NATURE

Solvent Recovery Units (SRUs) make a big difference to the balance sheet of flexible packaging converters, and at the same time they are key to achieving long-term sustainability because of their contribution to the environment.

We at Rieckermann provide consultations to packaging printing and converting companies to help them optimize their solvent-handling processes and increase environmental protection through proven recycling technologies. Our solution covers **solvent recycling from exhaust air** in the printing, laminating, and coating process.

SOLVENT RECYCLING FROM EXHAUST AIR AIR TO LIQUID

2. Exhausted vapors/fumes suction From inks, adhesives, varnishes



Solvent Recovery Units: Protect the environment & increase profitability

The solvent-based manufacturing market is on the rise. Besides soaring input prices, constantly changing global, regional, and local environmental regulations make it difficult for companies to stay economically sustainable if they do not adjust their production technologies.

Solvent Recovery Units are the key to solve the problem. Through pioneering activated carbon technology, **almost all the solvents used can be recovered with up to 100% virgin quality.** This is ensured by a regeneration process using activated carbon particles that work like a magnet, binding the exhausted solvents from the air.

YOUR BENEFITS FROM SOLVENT RECYCLING



Reduced operating cost

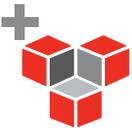
- Eliminates the need to purchase fresh solvents
- Short ROI of approx. 1-2 years



RECYCLE

Positive environmental influence

- Recycling raw materials at 100% constant quality
- Up to 99.9% clean air
- Minimization of CO₂ emissions
- Mono & blend separation



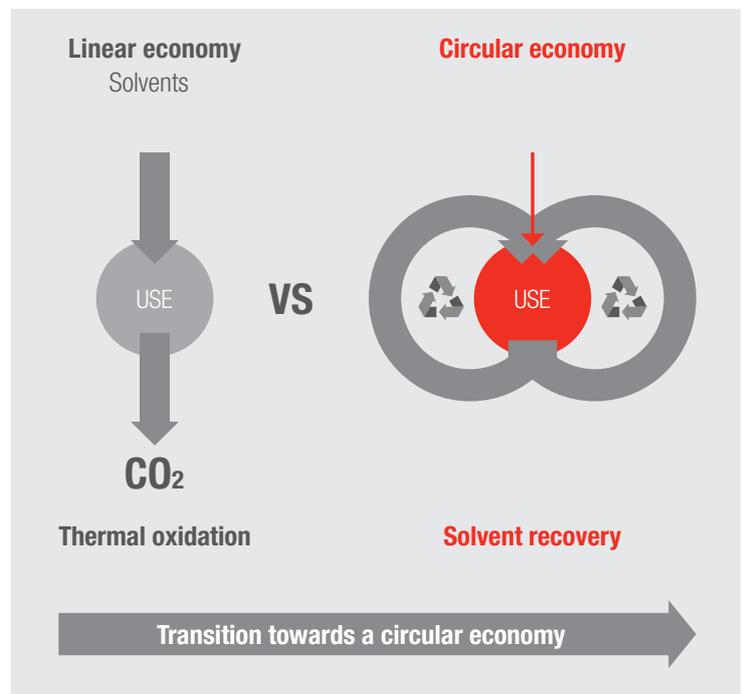
System benefits

- Proven technology
- Long system lifetime (30 years+)
- Easy expandability (100% modular system)

The recovery process is very efficient. Besides the recovery of solvents, **thermal and electrical energy consumption is reduced as well as water consumption.**

No harmful gases are released into the environment. Due to the high quality of the recycle, no new virgin solvents need to be purchased, which also makes transportation redundant. Possible excess capacities of recycled solvents might even be sold. Thus natural resources are preserved and OPEX lowered, resulting in a **short Return of Investment (ROI).**

SRUs HELP YOUR TRANSITION TO A CIRCULAR ECONOMY



Application processes

- Printing
- Laminating
- Coating

CONTACT US TO LEARN MORE

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