



Precision Pipe Plating

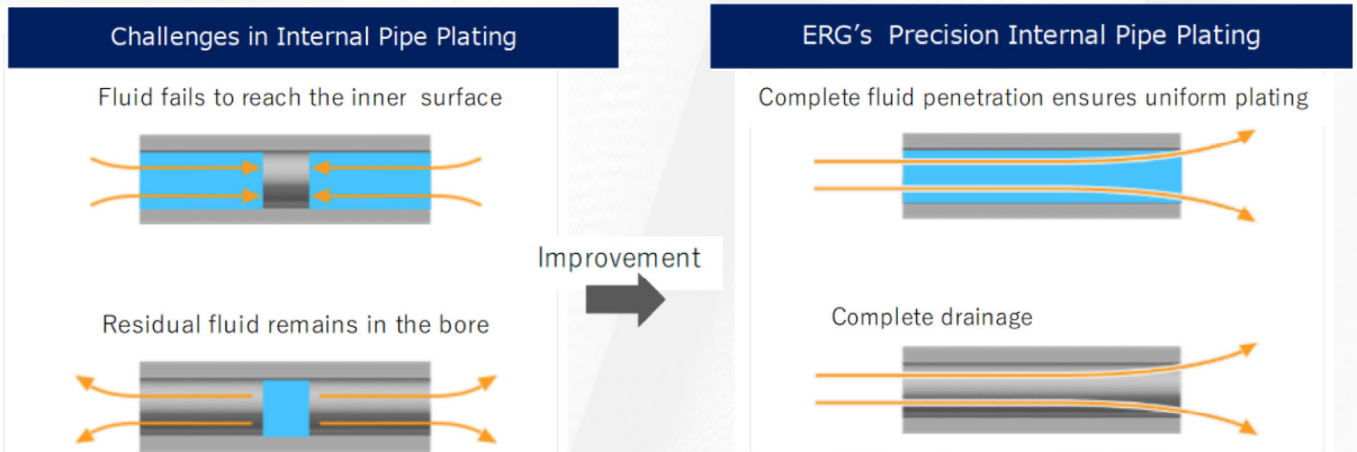
Through our surface treatment technology and results, Create new values.



Pipe components with long bores and small inner diameters are known to pose challenges in internal fluid exchange, often resulting in poor plating coverage and discoloration.

At ERG, we address such complex geometries with proprietary techniques, including mesh-assisted plating.

Precision Internal Pipe Plating



Fluid has trouble reaching the center of long, narrow pipes, and is difficult to drain once inside. This can cause residual liquid and poor plating, leading to defects like bare spots and rough surfaces.

Our specialized process enables complete fluid filling and exchange, ensuring defect-free internal pipe treatment. This contributes to stable contact resistance and improved sliding performance.

Supported Sizes and Materials

	Hole Diameter (a)	Approximately 0.15 mm
	Overall Length (b)	Approximately 50.0 mm
	Diameter-to-Length Ratio	Up to 1:100
	Material	Copper, steel, and others
	Daily production capacity	500,000 pcs

	Tip Diameter (a)	Approximately 0.15 mm
	End Diameter (b)	Approximately 0.20 mm
	Overall Length (l)	Approximately 3.00 mm
	Material	Copper, steel, and others
	Daily production capacity	500,000 pcs

Available Plating Types

We offer plating in Ni, Au, Ag, and Cu.

Please feel free to contact us regarding other plating options as well.

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ERGco.,LTD.

250-6, Uda Tomioka-city
Gunma 370-2451 Japan
TEL +81-274-62-2421
FAX +81-274-64-2379

