

The world's leading specialist in cold rolled steel field
**Dongkuk Industries begins
 a new challenge with nickel plated steel.**



Dongkuk Industries,
 the leader in steel, materials and eco-friendly businesses

History

- 1967 Established Daewonsa Inc
- 1986 Established Dongkuk Industries as a local corporation
- 2008 Completed an extension of the wide-width cold rolling mill line
- 2013 Completed an extension of the medium-width cold rolling mill line
- 2018 Acquired IATF16949 certificate
- 2021 Expanded eco-friendly hydrogen heat treatment facilities
- 2022 Confirmed investment in nickel plated steel business
- 2023.04 Begins the construction of nickel plated steel factory
- 2024.09 Starts mass production of nickel plated steel

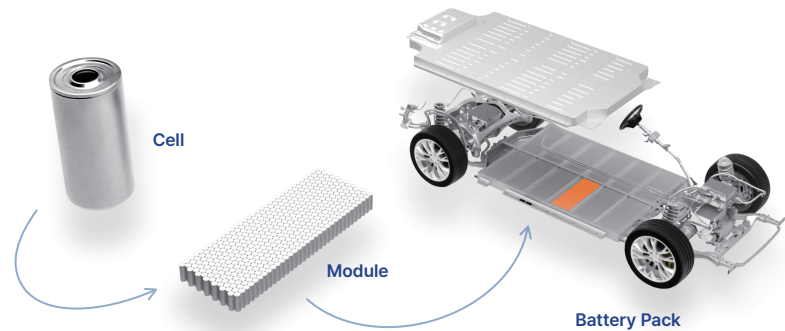
NETWORK



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Nickel Plated Steel

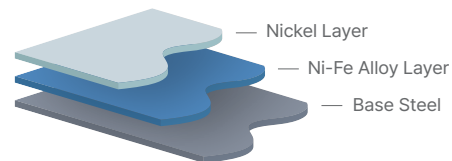




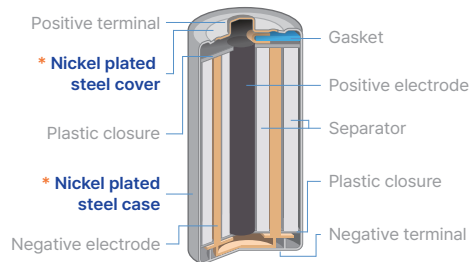
What is a nickel plated steel?

Plated with 1~6 μ m in electric plating line and diffusion hardening process enables high resistance to corrosion, oxidization and enhanced workability.

Structure by Layer



Cell Inner Structure



Usages



Electric Vehicle



Electrified 2-Wheelers



Power Tool

With excellent corrosion resistance and durability, a nickel plated steel is used to make battery cases for EVs, Electrified 2-Wheelers, ESSs, Power Tools and other applications requiring high safety standards.

Production Specification

Thickness (mm)		Width (mm)		
0.2 ~ 1.0		25 ~ 1,219		
C	Si	Mn	P	S
Max. 0.08	Max. 0.03	Max. 0.40	Max. 0.02	Max. 0.03
T.S (Mpa)	Y.P (Mpa)		Elongation (%)	
Max. 430	Max. 370		Min. 25	

Equipment Specification

* Provision

Nickel Plating Line

Category	Note
Entry Thickness	0.2 ~ 1.0mm
Entry Width	750 ~ 1,219mm
Capacity (Ton/Year)	80,000 (*130,000)

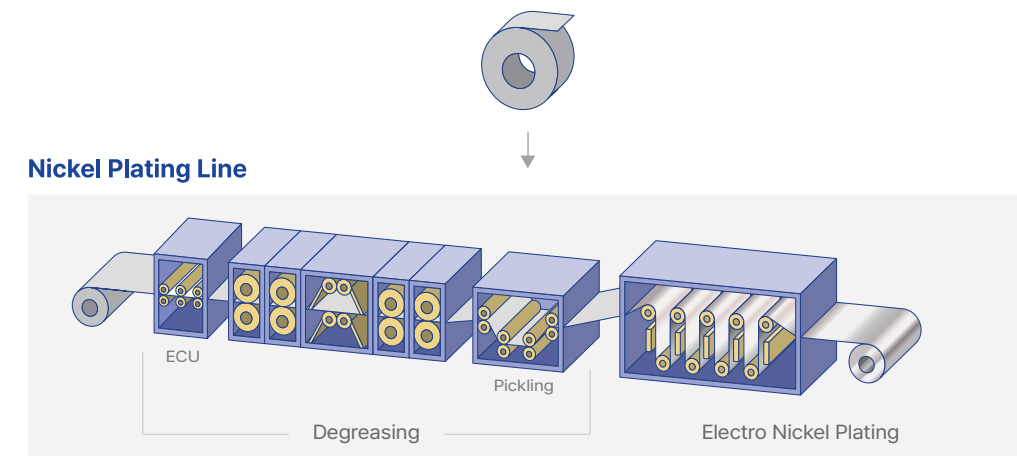
Slitting Line

Category	Note
Entry Thickness	0.2 ~ 1.0mm
Entry Width	750 ~ 1,219mm
Exit Width	25mm Min.
Capacity (Ton/Year)	130,000

Annealing Line

Type	Atmosphere Gas	Entry Thickness	Entry Width	Capacity (Ton/Year)	Note
Batch	H 100%	-	150 ~ 1,320mm	-	
Continuous	H, N Mix	0.2 ~ 1.0mm	750 ~ 1,219mm	80,000 (*130,000)	SPM (4Hi 1Stand CAL inline)
					Entry Thickness
		0.2 ~ 1.0mm	750 ~ 1,219mm	130,000	

Line Map



Annealing Line

