

Slitting Line Technical Acceptance Checklist

Inspection Item	Technical Requirement	Acceptance Method
Machine Appearance	No deformation, cracks, rust; paint uniform	Visual inspection
Frame Structure	Welds smooth; no defects; rigidity meets design	Visual
Decoiler Mandrel Expansion	Expansion smooth; pressure meets design	Functional test
Decoiler Pressure Arm	No leakage; movement stable	Visual + running test
Decoiler Bearings	No abnormal noise	Running test
Slitter Head Assembly	No abnormal noise; rotation smooth	Running test
Top Slitting Knives	No cracks; edge sharpness meets requirement	Visual
Bottom Slitting Knives	No cracks; edge sharpness meets requirement	Visual
Knife Spacers	Thickness tolerance meets specification	Micrometer measurement
Knife Shaft Bearings	No vibration; temperature rise < 15°C	Running test
Knife Shaft Oil Seals	No leakage	Visual
Slitting Accuracy	Strip width tolerance meets contract	Measurement
Burr Quality	Burr height meets specification	Sample inspection
Tension Stand Operation	Tension stable; no vibration	Functional test
Felt Pads	No excessive wear; uniform contact	Visual
Tension Roller Coating	No aging or delamination	Visual
Tension Roller Bearings	No abnormal noise	Running test
Recoiler Mandrel Expansion	Expansion smooth; pressure meets design	Functional test
Recoiler Pressure Roller	Coating intact; no cracks	Visual
Recoiler Motor Performance	No abnormal noise; current within rated value	Running test
Recoiler Gearbox	No leakage; smooth transmission	Visual + running test
Strip Winding Quality	Coil tightness and alignment meet requirement	Visual
Guide Rollers	No wear; coating intact	Visual
Guide Roller Bearings	No abnormal noise	Running test
Conveyor Belt	No tearing; stable speed; no deviation	Visual + running test
Conveyor Drive System	Chain/belt transmission smooth; no abnormal noise	Running test
Hydraulic System Pressure	Meets design pressure	Pressure gauge
Hydraulic Cylinders	No leakage; smooth movement	Visual + running test
Hydraulic Filter	Pressure difference within normal range	Gauge reading
Electrical Cabinet	Wiring neat; labels complete	Visual
PLC & HMI	All functions operate correctly	Functional test
Sensors	Proximity/photoelectric sensors respond correctly	Functional test
Encoder	Width measurement stable; no signal loss	Functional test
Emergency Stop	All E-stop buttons functional	Functional test
Safety Guards	Installed; no missing parts	Visual
Noise Level	≤ 85 dB (or per contract)	Noise meter
Lubrication System	Oil/grease supply normal	Visual + running test
Tools & Accessories	Delivered per packing list	Checklist
Technical Documents	Manuals, electrical drawings, maintenance guide	Document check
Spare Parts	Delivered per contract	Checklist
Final Acceptance	Meets all technical requirements	Comprehensive review