



INDO-MIM[®]
COMPLEXITY SIMPLIFIED

Case Study- NIPPERS



CASE STUDY– NIPPERS



APPLICATION – NIPPERS



- SS 420 with better hardness & wear resistance
- Can withstand 120 hrs. of salt spray test & have good edge retention
- Good surface finish(Ra 0.8 μ m) and better dimensional consistency
- No material wastage & cost effective

SOLUTION

PRODUCT DESCRIPTION

- Material :- MIM SS-420
- Weight :-30 gms
- Segment :- Consumer
- Annual Requirement :- 250K



- Blunt cutting edges & low hardness
- Low wear resistance & rust formation
- Poor surface finish and dimensional inconsistency
- High conventional method cost
- Difficult-to-manufacture curved profile

CUSTOMER PAIN POINTS

CASE STUDY– NAIL CUTTER



APPLICATION – NAIL CUTTER



- Uniform density achieved in MIM
- SS420 have good mechanical properties, hence improved edge retention.
- Good surface finish and dimensional consistency in MIM
- Net shape achieved in MIM

SOLUTION

PRODUCT DESCRIPTION

- Material :- MIM SS-420
- Weight :-18 gms
- Segment :- Consumer
- Annual Requirement :- 120K



- Blunt cutting edge & poor edge retention
- Low hardness & fatigue strength
- Non-uniform density
- Poor surface finish and dimensional inconsistency
- Difficult-to-produce intricate profile for blanking.

CUSTOMER PAIN POINTS

MORE THAN 3000 HEARTS – ONE BEAT

Creating Value :

In-depth technical competence

International presence

Application and Industry Expertise

Long-term Relationships

THANK YOU

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