

Pahwa Metaltech: Specialised Manufacturer of Advanced Copper Alloys

- **Recipient of: G. S. Parkhe Award for Innovation in Entrepreneurship, 2018 of MCCA**
- **Product: Copper Titanium Alloys and its products like non-sparking hand tools, special tools, plunger tips, cooling plates and welding electrodes made from this unique alloy**



Lalit Kumar Pahwa
Managing Director,
Pahwa MetalTech Pvt. Ltd.

Pahwa MetalTech Pvt. Ltd. (PMT) is a Pune-based renowned engineering company, founded by Shri Lalit Kumar Pahwa in 2014. The Company specializes in manufacturing of advanced copper alloys for applications in various industries including Oil and Gas, Automotive, Defence, Electrical and Telecom. Copper Titanium (QTi) alloys and its products are a perfect substitute for the hazardous Copper Beryllium alloys. It not only provides economic benefits and the potential to replace other expensive materials, it is completely safe to human health and environment at all

stages of its manufacture, use and end-of-life disposal or recycling.

Pahwa Metaltech signed a Transfer of Technology agreement with India's Defence Research and Development Organisation (DRDO) to manufacture innovative Copper Titanium (CuTi) Alloys, as an exclusive licensee on a global basis. Set up the project in 2016 and started commercial operations in March 2017. It has acquired several top names including BARC, ISRO, GAIL, Asian Paints, Siemens, Henkel and BPCL etc as its customers, who have welcomed the product and given repeat orders. Copper Titanium fulfils a strongly felt need in several sectors of the industry and applications as an excellent alternative to Copper Beryllium that the world has been searching for at least the last 50 years. There is a strong market pull for QTi® technology as QTi® is completely safe to human and environment and cost-competitive.

Pahwa MetalTech has established the manufacturing process on a commercial scale and has made significant improvements to the original process and generated new intellectual property and application knowledge resulting in a high-value business proposition by launching 'Made in India' Copper Titanium technology to the world.

About QTi®

QTi® (Copper Titanium) Alloys are manufactured by a patented technology, with highly stringent process control. These alloys exhibit excellent strength, hardness and conductivity characteristics, similar to that of Copper Beryllium alloys. QTi® alloys are a perfect substitute for CuBe Alloys and other copper alloys for a variety of applications, with advantages of being economical and Beryllium Free.

Pahwa MetalTech Pvt. Ltd.

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