



Investment Casting Benefits at Consolidated Casting Corporation

- ◆ **Weight Reduction**
 - Thin wall IC steel castings offer maximum strength to weight ratios
- ◆ **Premium Casting Tolerances**
 - Tolerances of .003 - .005" can reduce or eliminate costly secondary machining and can often result in a new cast part with little or no waste of material
- ◆ **Excellent Design Flexibility**
 - Design flexibility gives Consolidated Casting Corporation the ability to cast complex shapes and eliminate multi-part fabrications and sub-assemblies
 - Parts are designed exactly as required
 - Duplicated precisely in small numbers (hundreds, thousands or even millions)
 - With proportionate cost advantages
 - No concessions need to be made for draft angles or other alternative process limitations
- ◆ **Lower Tooling & Part Cost**
 - Tooling for molding of the required wax patterns
 - Is often less expensive than conventional diecast tooling
 - Is produced in less time than other types of pattern tooling, resulting in shorter lead times
 - Can be single cavity manual operation or multi-cavity automatic tooling
 - Can reduce total costs for finished parts
 - Has potential life expectancy up to 50 years and one million pieces

