

THE MACHINE:
HARDINGE TALENT 51

MACHINE SPECIFICATION

- A2-6 20C CFS collet-ready spindle
- BMT 45 live tooling 12-station with 1/2 Index capability
- Central grease lubrication (manual)
- Foot switch main & sub spindle chuck/collet – open/close
- Headwall coolant(main & sub-spindle)
- Bar feed interface
- Chip conveyor interface

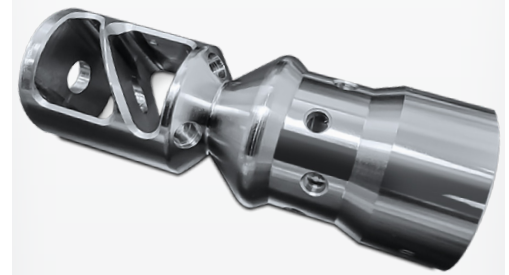
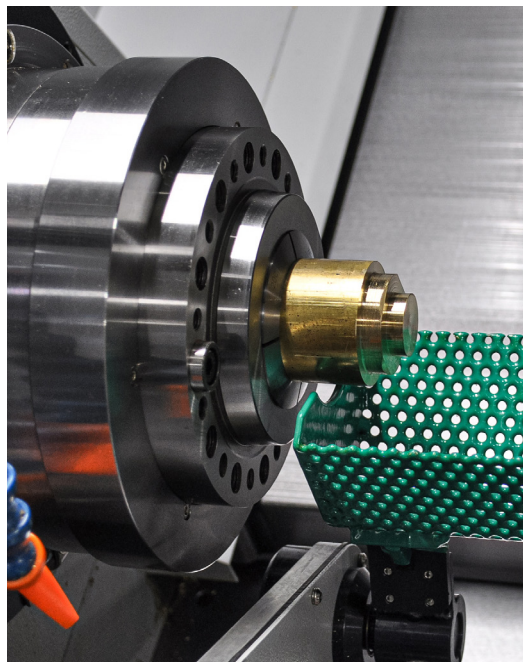
THE INDUSTRY:
FIRE ARMS MANUFACTURING

With higher demands on manufacturers to increase output due to consumer consumption of firearms, they are looking for ways improve throughput, efficiency with cost effective solutions The Talent 51 MSY provides this solution in completing components in single setup applications. In this application the Talent 51 MSY is machining muzzle breaks complete with incremental serialization engraved. Hardinge provides this and many more solutions for manufacturers in all industries.



**FOR MORE INFO
SCAN THE QR CODE**

HARDINGE.COM | 800-843-8801



THE APPLICATION:
WEAPONS AND ARMAMENTS

FEATURES BEING MACHINED

- Main Spindle
- 1.281 OD, 1.075 ID and ID Thread, .292 Through Hole, All Cross-Vent Holes, Angular Vent Holes and Triangular Vent Ports including Chamfers, Cutoff and Transfer with Pull Stock Operations
- Sub Spindle
- Finish of End Face, Face Contour and ID Chamfer
- Part is machined complete for Alloy Steel Bar Stock

PART TOLERANCES

- Size +/- .001" on all diameters and lengths
- Size +/- .003 on all vent port features
- Surface Finish less than 32Ra

TOOL LIFE

- 75+ parts per tool

CYCLE TIME

- 11 min. cycle time

With the Talent 51MSY (milling, sub spindle, Y axis) configuration the 6.5mm Muzzle Break is able to be machined in one operation complete from bar stock. With the use of common tooling very fast change over to different configurations is possible. Custom macro created for serial number engraving including incrementing of the number.