

# Custom Made Forged and CNC Turned Components



## Produce Capabilities

- Automotive components & motors parts including steering mechanism parts, drive shaft parts, transmission parts, brake system parts, knuckles, shock absorber parts, connecting rods, bottom brackets, suspension system parts.
- Motorcycle parts, including handle bases, triangular upper mounts, starter bars, drive gears, transmission parts.
- General industrial applications forging, cold forging, cold forming and turning parts.
- Multi-forming process products, and heading parts with precision machining
- Cold Forged - automotive components & motors parts
- Various thread forming and tapping machining
- Cutting Example of Cold Forged Parts
- Precision NC Auto Lathe Work
- Shafts & special-headed parts
- Engineering components
- Special fasteners and bolt
- Custom fasteners
- Tubular parts



## Material :

### Steel :

JIS 1006~1050, S10C~S45C, SCM415~440, 6150,  
SAE 8620/AISI 1010, 1015, 1020, 1025, 1030, 1035,  
1040, 1045, 1145, 4140, 4130, 4145  
STKM11A

### Aluminum:

Al5052, 5056, 6063, 1070, 1100, 6410

### Seamless Pipe:

STKM11A ~STKM18A, STKM11B~ STKM18B, STKM12C~ STKM18C  
SS400, S302, S304



## MILLION INTERWORK SDN. BHD.

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# Cold forged and turned parts for additional related industries



## **Advantages of forging, cold forging and cold forming :**

- High precision and accurate shape
- Excellent surface quality
- Improved mechanical characteristics
- Considerable reduction of material
- Limited machining time

## **Production Range :**

Up to 150mm Outside diameters

Up to 100mm in length

Specialize in extruded shafts

Thread rolling range: Up to 50mm Outside diameters

## **Mold :**

Design and develop mold-detailed and completely consider the feature of material, quality and amount of parts, the pressure of the machine... etc., to make the mold most complete, accurate and enduring.



## **Material :**

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# T-Yoke/Pole Piece & U-Yoke for Loudspeaker raw driver



## T-Yoke / Pole Piece

### Production Capacity:

Diameter Of Pole: Min. 28mm — Max. 150 Mm.  
Diameter Of Piece: Min. 13mm — Max. 70 Mm.  
Height Of Pole: Min. 6mm — Max. 80 Mm.  
Thickness Of Piece: Min. 1.5mm — Max. 30 Mm.

### Finish:

Barrel or Hanging Zinc Electro-Plating  
MFZn-I Cr6 / Color: White (Silver)  
MFZn-II Cr6 / Color: Yellow (Golden)  
MFZn-I Cr3 / Color: White (Silver)  
MFZn-II ICr3 / Color: Yellow (Golden)

Cationic Electro-Deposition Coating  
CED / Color: Black

### PRODUCT FEATURE

- One piece, one body Back plate / Pole Piece / T-Yokes.
- All products are cold forged low carbon steel
- Consistent integrated operation of production
- Best quality and whole body forming of product feature
- Manufacturing according to customer design



## U-Yoke / Pot Yoke

### Production Capacity:

Diameter Of Yoke: Min. 32 Mm — Max. 100 Mm.  
Height Of Yoke: Min. 10 Mm — Max. 60 Mm.  
Depth Of Yoke: Min. 5 Mm — Max. 55 Mm.  
Thickness Of Yoke: Min. 1.5 Mm — Max. 15 Mm.

### Finish:

Barrel or Hanging Zinc Electro-Plating  
MFZn-I Cr6 / Color: White (Silver)  
MFZn-II Cr6 / Color: Yellow (Golden)  
MFZn-I Cr3 / Color: White (Silver)  
MFZn-II ICr3 / Color: Yellow (Golden)



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