

Production and Market of Chinese Metal Injection Molding Industry 2015-2020

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Abstracts

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Metal injection molding (MIM) is a new technique for component manufacturing. It introduced the plastic injection molding technique to powder metallurgy field and forms a new component manufacturing technique. As plastic injection molding is mainly used to produce complex and low price plastic products, metal powder is introduced to manufacture products of better intensity and durability. Such technique is called metal injection molding.

MIM technique is one of the major funding projects of National Natural Science Foundation, the National "863" High-Tech Research Projects and National "973" Research Program. With MIM technique, high intensity, high density, precision and 3D complex components can be manufactured. Besides, the technique is low cost, high efficient, consistent in quality and can be used in mass production. Hence, MIM is a very popular technique in the industry. By far, there are over 10 companies focusing on the R&D and production of MIM technique in China, with products applied in sectors such as machinery, electronics, automotive, household appliance, tools manufacturing, medical machinery, military, etc.

MIM industry in Asia is developing rapidly, while the demand from China and India further pushes the growth of the industry in these two countries. MIM has been widely applied to many sectors including aerospace, automotive, medical, military, etc. As manufacturing industry further grows in China, MIM technique will have more and more opportunities in the future.

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