

## Matrix Tool's Never-Ending Journey to Innovation

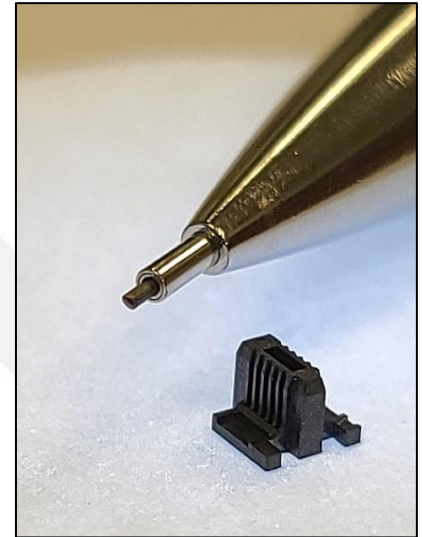
*Medical Product Outsourcing Magazine's* Managing Editor, Mike Barbella researched micromolding's latest trends, challenges and potential future evolution by interviewing more than a half-dozen industry experts. Matrix Tool's Dave Moyak, General Manager and Tom Moyak, Director of Engineering and New Business Development were featured in the article.

**Michael Barbella:** *What are the latest trends in micromolding technology and services?*

**Dave Moyak:** Part miniaturization is a constant trend in nearly every market segment in industry. In a drive to squeeze as much technology into an ever-shrinking footprint, OEMs are looking to suppliers that can help in every phase of the product life cycle. The margin for error is less than razor thin. As an engineering-driven company, we intentionally simplify our solutions to everyday challenges. We accomplish this by applying a fundamentally sound engineering approach we call "The Matrix Way."

**Barbella:** *What are customers demanding or expecting of their micro molded products and have these demands/expectations changed in recent years?*

**Dave Moyak:** Smaller, faster, lighter, better. With traditional plastic parts, the end point is a known destination—using widely accepted manufacturing practices. With micromolded parts, it's more of a journey. What we know and can accomplish today is a significant percentage better than what we could do five years ago and we'll say the same thing five years from now. The end point keeps moving because of the advancements in design, tooling, machinery and knowledge. [More of the complete interview](#)



*0.4 mm fine pitch micro  
molded electrical connector*



*10 micro Plungers  
molded from a  
single pellet of resin*