

# Energy Saving Motor Safe Stripping vs. Burnout Oven Stripping

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ELECTRIC MOTORS, INC.

## Typical Motor Shops



### Motor Safe Stripping Process

Mechanical stripping below 365°F guarantees not to damage the stator core or mechanical dimensions.

- Mechanical stripping using a lower temperature coil removing process.
- No increase in iron core losses.
- No frame damage or distortion.
- No circulating currents or hot spots in the laminations.
- No loss in efficiency.
- No uneven amperage draw or uneven phase heating.
- More time efficient method of stripping.
- Environmentally friendly. Lower energy use.

### Burnout Oven Process

Burnout oven temperatures can exceed 750° F - 900° F, which compromises the integrity of the core.

- Incinerates insulating varnishes and epoxies.
- Increases core loss and reduces motor efficiency.
- Causes frame damage and distortion.
- Damages insulation between laminations.
- Lamination damage causes higher temperatures and uneven amperage draw.
- Time consuming, typically many stators done simultaneously. Process takes 8 to 12 hours.
- Environmental concerns. High energy use.



352 Roosevelt Rd., Glen Ellyn, IL 60137 • 630-469-7510 • Toll Free: 800-922-1882 • Fax 630-469-0155  
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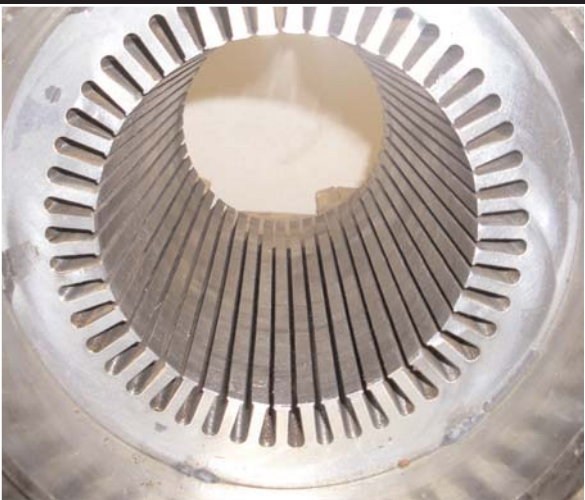
# Energy Saving Motor Safe Stripping



Stator Warmed using Low Heat to Loosen Insulation and Windings



Coils Cleanly Pulled from the Stator using a Hydraulic Pulling Machine



Finished Stator Stripped by Motor Safe Stripping Process Ready for Rewind

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