

Recent Trends of Powder Metallurgy Development in Japan

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Abstract

It is reported about the recent developments of powder metallurgy technologies in Japan. In this several years, we cannot make no progress in the amount of powder metallurgy parts production. In order to expand the markets, it is necessary to understand the market needs, and promote technical developments to satisfy the needs which include Cost Reduction, Weight Reduction, High Performance and Environmental Friendliness. The key words of developments to meet these needs are as follows, High Productivity Net-shape High Strength High Machinability High Wear-resistance Low Friction High Magnetic Properties High Heat Properties Light Weight. It is reported some examples corresponding with every key words.