



# Microassembly

As medical professionals demand increasingly smaller magnetic products, Dexter has enhanced its capabilities in assembling magnetized components in assemblies smaller than 0.030" diameter and 0.030" long. Not only is Dexter capable of assembling medical products of this size, we also machine magnetized assemblies to achieve tolerances and surface transitions sought after in implantable and surgical applications.

Did you know that magnetic orientation angle can become increasingly difficult to control as device size decreases? Dexter has implemented the use of inspection equipment that can read and record magnetic flux and orientation angles in fields as low as 0.005 – 0.05 Am<sup>2</sup>.

If you require enhanced inspection of a magnetized device, Dexter utilizes technology that uses a high resolution (128 x 128) array of hall effect sensors to capture an image of the magnetic field.

Encapsulation, hermetic sealing and conformal coating are several techniques Dexter utilizes to safely bring magnetic devices closer to medical professionals and patients.



## About Dexter

A global leader in the specification, design and fabrication of magnetic products and assemblies.

Since its founding in 1951, solutions designed by Dexter have and continue to positively impact our world daily.



## DEXTER MAGNETIC TECHNOLOGIES

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