

High precision cold forging parts



Hari plant



Kagoshima plant

【Business outline】

Development and manufacturing cold forging parts mainly for automotive such as seat belt, air bags, steering and etc.

【Address】

Yamatotakada-shi, Nara, JAPAN

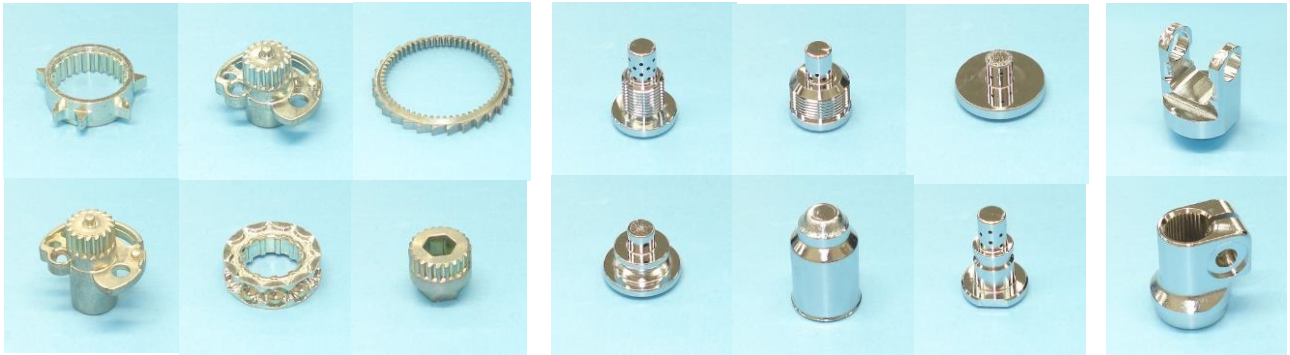
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< Products >

- High precision cold forging technology with an accuracy of less than 20μm.
- Steel / SUS / Aluminum / ICONEL can be cold-forged.

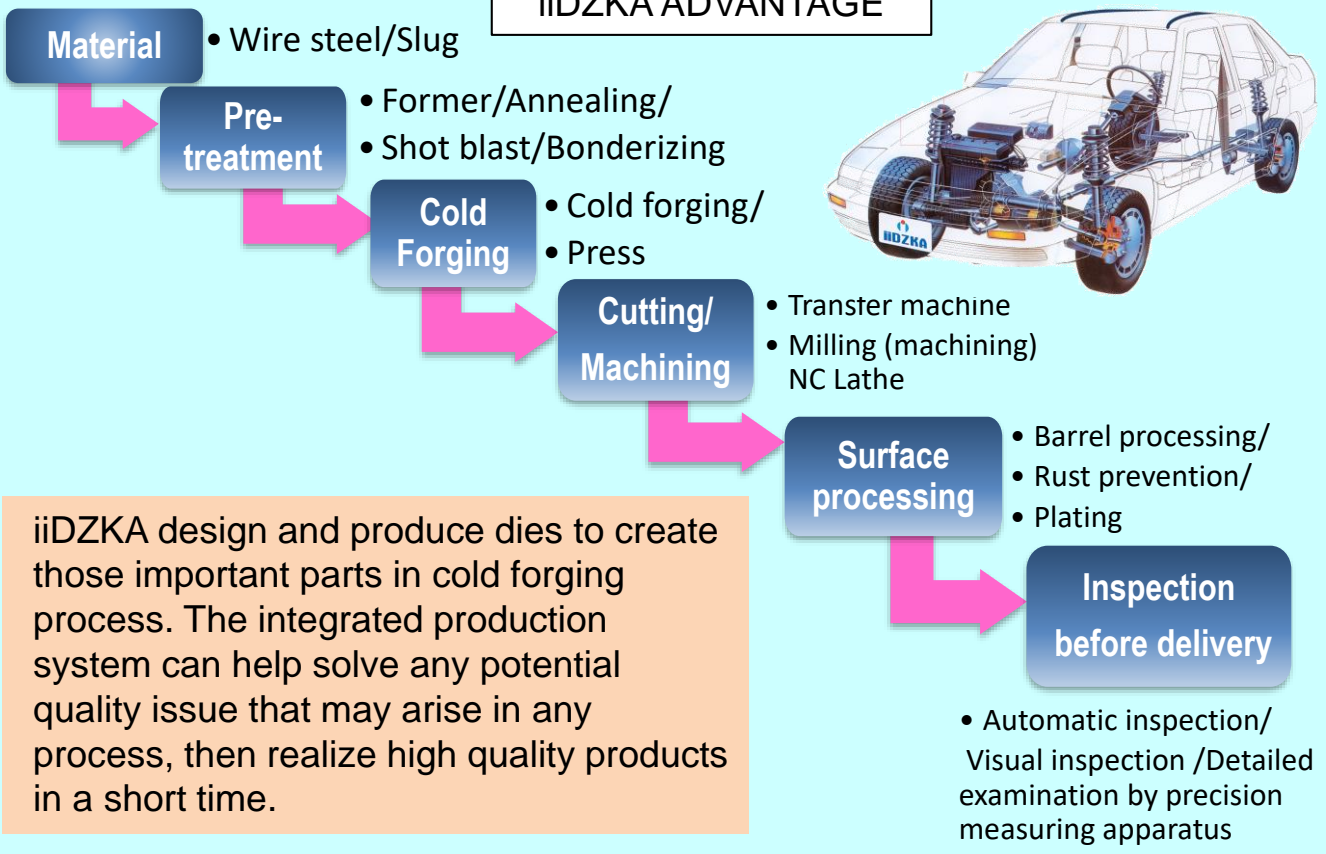


Parts for seat belts

Parts for air bags

Parts for steering

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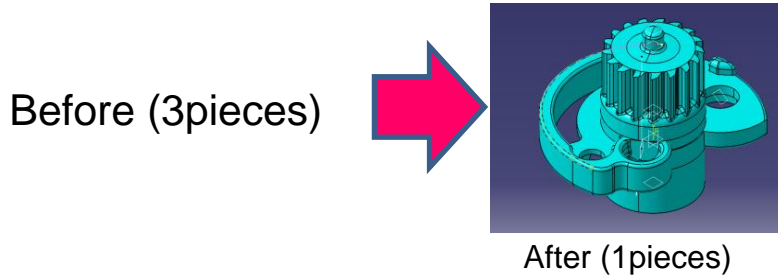


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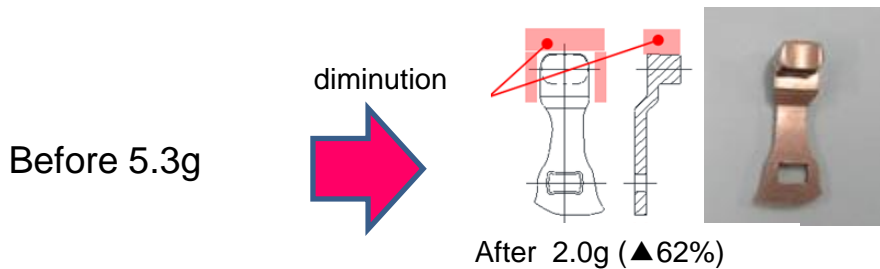
Development example 1

In the past, the part was composed of three parts produced by die-cast process, we have succeeded to make the part by cold forging without cutting process. The strength was increased and the thickness is thinner. The weight was 30% reduced and the cost as well.



Development example 2

We were asked to make the part for diesel turbo engine by cold forging. And there are some redundant part for chucking when cutting process. The material SUS is very hard and the part requires the high accuracy in dimension. We have achieved to make them by cold forging with thin profile and lighter weight.



Development example 3

The part consists of two different parts. Both are connected by welding. We have achieved to make it by cold forging(clamped). Then strength of joint part has become higher. They are mass-producing with automatic transfer machine with high speed.

	Joint method	Strength of joint part
Regular	Welded	Normal
IIDZKA	Clamped	Higher



Final product