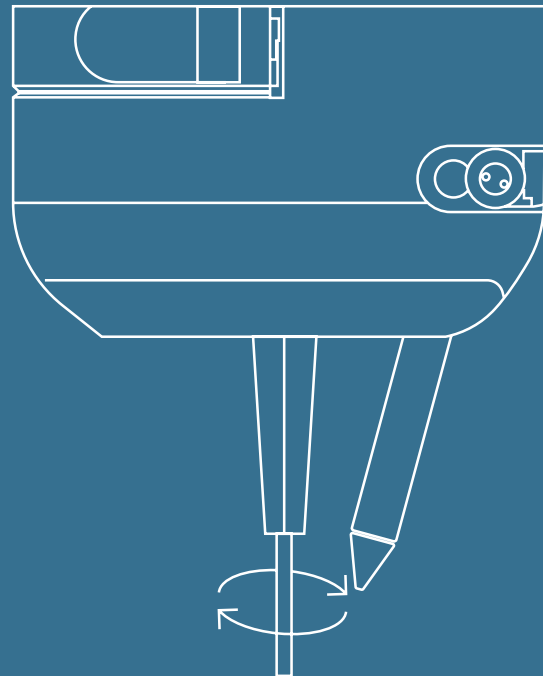


3DPro[®] RotoTIG[™]

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



3DPro® RotoTIG™ possible configurations:

Integrated in a robot system



Machining hybrid machine



Developed in collaboration
with Sugino Machine Co.



3DPro® RotoTIG™ technology advantages:

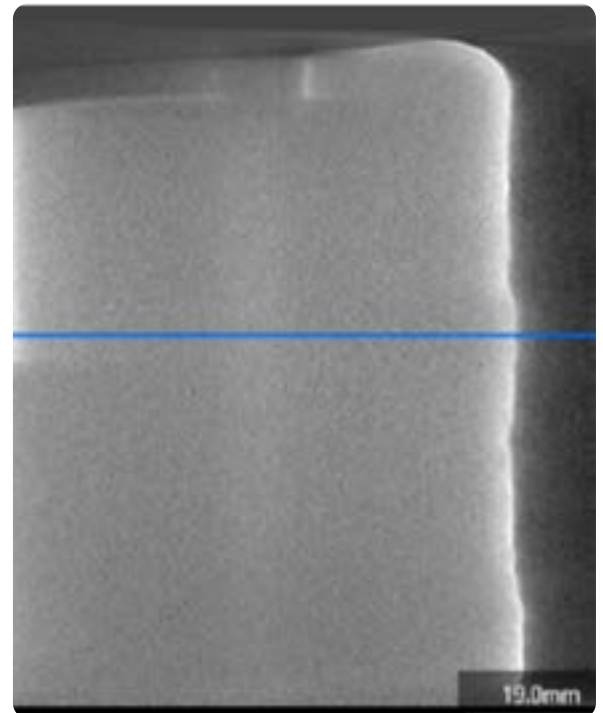
High deposition rates

Directional free build path is possible by coaxial wire feed torch design

Stable and reliable TIG process

Minimum defects during printing process

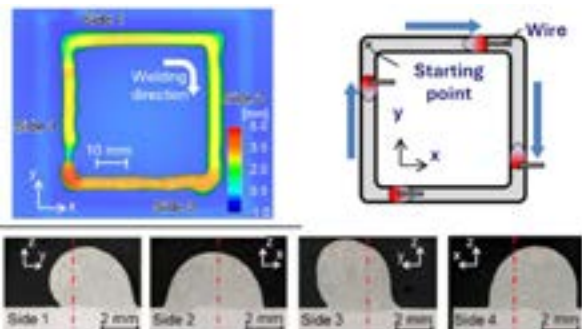
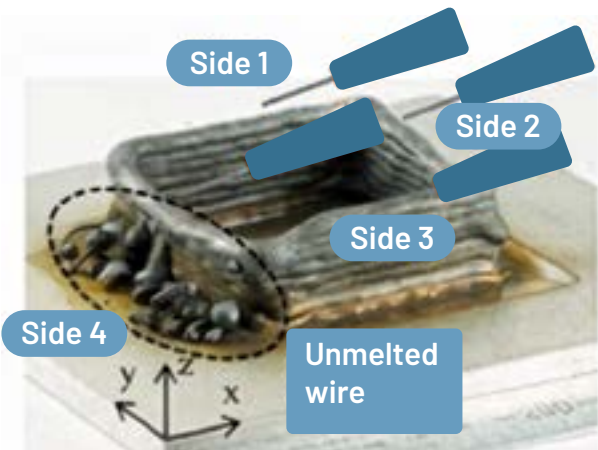
High mechanical property and toughness



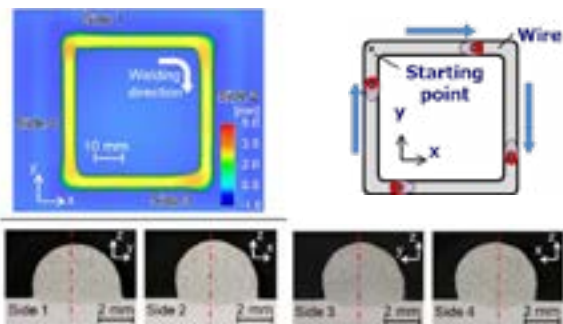
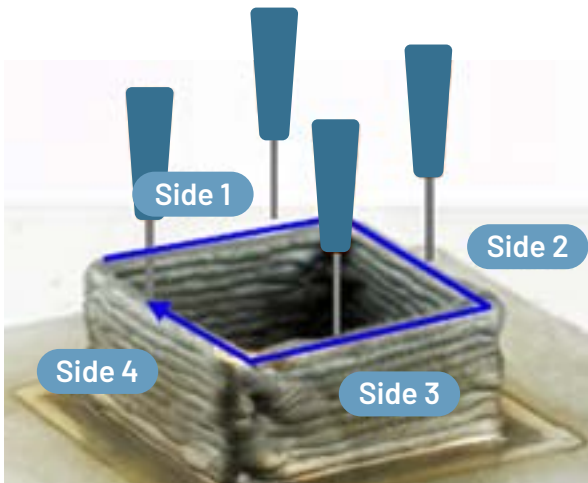
3DPro® RotoTIG™ technology advantages:

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

Conventional TIG process



3DPro® RotoTIG™ technology



Main features of RotoTIG[®] solution:

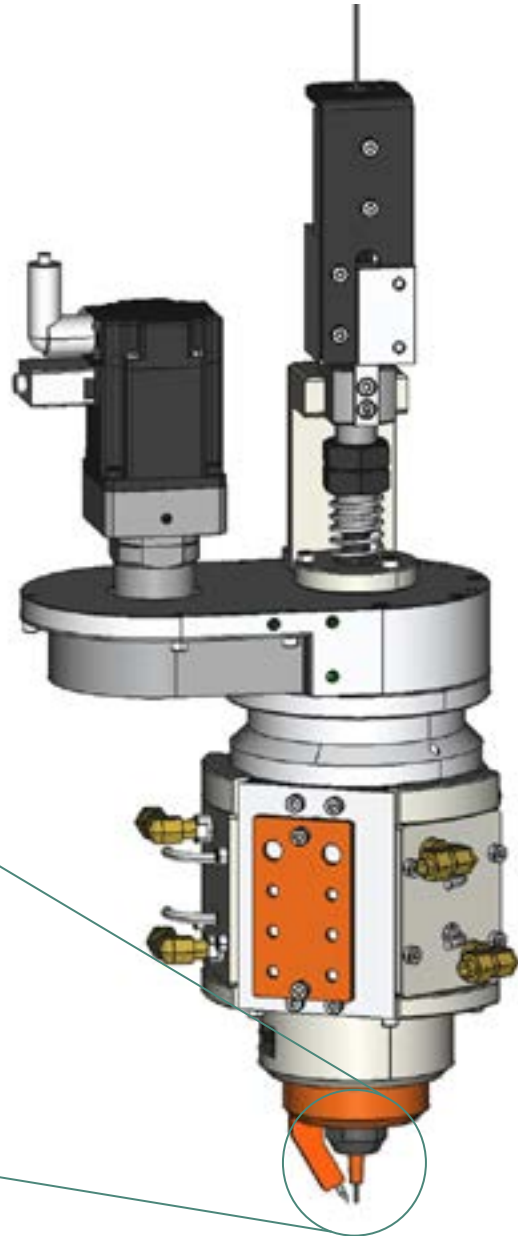
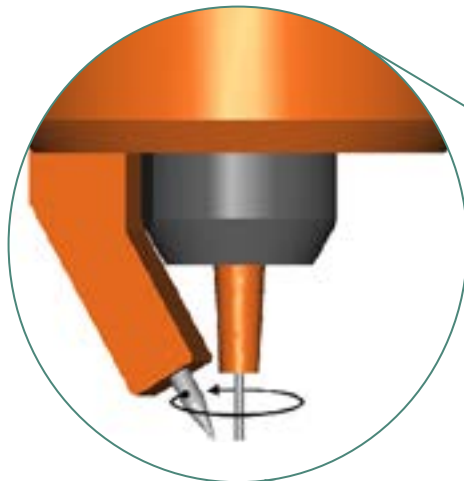
Dimensions: W180×L240×H570mm

Weight: 13kg

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





info@nippongases.com



nippongases.com

