

Case Study



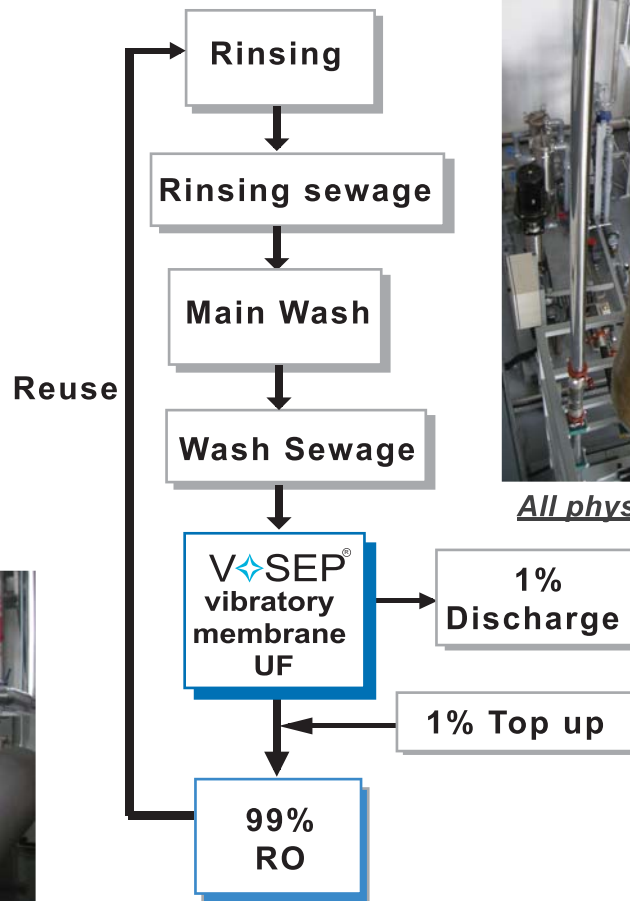
Knitting Factory 99% Water Recycling

A newly-built Taiwanese factory in Jiangsu province manufactures high-end electronic cleansing cloth. Process includes knitting, washing, and drying. Daily production capacity is 10 tones. The product is unavoidably stained with knitting oil, which must be completely removed. Daily water consumption is 240 tones. To reduce environmental impact, waste minimization concept has been introduced in design phase.

Dunwell proposed a completely physical, non-chemical water recycling system to this client. The system consists of an ultra-filtration vibratory membrane (VSEP UF) and a conventional spiral RO to recover 99% of wash water back to RO level (COD undetectable, conductivity less than 10µS/m2).



All physical water recycling system



Washing

Model	i84	i36	P
Treatment Capacity (Daily)	220 - 240 m ³	90 - 95 m ³	3 - 4 m ³
Treatment Capacity (Hourly)	9 - 10 m ³	3 - 4 m ³	140 - 150 L



Dunwell VMAT Co. Ltd.
8 Wang Lee Street,
Yuen Long Industrial Estate,
N.T., Hong Kong.

Tel: (852) 2443-8188

Fax: (852) 2789-3346

Email: vsep@dunwellgroup.com

Website: www.dunwellgroup.com



Knitting