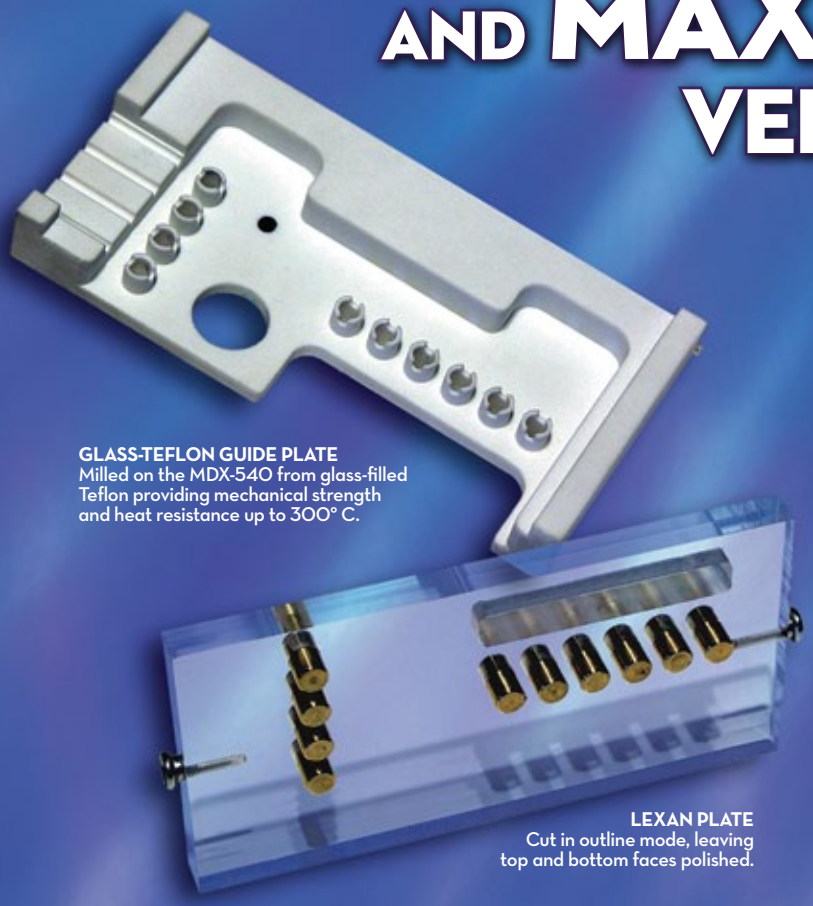
"The process of product development is really accelerated by having the MDX-540. It has allowed me to cost effectively make parts I wouldn't previously consider attainable. The machine's precision is incredible. Its versatility and accuracy are outstanding."

JOE MATTEO
MicroTypes, LLC

PRECISION, ACCURACY AND MAXIMUM VERSATILITY

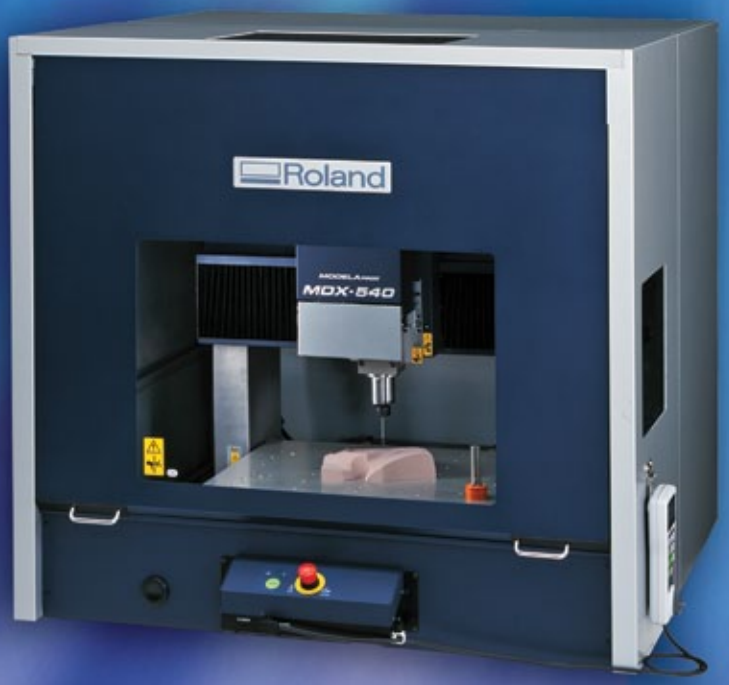
Systems starting under $8,000 US

MDX-540 shown



GLASS-TEFLON GUIDE PLATE
Milled on the MDX-540 from glass-filled Teflon providing mechanical strength and heat resistance up to 300° C.

LEXAN PLATE
Cut in outline mode, leaving top and bottom faces polished.



SUBTRACTIVE RAPID PROTOTYPING GETS MICROSCALE MEDICAL APPLICATIONS TO MARKET QUICKLY AND COST-EFFECTIVELY

Joe Matteo, founder of MicroTypes, LLC, relies on the Roland MDX-540 to produce precision components for high-tech instruments used in medicine and science. The instruments contain micro-scale parts with features as small as 75 microns, approximately the thickness of a human hair. These components need to operate under high heat and pressure conditions which require precision fabrication on a range of diverse materials including aluminum, Lexan™, Delrin™, Teflon™ and PEEK. The accuracy of the MDX-540 allows Matteo to create prototype parts with a fit and finish so precise they can be used in laboratory experiments and medical diagnostic tests. The MDX's versatility means he can produce a part from various substrates, and then test them at high temperature, pressure, and even high vacuum conditions to see which materials and designs perform best. With the MDX-540, he is able to run more design iteration cycles with valuable performance testing in less time than other rapid prototyping technologies, reducing development costs while bringing better products to market. Can your 3D printer do that?

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