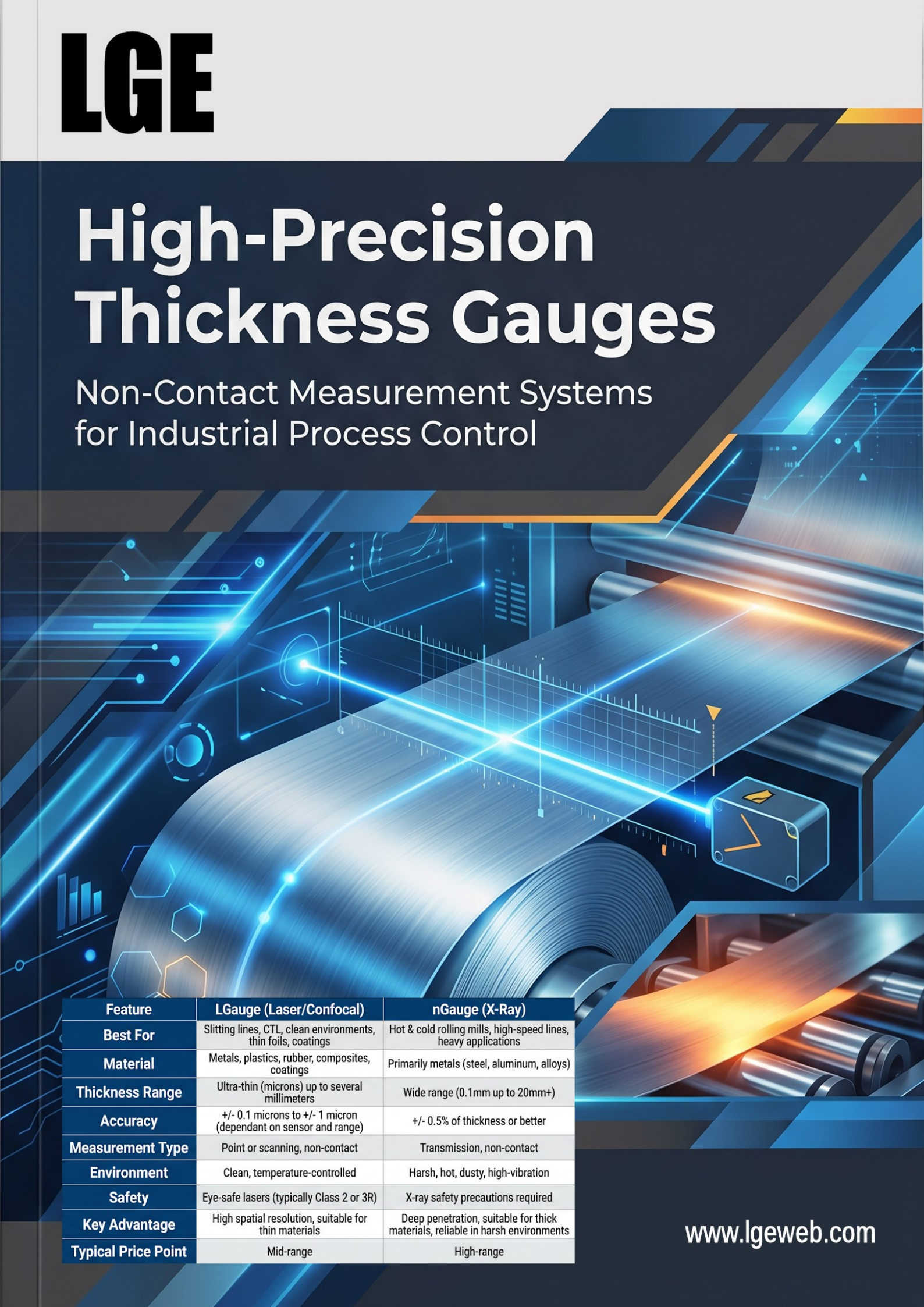




High-Precision Thickness Gauges

Non-Contact Measurement Systems
for Industrial Process Control

The background of the entire page is a high-tech industrial scene. It features a large roll of metal being processed by rollers. Overlaid on this are various digital and technical elements: glowing blue lines representing data or measurement paths, a grid pattern, and a small inset image of a gauge. The overall color scheme is dominated by dark blues and greys, with bright blue and orange highlights from the laser and process heat.

Feature	LGauge (Laser/Confocal)	nGauge (X-Ray)
Best For	Slitting lines, CTL, clean environments, thin foils, coatings	Hot & cold rolling mills, high-speed lines, heavy applications
Material	Metals, plastics, rubber, composites, coatings	Primarily metals (steel, aluminum, alloys)
Thickness Range	Ultra-thin (microns) up to several millimeters	Wide range (0.1mm up to 20mm+)
Accuracy	+/- 0.1 microns to +/- 1 micron (dependant on sensor and range)	+/- 0.5% of thickness or better
Measurement Type	Point or scanning, non-contact	Transmission, non-contact
Environment	Clean, temperature-controlled	Harsh, hot, dusty, high-vibration
Safety	Eye-safe lasers (typically Class 2 or 3R)	X-ray safety precautions required
Key Advantage	High spatial resolution, suitable for thin materials	Deep penetration, suitable for thick materials, reliable in harsh environments
Typical Price Point	Mid-range	High-range

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