

# Motor Laminations: Cold Rolled Motor Lam Steel (CRMLS) & Silicon Steel

Your motor's success depends on the material you choose for its laminations. Cold rolled motor lamination steel (CRMLS) and silicon steel are popular choices because of their affordability and versatility.

## ADDITIONAL BENEFITS OF CRMLS AND SILICON STEEL FOR MOTOR LAMINATIONS INCLUDE:

### ✓ CRMLS

- Simple to stamp
- Causes less wear on tools
- Good for applications where high core losses aren't of concern
- Can be comparable to low-grade silicon steel when annealed with an oxide coating
- Maximizes useful energy while minimizing energy losses

### ✓ SILICON STEEL

- Available in a variety of grades, thicknesses and insulation
- Silicon lowers core eddy current losses and increases steel's electrical resistivity
- Good for high-performance applications, such as high-speed, high-efficiency motors
- High permeability

While steel laminations are popular options, your specific application may benefit from a different type of alloy. Talk to the specialists at Sinotech today to learn more about the lamination materials available.