

PISTOL BARRELS

BORE FINISHING Engis Precision Honing

BORE FINISHING

PRODUCT DESCRIPTION: Thru Bore, 8.76mm Diameter x 75mm Long

INDUSTRY: Firearms & Defense

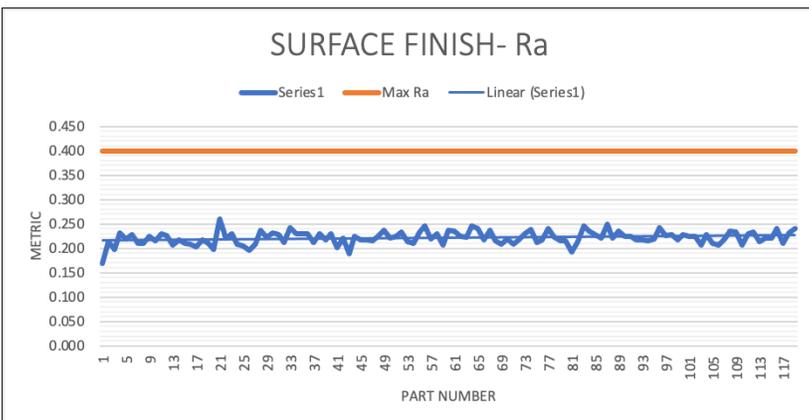
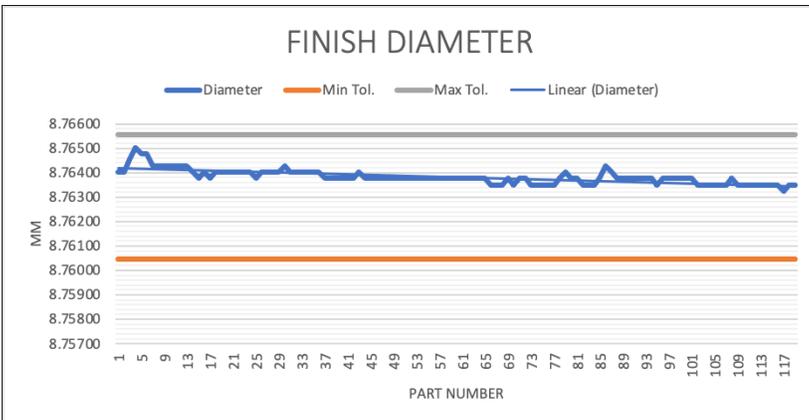
MATERIAL: Stainless Steel

STOCK REMOVAL: 0.130mm

CHALLENGE: Customer was using conventional honing technology. The process was inefficient and had many hidden costs due to tool setup delays, inconsistent cut time from glazed abrasives, additional cycle time due to loading and unloading parts, diameter variation causing excess load on rifling tooling.

ENGIS ADVANTAGE (ENGIS SOLUTION):

- Bore Diameter - 0.005mm Range, > 2.0 Cpk
- Roundness - < 0.005mm, > 2.0 Cpk
- Surface Finish - < 0.25 Ra > 2.0 Cpk
- Production Rate - 60 Barrels per Hour
- Machine efficiency - 97% Uptime
- Tool Change-Over - Approximately 15 minutes every 220,000 Parts
- Machine Operator Skill Rqd - Load Parts and Push Button



World Leader in Superabrasive
Finishing Systems



Lapping & Polishing



Superabrasive Tools



Bore Honing Systems



Engis® offers state-of-the-art technology in the design of flat lapping systems that meet the most demanding requirements.

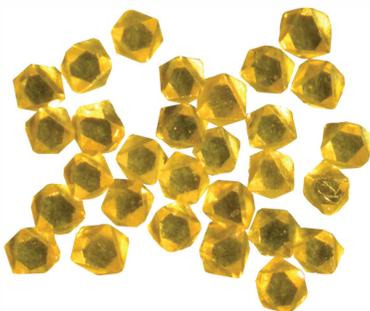


We offer a complete range of superabrasive electroplated products for precision applications.



Multi-Stroke Honing, Single-Pass Bore Finishing & Single-Pass Dual Bore Finishing Systems, Complete Machine Design, Tools & Process Development

Superabrasive Powders



We manufacture high-quality micron diamond & CBN with properties that ensure consistent performance in each application

Mold & Die Polishing



Engis® long trusted brands include Five-Star® diamond compound.

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