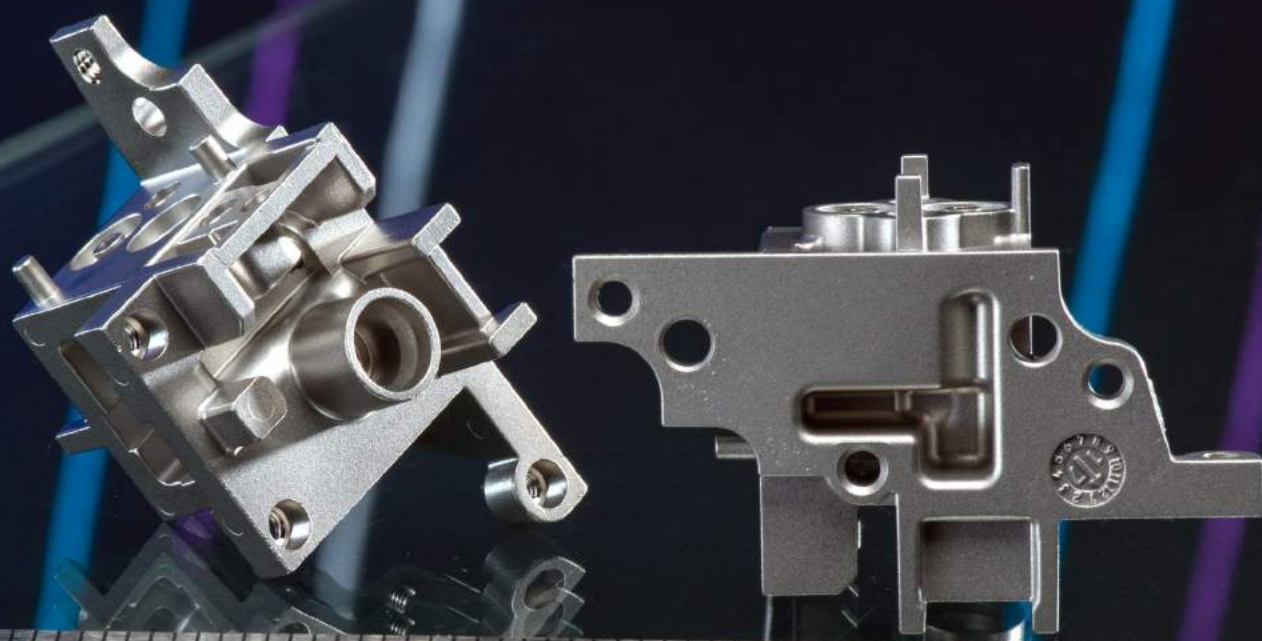


POWDER INJECTION MOULDING

INTERNATIONAL



in this issue

Design for MIM: Ten rules

Arburg presents the future of PIM

BASF's Ultrafuse

Gevorkyan adds post-processing and automation capabilities, plans to invest in metal AM

Gevorkyan s.r.o., a family-owned business based in Vlkanová, Slovakia, was established more than twenty years ago by military aircraft engineer Artur Gevorkyan. The company reports that it has expanded its manufacturing capabilities in order to offer enhanced solutions to its Metal Injection Moulding and Powder Metallurgy customers. As well as a new hardening operation, a department for automation and robotisation has been established with the intention of accelerating production efficiency. The company's laboratory has also been expanded with a new metallographic operation.

The company currently produces and supplies metal parts made by PM, MIM and HIP technologies to customers in more than thirty

countries worldwide. End-user sectors include the automotive, lock and security systems, garden and hand tool, oil, medical, cosmetic and fashion industries. The company states that it is reasonably independent of the automotive industry, which accounts for 30% of its total portfolio. The majority of its customers come from Europe, North and South America, but also from China or India.

The company reports that it develops over a hundred new parts each year and manufactures two thousand different types of component annually. A large part of its component portfolio is made up of PM and MIM components successfully transferred from conventional technologies such as casting or machining.



The Gevorkyan factory

All tooling, whether for powder compaction or injection moulding, is prepared in-house. The company also states that it is self-sufficient with regards to secondary operations, including mechanical machining and heat treatment. In 2019, the company plans to install technology for metal Additive Manufacturing. It is already using AM technology for plastic materials in its maintenance department, where AM components are used as spare parts whilst awaiting the supply of original components.

www.gevorkyan.sk ■



Adopting Chinese advanced gas and water combined atomization technology

CHINA'S LEADING SUPPLIER OF MIM POWDERS

Yingtang Longding New Materials & Technology Company Ltd., (LDNMT)

The company provides various types of structural material powders, magnetic material powders, and other alloy powders in a variety of particle sizes and tap density based on the demands of its customers. Its product line includes 316L, 304L, 17-4PH, 4J29, F75, HK30, 420W, 440C, Fe2Ni, 4140, and FeSi. Its customers have received its products with high acclaim

Item	T.D.(g/cm ³)	S.S.A(m ² /g)	S.D.(g/cm ³)
316L	4.80	0.34	7.90
17-4PH	4.70	0.34	7.70
304L	4.80	0.34	7.80
HK30	4.70	0.35	7.70
4J29	4.90	0.36	7.95

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