

Thin-film & Wiped-film Evaporator Repair & Field Service

LCI Corporation's expertise in thin-film and wiped film evaporation technology is based on over 40 years of experience in the sales, service, and application of this unique equipment.

Repair to Original Design Specifications

In addition to our forty-year history with Luwa and Buss-SMS-Canzler thin-film evaporators, LCI acquired the following product lines:

- **Turba-Film®** (formerly manufactured by Votator, Cherry-Burrell, and Rodney-Hunt)
- **Ajust-O-Film®** (formerly manufactured by Kontro)
- **Roto-Vak®** (formerly manufactured by Blaw Knox)

With these acquisitions came technical documentation enabling LCI to restore these thin-film evaporators to the manufacturers' specifications.

Certified Repair

In our 24-hour repair facility, we perform all aspects of repair and modification to maintain existing *ASME U-stamp certification* and design intent. Large machining and dynamic balance capabilities enable us to repair, modify, upgrade, and evaluate evaporators of any size.

Rotor Expertise

The most sensitive and difficult component to repair/refurbish is the rotor, a fabricated component machined to close tolerances and constructed of various alloys commonly used in the chemical, petrochemical, pharmaceutical, and food processing industries.



It is also the most critical element of a thin-film evaporator due to the fact that rotor-to-wall clearance has the largest effect on overall efficiency. Improper clearance can result in severe damage, can drastically decrease processing rates and capacity, or may cause fouling and off-spec product.

Rotor-to-wall clearance varies according to process application and the nominal size of the thin-film evaporator. LCI is most qualified to assess the condition and recommend the appropriate corrective action when needed.

LCI can provide on-site engineering services to evaluate excessive vibrations, rotor balance, erosion, corrosion, thickness, and inner/outer wall thicknesses per ASME



Rotors before and after servicing by LCI.



code design requirements. We understand the pressure of 24/7 operation requirements and respond to meet our customers' needs.



Formerly Luwa Corporation

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