



Z. HAYDU MFG. CORP.

ULTRASONIC SCALER INSERT BENEFITS

Quality, in all its phases of business interactions, has always been a cornerstone of business development & operation here at Z. Haydu Mfg. Corp. (ZHMC). Our ultrasonic dental scalers reflect this critical part of our company's ability to fulfill the highest quality standards required by our customers. All our scaler inserts are made from the finest materials available in the market today.

Our metal tip is made from a high alloy custom stainless steel & is specially treated to prevent oxidation (rusting). As such, it is not necessary to add a rust inhibitor into the steam autoclave during sterilization. This can reduce the customer's cost of repeated steam autoclave sterilizations.

Our plastic offers greater resistance to material failures from chemicals, force, or heat than any other plastic used for structural integrity in the dental workplace. It has been described in technical meetings amongst plastics design engineers as "THE STRONGEST AMORPHOUS (meaning pure, no fillers) PLASTIC IN THE WORLD". It was specifically designed by GE to be used in harsh environments such as trays for steam autoclaves used in hospitals.

The glazed finish on the plastic surface is homogeneous (meaning "uniform structure throughout") with the plastic. This glazing creates a very smooth surface finish which inhibits the buildup of scaffolding upon which bacteria and viruses grow. Engineers at ZHMC studied several designs before choosing the one that offered the fewest seams, with no sharp inside corners, or other hard-to-clean features that are commonly found on other dental scaler inserts. Our current design reflects our concerns regarding cross-contamination and carryover. We think these benefits outweigh any aesthetic appeal our competitor's products may have.

Our magnetostrictive generator stacks (the thin dark green metal leaves in the back of the insert) are made from a very special alloy produced only twice a year on average. This special alloy uses strategic metals that can generate a strong ultrasonic wave-form when placed inside an electromagnetic coil. The brazing compound has a high silver content which is known to kill bacteria & virus on contact.

Due to the fact that we use the highest quality materials available, our dental tip is now RoHS compliant which enables it to be easily shipped throughout Europe.

Even our o-rings are made from elastomeric materials that have a high resistance to a wide variety of chemicals. This is why you can soak a used dental insert in isopropyl alcohol before rinsing, drying, & steam autoclaving for reuse.

Finally, our manufacturer's warranty is one of the best in the trade if you should ever have a problem.

As you can see, our ultrasonic dental scaler inserts are highly engineered to be some of the very best inserts available. We offer the highest quality products at a fair price.