

Transformer Processing

Regasketing · Oil Processing & Degassing · LTC Maintenance · Assembly & Commissioning

We handle transformer field work from initial inspection through re-energization. We own and operate our own equipment and machine replacement parts in-house.

SERVICE 01

Regasketing

Gaskets fail from age hardening, thermal cycling, and improper installation. We replace gaskets on tanks, radiators, bushings, and accessories and confirm oil integrity before the job is done.

- Tank cover, manhole, and drain valve gaskets
- Radiator header and drain gaskets
- Bushing flange and throat gaskets
- PCB check before work and before oil disposal
- Oil sample and dielectric verification after sealing

SERVICE 02

Oil Processing & Degassing

Baron vacuum dehydration and hot oil circulation run continuously on-site. We stay until dielectric and moisture targets are met, not until the clock runs out.

- Vacuum dehydration — removes moisture and dissolved gas
- Hot oil circulation at 60–70°C
- Depth filtration — removes particulates and carbon
- Degassing — strips dissolved fault gases
- ASTM D877/D1816 dielectric · ASTM D1533 moisture

SERVICE 03

LTC Maintenance

Load tap changers accumulate arcing damage, carbon, and mechanism wear. We inspect contacts, service the oil, and machine replacement contacts in-house when needed.

- Contact inspection — arcing damage and wear
- LTC oil drain, clean, and refill
- Mechanism inspection and lubrication
- Timing and transition resistance test
- Contact replacement — machined in Palm Harbor shop

SERVICE 04

Assembly & Commissioning

After major overhaul or rewind, we assemble the tank, fill under vacuum, run a hot oil treatment cycle, and verify insulation before the switch is closed.

- Tank assembly and full gasket installation
- Vacuum oil fill — prevents air entrapment
- Hot oil treatment cycle post-fill
- Insulation resistance, PI/DAR, and power factor
- Commissioning documentation package

WHAT WE BRING

- Two Baron oil processing rigs · EPA licensed · 24/7 availability
- In-house machine shop — LTC contacts, gaskets, hardware
- Southeast crews: FL, GA, AL, MS, TN, NC, SC
- No subcontracted technical scope

CONTACT

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24/7 emergency dispatch

Same-day or next-day response across the Southeast