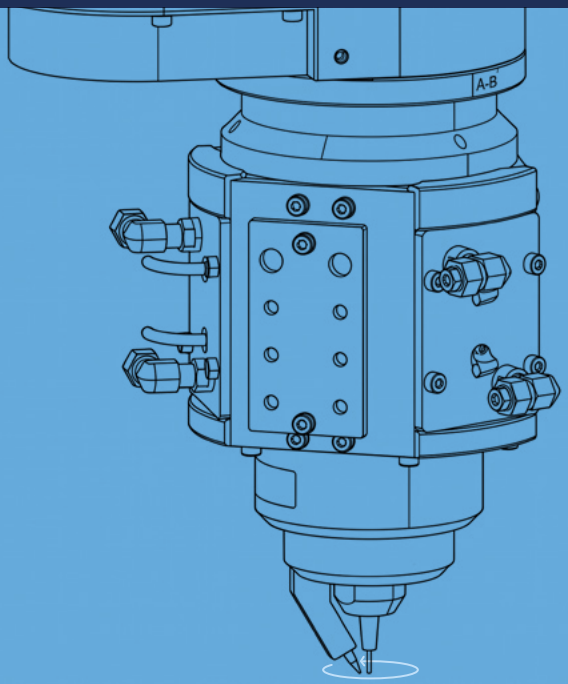
NIPPON SANSO

Additive Manufacturing

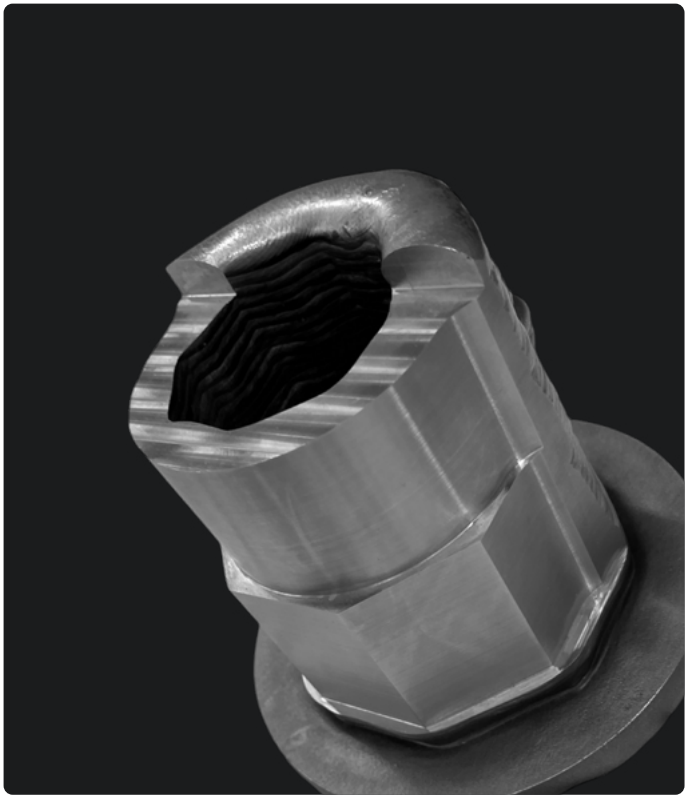
3DPro® RotoTIG™

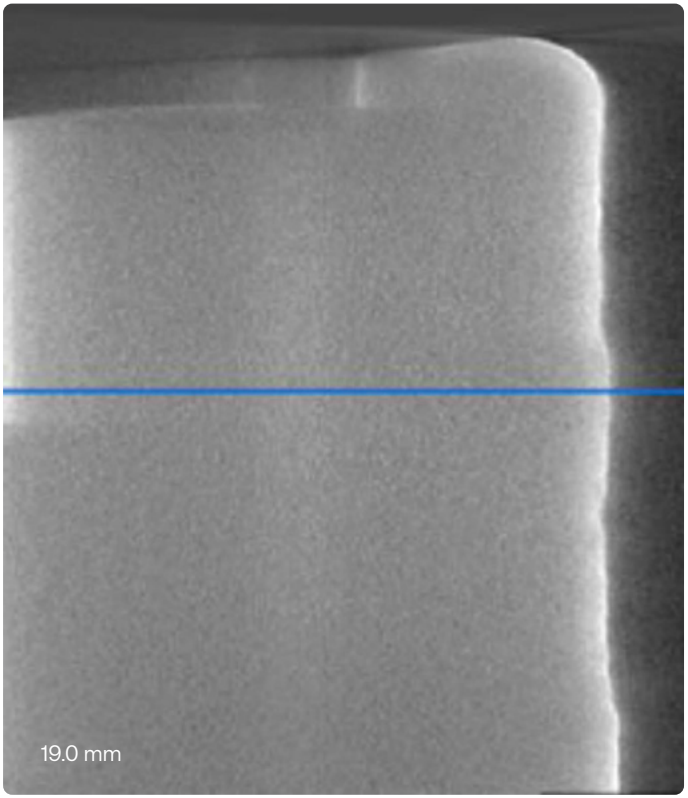
The world's first unique torch design with coaxial wire feed and continuous electrode rotation



Technology advantages

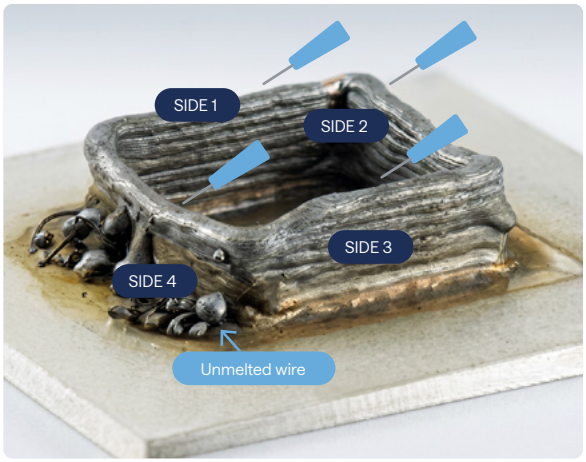
High deposition rates
Directional free build path is possible by coaxial wire feed torch design
Stable and reliable TIG process
Minimum defects during printing process
High mechanical property and toughness

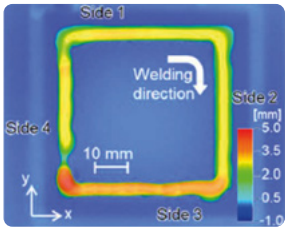


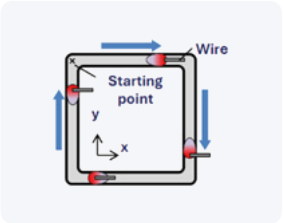


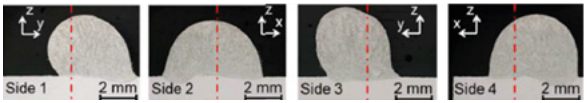
Uniform bead shape independent from scanning direction.
Symmetrical and less offset from scanning line.

Conventional TIG process

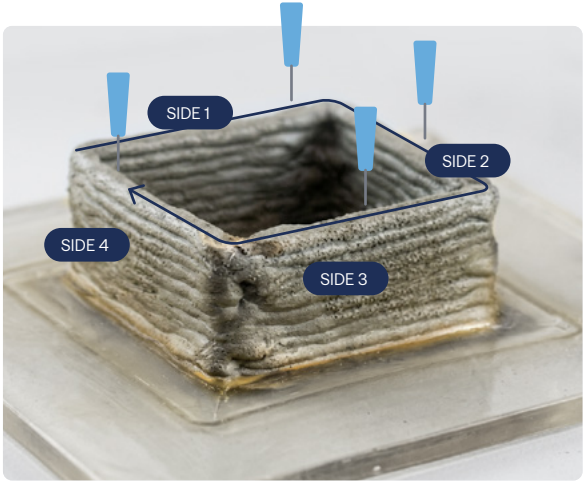


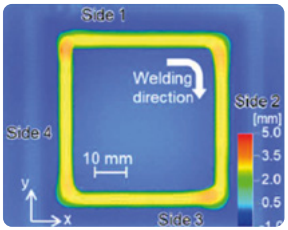


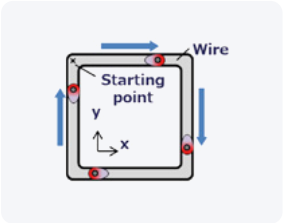


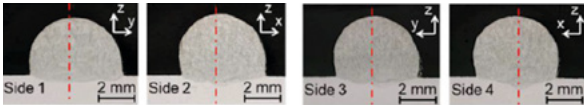


3DPro® RotoTIG™



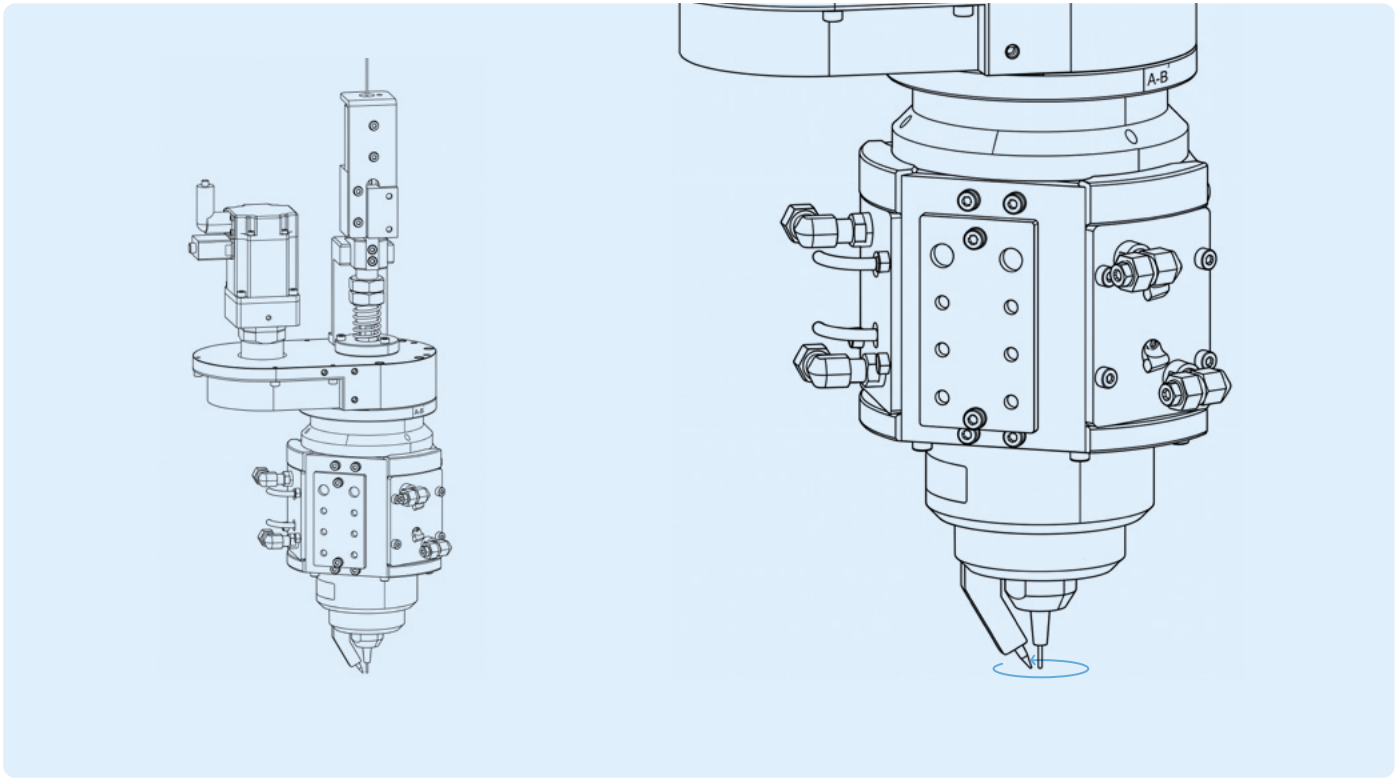






Main features

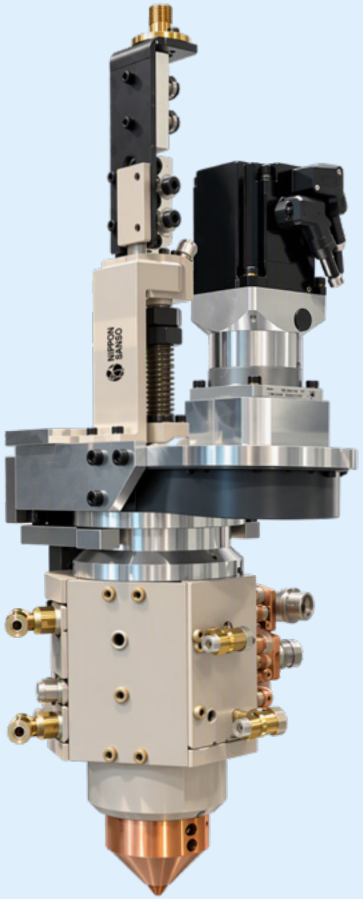
Feature	3DPro® **RotoTIG®**
Dimensions	W 180 × L 240 × H 570mm
Weight	13 kg
Welding machine needed	TIG welding power source with wire feed system
Robot or machine requirement	Over 13kg payload needed with TIG welding specification
Gas flow rate	Shield nozzle or chamber inertization



3DPro® Powder Dry Cabinet

Possible configurations

Integrated in a robot system



Machining hybrid machine



Developed in collaboration with Sugino Machine Co.

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