

# **Plasma Giken and the Current State of Cold Spray Technology in Japan**

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Plasma Giken is the Cold-Spray-technology leader in Japan. Its latest cold spray systems, PCS-304 & PCS-305 series, have achieved an up-to-95% deposition rate, which is at the highest level in the world. This high deposition rate is a result of faster velocity of sprayed particles, which is produced by the combination of the optimally designed spray nozzle and the ability of the nozzle-chamber-gas temperature to reach up to 1000 degrees Celsius.

Currently, several commercial applications are in place where its cold spray system has been producing higher quality with lower cost to the customers.

Plasma Giken also provides research support through the Open-Laboratory-Program where users can rent the cold spray system facility for a period of time.