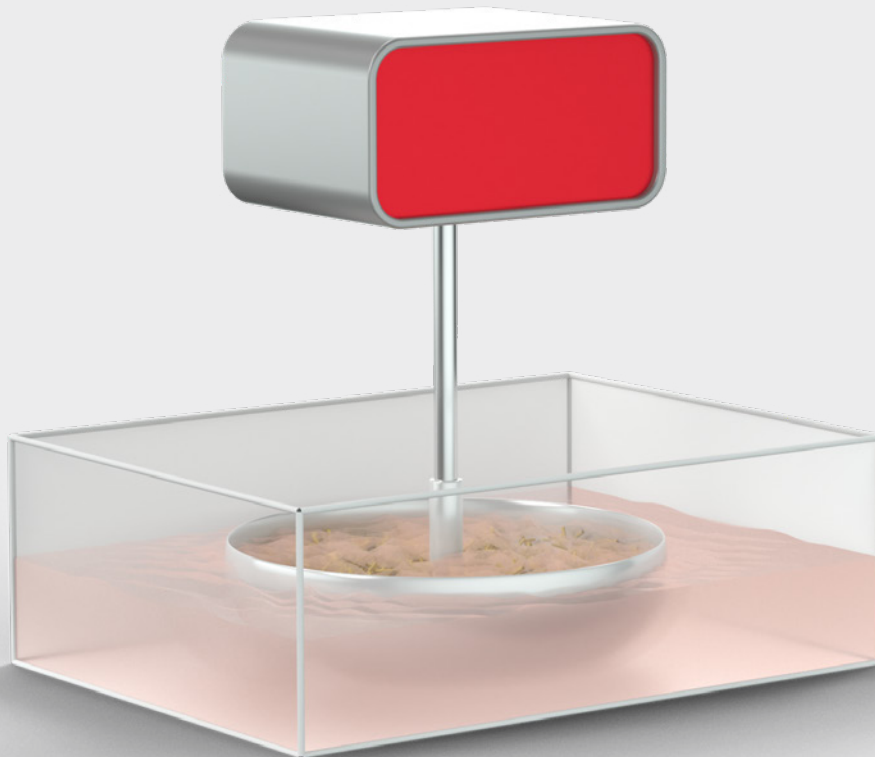


SINGLE-PART PLATING

VIBROBOT TECHNIQUE

We use vibrobot technique for highly sensitive small parts that can get deformed, stuck or compacted in the barrel. This method uses vibration to agitate the parts gently inside a basket; they slide gently in one direction, preventing deformation caused by their own weight. The result is a very precise distribution and diffusion of the electroplating layers.



VIBROBOT TECHNIQUE AREAS OF APPLICATION

Vibrobot technique is particularly suited to the processing of parts with sensitive contact tips. It is also very popular for deep female contacts and the gentle processing of test pins on circuit boards. Vibrobot technique can be used for the precise plating of long, bulky parts with complex geometries as well as for flat, level parts that would adhere to their platings during barrel technique. Thanks to the custom baskets developed in-house at IMO, all parts – from the tiniest micro parts with diameters of 0.2 mm to long, bulky contact pins – can be processed with high precision at low cost.

VIBROBOT TECHNIQUE TECHNICAL DATA

Plating	<p>> Copper, nickel (electrical, chemical), tin, white bronze, tin-zinc alloys, fine silver, hard silver (silver-antimony alloy), hard gold (gold-cobalt and gold-tin alloys), fine gold, palladium nickel</p> <p>For other types of plating, please contact us.</p>
Dimensions	<p>> The standard size range includes widths starting at 1 mm.</p> <p>Sizes other than these can also be coated; please contact us.</p>
Miscellaneous	<p>> Vibrobot technique allows us to achieve a more homogeneous plating thickness distribution. If the layer inside a bushing or male contact is important for the customer, this process can provide cost savings for the plating with precious metals.</p>

