



INDO-MIM[®]
COMPLEXITY SIMPLIFIED

CASE STUDIES - LOCKS



CASE STUDY – DOOR LOCKS



APPLICATION – DOOR LOCKS



PRODUCT DESCRIPTION

- Material :- MIM 17-4PH
- Weight :- 13gm
- Segment :- Consumer
- Annual Required :- 20K



- Complete part profile with Pip wall thickness achieved
- Lesser lead time

- Pip wall thickness of 0.35mm
- Higher lead time
- Multiple machining operations

SOLUTION

CUSTOMER PAIN POINTS

CASE STUDY– LOCK



APPLICATION – PHOTOELECTRIC SENSOR

This part is used locking system in various application

- Lengthy machining process to achieve the internal profile.
- Secondary operation to achieve smooth finished product.

SOLUTION

PRODUCT DESCRIPTION

- Material :- MIM SS316
- Weight :- 37gm
- Segment :- Consumer
- Annual Requirement :- 28K

- Achieving complex internal profile of the part inside the mold.
- The smooth finished surface part in through secondary operation.

CUSTOMER PAIN POINTS



CASE STUDY – ELECTRIC LOCKS



APPLICATION – ELECTRIC LOCKS



This part is used in modern electric locks

- Near net shape achieved in the tool itself.
- Secondary operation with Heat treatment to achieve the functional strength.

SOLUTION

PRODUCT DESCRIPTION

- Material :- MIM17-4PH
- Weight :-
- Segment :- Consumer



- 6 threaded through hole.
- 2 through hole of different diameter.
- Sharp knurl feature.
- Through machining there were multiple operations.

CUSTOMER PAIN POINTS

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