

MDMC was able to avoid costly downtime due to the failure of the head traverse adjustment gear for the AMC Schou K1500 and K2000 crankshaft grinders with AM. The traverse adjustment gear was highly worn with numerous broken teeth. MDMC designed a replacement gear and 3D printed them out of MS-1 Maraging Steel. The 3D printed gears saved two pieces of crucial equipment valued at over \$184,000 each for a cost of \$138.59 to design and print replacements.

