



INDO-MIM[®]

COMPLEXITY SIMPLIFIED

APPLICATION OF MIM IN POWER TOOLS



CASE STUDY – POWER TOOLS



APPLICATION – POWER TOOL



Parts with non-uniform wall thickness produced with MIM

- Lead time reduced by almost 50% resulting in smoother supply chain
- Material wastage reduced by 30% when compared with bar stock machining

SOLUTION

PRODUCT DESCRIPTION

- Material :- MIM 4605 (Hardened & Tempered steel)
- Weight :- 23 grams
- Segment :- Consumer
- Annual Requirement :- 70K

- Producing the parts in conventional methods results in more material wastage
- The part has to be loaded in different orientations to machine which requires more lead time

CUSTOMER PAIN POINTS

Application of MIM parts in Power Tools at INDO-MIM



Part Name : Chainsaw Sprocket

- Earlier this was manufactured through **Forging and Machining**, and the strength was approximately **1300MPa**.
- INDO-MIM has developed **special materials in Stainless Steel** which enhance the product efficiency and can provide strength of approximately **2000MPa**.
- Migration of components from conventional process to MIM leads to better Surface Finish.

Application of MIM parts in Power Tools at INDO-MIM



Part Name : Armature



Part Name : Adjustment Knob



Part Name : Yoke Guide



Part Name : Centre Ring



Part Name : Lock Out Bar



Part Name : Front Plate Support

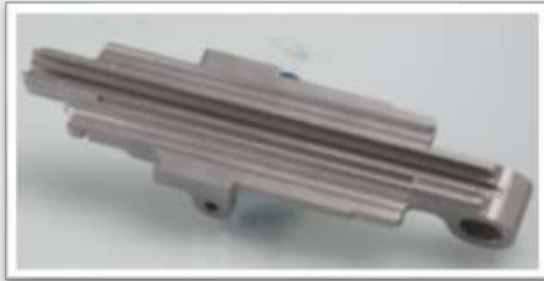


Part Name : Tie Bar



Part Name : Probe Stop

Application of MIM parts in Power Tools at INDO-MIM



Part Name : Front Plate



Part Name : Reed Plate



Part Name : Dosing Lever



Part Name : Probe Release

MORE THAN 3000 HEARTS – ONE BEAT

Creating Value :

In-depth technical competence

International presence

Application and Industry Expertise

Long-term Relationships

THANK YOU


www.indo-mim.com

 /company/indo-mim-pvt-ltd

 /indomim

 infohq@indo-mim.com

 infous@indo-mim.com

 infoeu@indo-mim.com

 infocn@indo-mim.com