

magnesium capabilities



Keeping it Light

Magnesium is the ideal material for applications where weight saving is a priority, as it has the lowest density of all structural materials. Almost as light in weight as plastic, magnesium has the advantage of greater strength and rigidity, along with inherent EMI shielding and full recyclability.

Magnesium Benefits

- The lightest of all structural metals
- Excellent stiffness and strength-to-weight ratio
- Outstanding EMI shielding properties
- High electrical and thermal conductivity
- Withstands high operating temperatures
- Cost effective against plastics
- High dimensional accuracy and stability
- Exceptional thin wall capability
- Good environmental corrosion resistance
- Good finishing characteristics
- Fully recyclable

DCI Die Casting Benefits

- Cost effective high volume production
- Manufacture of complex net shapes
- Consistent quality over high volumes
- Tight tolerances achieved as cast
- Value engineering achieves cost savings
- Part consolidation eliminates operations
- Minimal draft angles on internal features
- Long tool life
- Lower tool cost on multi-slide process



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