

CASE STUDY 39

(HICUT HONE FOR HONING OF LINERS)



CUSTOMER DETAILS :

A one of the leading manufacturer in Telangana manufacturing critical engine parts, supplying to major OEM's.



OBJECTIVES FOR CONDUCTING THE TRIAL

1. To reduce cost
2. No EHS Issues (Skin & eye irritation)
3. Need to achieve the required finish – Ra: 0.8 and improvement in visual finish



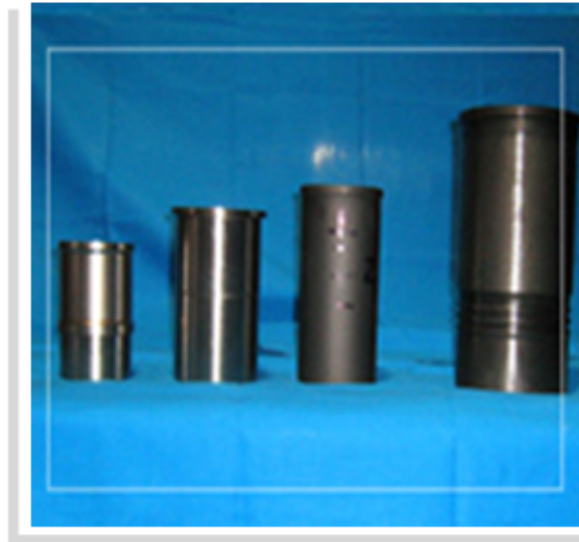
OPERATING / APPLICATION DETAILS:

1. Machine Make : Nagel
2. Component : Liners
3. Material : CI
4. Cycle time: 60-120 Secs
5. Operation : Honing

6. Tank capacity :420 Ltrs
7. Filtration : Paper Filter /Magnetic Roller
8. RPM : Depends on model
9. Tool – Honing rods (Carbide)
10. Daubert Hakuform 205 IF



COMPONENT VIEW



PRODUCT RECOMMENDED: HICUT HONE

TRIAL RESULTS



Achieved better than required finish– Ra 0.5 & Good visual finish



No EHS Issues observed - Operator & Environmental Friendly.



Good rinsing properties



Product performance is similar to existing and Cost Savings achieved - 5%