

MATERIAL SELECTION GUIDE



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Material Options & Technical Data

Material	Max Operating Temperature (°C)	Corrosion Resistance	Strength	Typical Applications
SS304 Stainless Steel	Up to 850°C	Excellent	High	Food processing, baking, drying, packaging lines
SS316L Stainless Steel	Up to 870°C	Superior (acid/chemical resistant)	High	Chemical, pharmaceutical, and heat treatment conveyors
High Carbon Steel	Up to 700°C	Moderate	Very High	Furnace, glass, and metal processing
Galvanized Steel	Up to 450°C	Good (moderate corrosion protection)	Medium	Cooling, washing, and low-temperature conveying
Inconel 600 / 800	Up to 1150°C	Outstanding (oxidation & scaling resistant)	Very High	Heat treatment, furnace, and aerospace applications
Phosphor Bronze	Up to 250°C	Excellent	Medium	Electrical, chemical, and food-grade belt systems
Mild Steel (MS)	Up to 400°C	Fair	Good	General conveying, low-temperature drying
Duplex Stainless Steel (2205 / 2507)	Up to 900°C	Exceptional	Very High	Corrosive & high-load industrial environments