



High-Speed and Fully-Automated TIG Welding for Improved Production Efficiency

Plasma Jet TIG

Faster TIG welding

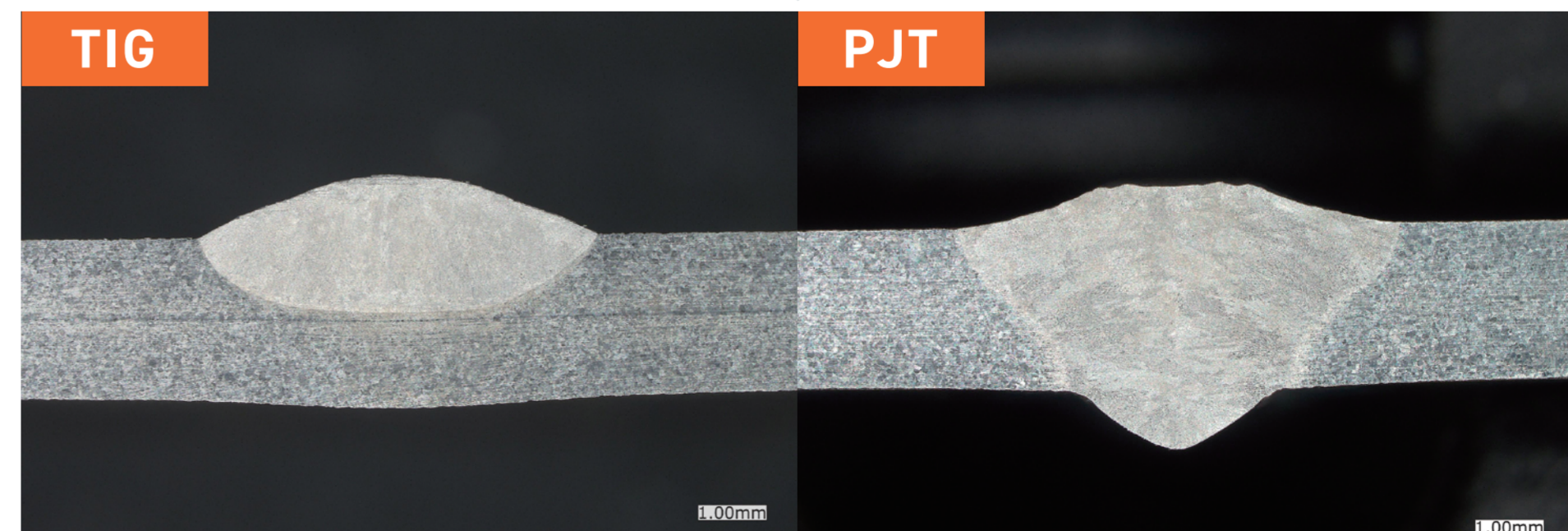
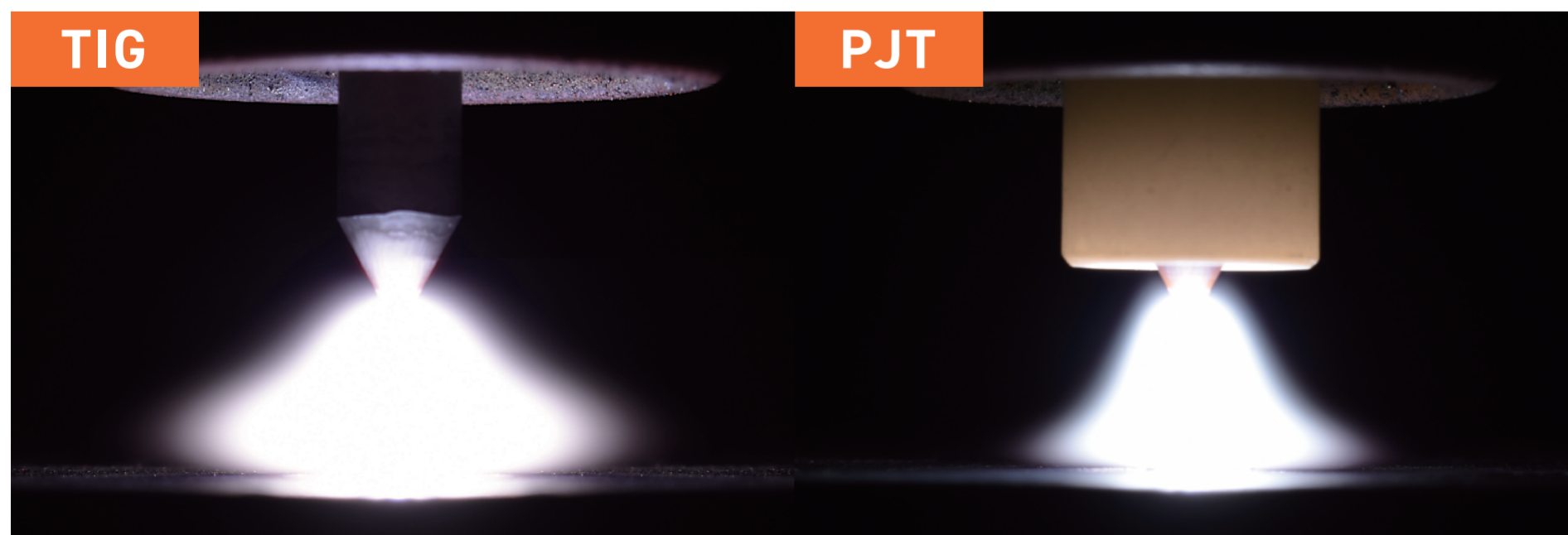
- The welding speed is 1.5 times faster than TIG welding due to the concentrated arc caused by the unique structure.
- Improved productivity reduces running costs by about 30%.

High quality welding of stainless steel plate

- Low strain reduces post-processing
- Up to 2.3 times deeper penetration than TIG

welding method	running cost
TIG	5.32 million yen/year
PJT	3.9 million yen/year

Workpiece: SUS304 | tanning weld
 Welding current: 150A | Power supply efficiency: 75%
 [Welding speed]
 TIG: 20 cm/min, PJT: 30 cm/min





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Automatic electrode polisher TS-Sharpener

Release from line stoppage

- Eliminates electrode replacement delays and significantly improves productivity
- Automated electrode **grinding** and replacement
- **Reduced** annual working hours by **320H!**

Number of exchanges	Working hours
16 times/day	320h/year

[Electrode replacement time] 5 minutes / 1 time

Can be introduced at any site

- **Simple design saves space**
- Easy Maintenance
- Compatible with a wide range of electrode diameters
- Easy adjustment of electrode grinding angle

