

Earlier this year, at their engineering facilities in Japan, Hitachi Power Tools' engineers developed a groundbreaking technology known as IDI (Internal Double Insulation). IDI incorporates an aggressively designed aluminum housing that is intertwined with a glass reinforced polyamide resin. This process provides the durability of previous metal body tools, while maintaining the double insulation characteristics of today's tools with plastic housings.

It wasn't too long ago that power tools had metal bodies. These metal-bodied tools were very rugged, very heavy, and did not offer much protection against electrical current, especially if their ground wires became damaged.

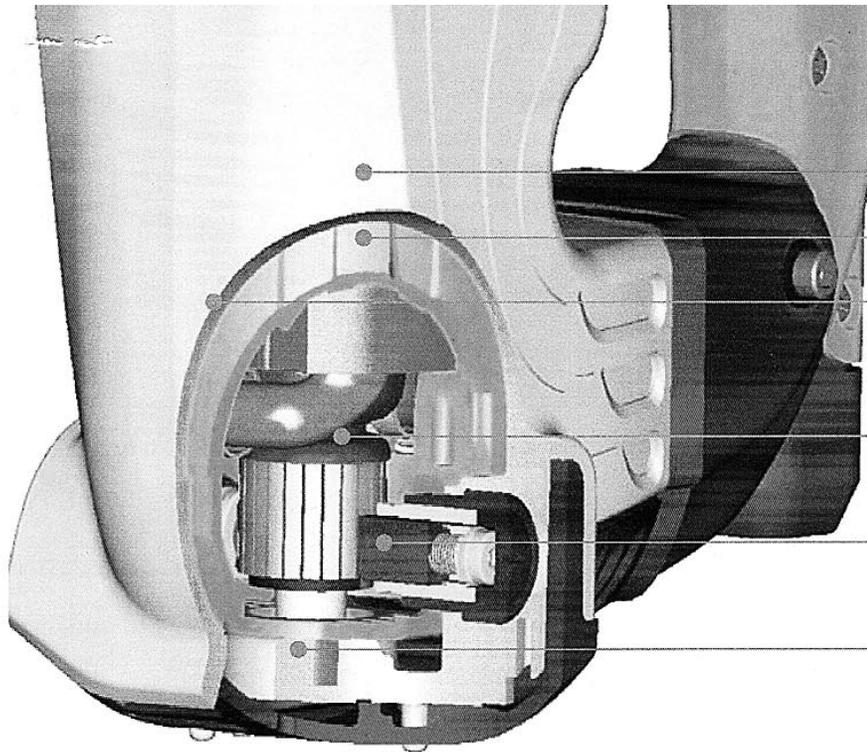
In order to make power tools lighter and increase end-user safety, power tool manufacturers began producing tools with plastic housings. This greatly increased end-user safety and made power tools much lighter. Tool durability, however, was greatly compromised.

With the new patented IDI technology, power tools no longer need a ground wire because they are inherently double insulated. The tool's aluminum housing is intertwined with a glass reinforced polyamide resin. This creates a nonconductive, durable shell that rivals the ruggedness of metal bodied tools while providing the lightweight and double insulation characteristics of plastic housings.

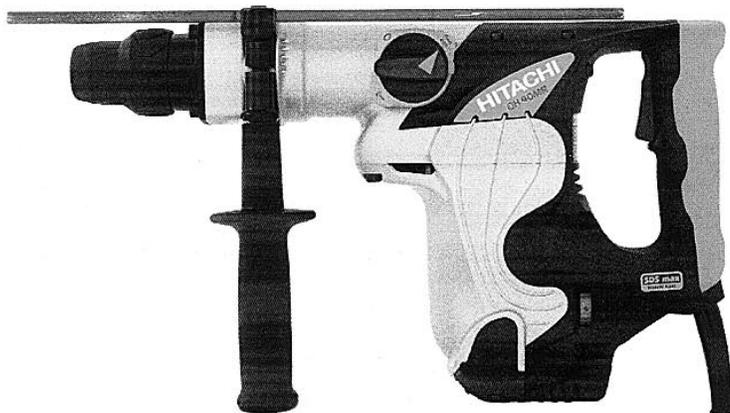
IDI technology allows the tools bearings to be seated in die-cast aluminum instead of plastic. Because die-cast aluminum holds up much better under the intense heat and friction created when a power tool is in use, IDI technology greatly increases tool life.

By creating this new technology that improves end-user safety, increases tool durability, and prolongs tool life, Hitachi Power Tools has made a significant impact on the power tool and construction industry.

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- Die-Cast Aluminum Housing
- Glass Reinforced Polyamide Resin
- Dual Insulation
(Glass reinforced polyamide resin intertwined with outer aluminum housing)
- Epoxy coated, Fiber-Glass tied, high grade copper windings
- Auto-stop Carbon brush features 150% longer life.
- Bearings are seated in die-cast aluminum, not plastic.



Hitachi's new DH40MR Rotary Hammer that incorporates IDI Technology



Hitachi's new H45MR Demolition Hammer that incorporates IDI Technology