Coolant Nozzle Housing

**Company:** Iscar

**Application Sector:** Cutting Tools

**Requirements:** This High pressure coolant accessory for external turning cutting tools works under extreme conditions but needs to be mass produced into high tolerances. The previous production technology was machining.

**Benefits:** By using MIM technology coupled to heat treatment this has enabled in comparison with machining a parts cost reduction of more than 45% with similar physical properties using 4340 steel.

**Final weight:** 13g  
**Product tensile strength:** 1640MPa  
**Product hardness:** 42-45HRC  
**Product elongation:** 3%  
**Process steps:** MIM, Heat Treatment

NEW

www.epma.com/spotlightonpm