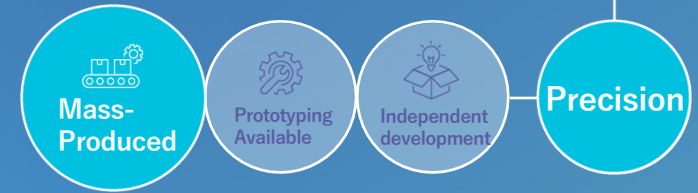


For Gas Nitrocarburizing Treatment Nitrocarburizing Steel Sheet



Product Features

- Surface Hardness: Equivalent to carbonitrided(CNT) hot-rolled steel
- Fatigue Strength: Superior to CNT hot-rolled steel
- High-Temperature Softening Resistance: Excellent
- Low Heat-Treatment Distortion: Eliminates straightening processes

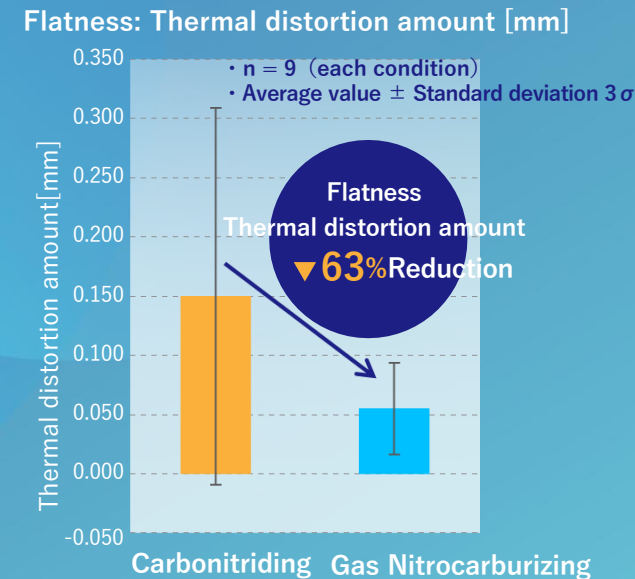
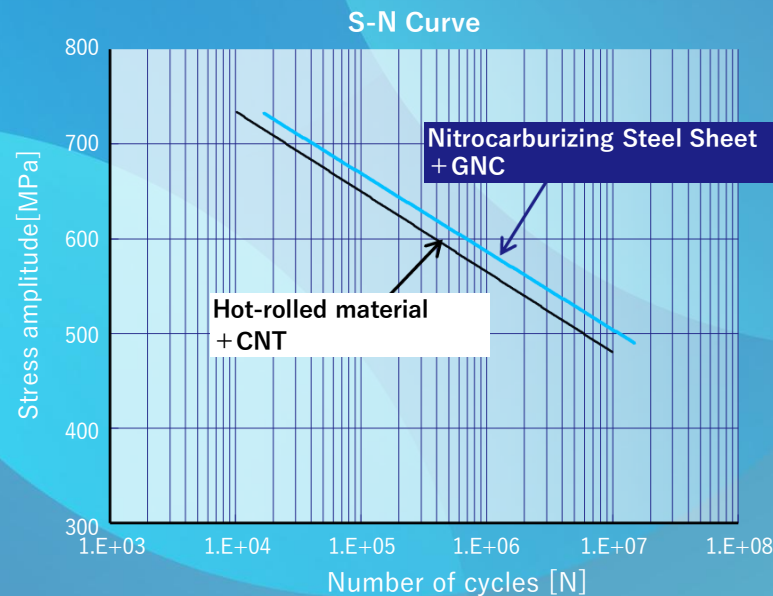
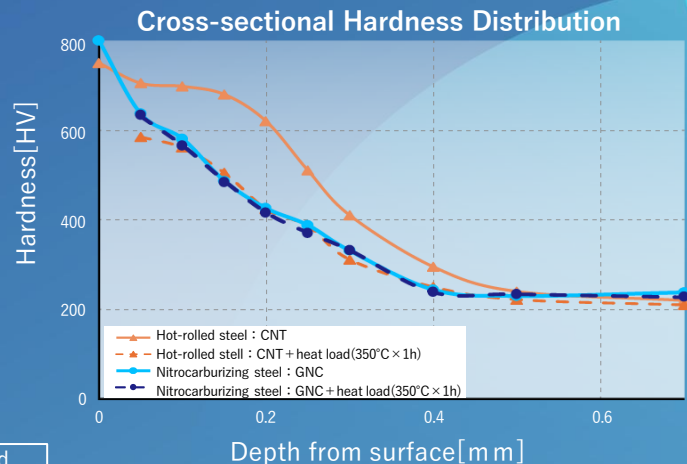
Product Technology

- Steel sheet suitable for gas nitrocarburizing + Dedicated heat treatment process
- Hardness distribution can be tuned by changing the heat treatment time

Candidate Application Parts

- Structural components that require reduction of distortion due to heat treatment
- Parts used in high-temperature environments, etc.
- Applicable Thickness : t1.6mm~t3.2mm

Process Comparison	Material	Forming	Heat treatment	Quenching	Post-process
Carbonitriding (CNT)	Hot-rolled steel 440MPa	Press	Conditions : ○○°C×2h	○○°C +oil cooling	Distortion straightening
Gas Nitrocarburizing (GNC)	Nitrocarburizing Steel Sheet		Conditions : ○○°C×2h	None	None



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