





# **Company Overview**

### Co-Tech Outline

Establishment: May 22nd, 1998

Headquarters: Yunlin, Taiwan

Capital: US\$ 85 millions

Assets: US\$ 233 millions

Employee: 312 by Sep. 2023

Chairman: Raymond Sung

President: Frank Lee

Revenue in 2022: US\$ 250 millions

Certification: IATF-16949, ISO-9001, UL-2809

ISO-14001 & ISO-45001













Roof solar power system Power 2000 KW, generating 2.54 million kWh per year, reducing CO2 emissions by 1.34 million kg, 1.98 million M2 forest area







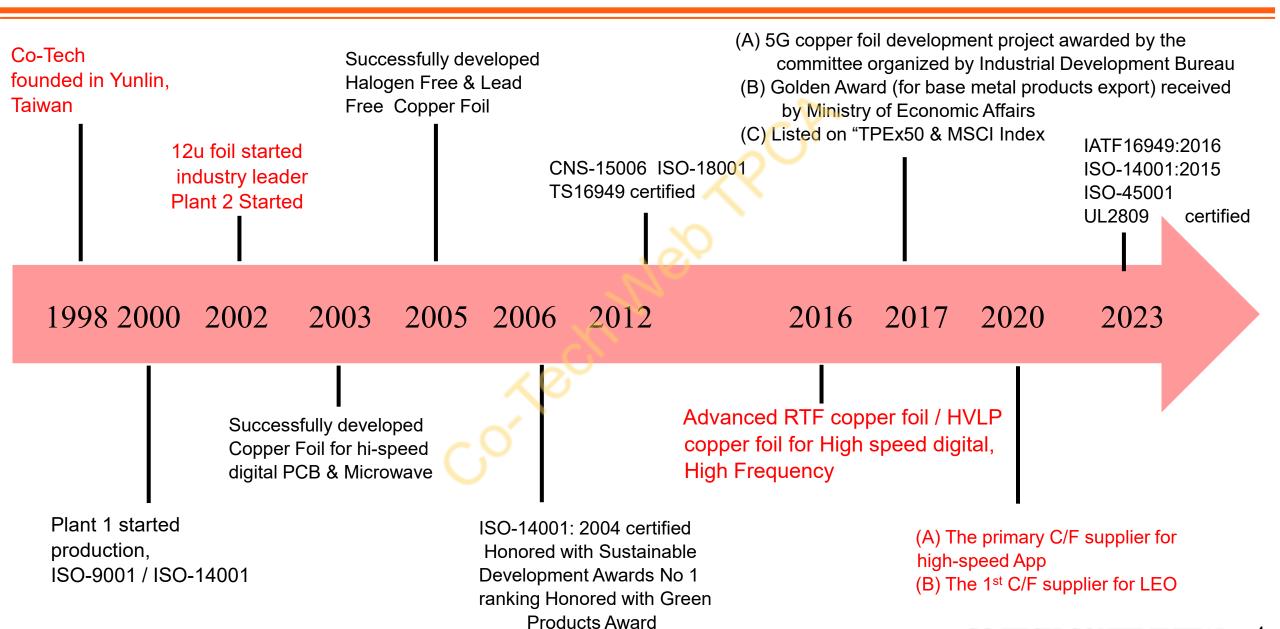


Co-Tech	2022	2023	2025/2026	
Total Capacity (ton/year)	21,600	21,600	31,600	
HTE/RTF/RG	16,800	16,800	23,200	
RV	1,200	1,200	1,200	
HVLP(PF/VL/VF)	3,600	3,600	7,200	

 $\Delta$  HTE / RTF / RG / RV : Capacity can be interchangeable.  $\Delta$  3<sup>rd</sup> Factory is planning for additional 10,000t/y in 2025/2026.



### Milestones







### **High Speed**

### HLC Inner layer

RG315, Rz≦1.7um Very/Ultra Low Loss I & II

RG313, Rz≤1.9um Very/Ultra Low Loss I & II

RG312, Rz≦2.1um Low/Very/Ultra Low Loss

RG311, Rz≦2.3um Mid/Low/Very Low Loss

HG310, Rz≤6.0um(J/Hoz) Mid/Low/Very Low Loss

LP310, Rz≦7.2um(Hoz)

SLD01/SLD02, Rz≤3.0um(Hoz) Mid/Low/Very Low Loss



### HDI

VL411, Rz≤1.0um Very/Ultra I & II Low Loss

VF413, Rz≦1.5um Very/Ultra Low Loss

RG312, Rz≦2.1um Mid/Low/Very Low Loss

RT312, Rz≦2.0um Std/Mid/Low Loss

RT311, Rz≦3.0um Std/Mid/Low Loss

#### High Frequency

FL451, Rz≤1.0um LCP Resin System

VF415, Rz≤1.0um PTFE

VF413, Rz≦1.5um PTFE

RF313, Rz≦3.0um PTFE

LH408, Rz≤10um(Hoz) **Hydro Carbon** 

### **FCCL / FPCB**

RV312,Rz≤2.5um Kaneka / UBE Film

RC313, Rz≦3.0um PI Base

FL451, Rz≤1.0um Kaneka/UBE Film

FL450, Rz≦2.0um Kaneka/UBE Film

FC450, Rz≦2.5um PI Base

### HLC **Outer layer**

PF620, Rz≤0.5um

Ultra Low Loss II

PF510, Rz≦0.6um

Ultra Low Loss I and II

VL411, Rz≤1.0um

Very/Ultra I & II Low Loss

VF413, Rz≦1.5um

Very/Ultra I Low Loss

VL410, Rz≤2.0um

Low/Very Low Loss

Mid/Low/Very Low Loss









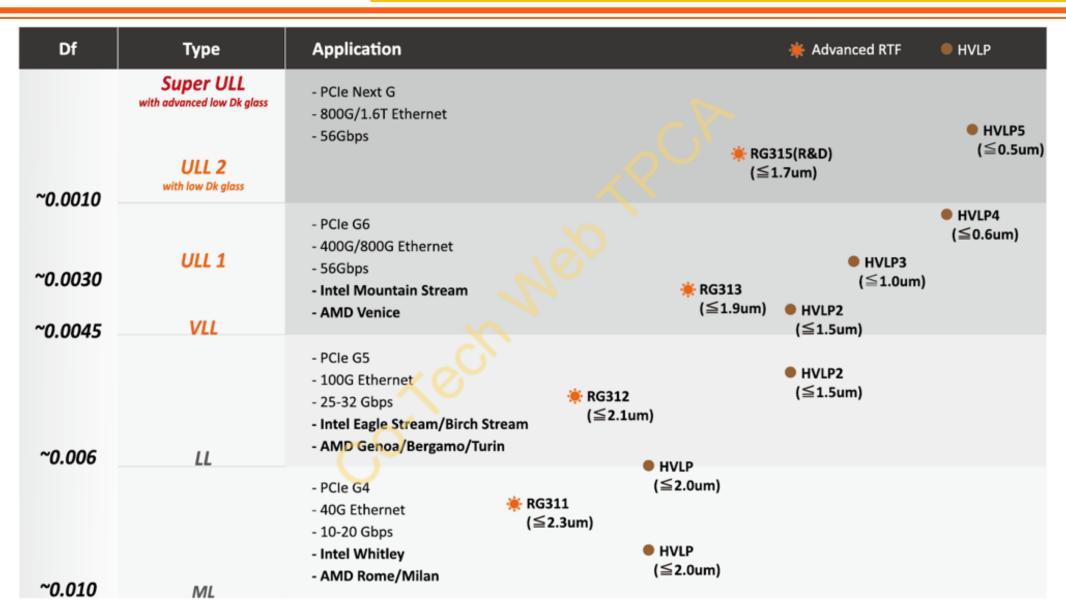
# Co-Tech Copper Foil Specification

RT311	RT312	RG311	RG312	RG313	RG315	VL410	VF413	VL411	PF510	PF620
						4-1		***		

Davishuasa	CoTech Copper Foil		Available Thickness (oz)	Rz(um) @ 1 oz		Rz (um)@ H oz	
Roughness Level				Bonding Side (To Core)	Resist side (To PP)	Bonding Side (To Core)	Resist side (To PP)
RTF	RT311	······································	Q/T/H/1/2	≦3.0	≦8.0	≦3.0	≦6.0
RTF	RT312		т	≦2.0	≦4.0 (Toz)	-	-
A-RTF2	RG311		T/H/1/2	≦2.3	≦7.0	≦2.3	≦5.5
A-RTF3	RG312		H/1	≦2.1	≦6.5	≦2.1	≦4.5
A-RTF4	RG313		H/1	≦1.9	≦5.0	≦1.9	≦4.0
A-RTF5	RG315		H/1	≦1.7	≦2.0	≦1.7	≦2.0
HVLP	VL410	***************************************	H/1	≦2.0	Ra≦0.35	≦2.0	Ra≦0.35
HVLP2	VF413	10.73.1X	H/1	≦1.5	Ra≦0.35	≦1.5	Ra≦0.35
HVLP3	VL411	101111 (1.11111 (1.1111 (1.1111 (1.1111 (1.1111 (1.11111 (1.11111 (1.11111 (1.11111 (1.1111 (1.1111 (1.1111 (1.1111 (1.1111 (1.1111 (1.1111 (1.1111 (1.1111 (1.1111 (1	H/1	≦1.0	Ra≦0.30	≦1.0	Ra≦0.30
HVLP4	PF510	***************************************	H/1	≦0.6	Ra≦0.25	≦0.6	Ra≦0.25
HVLP5	PF620	Core 10.00	H/1	≦0.5	Ra≦0.25	≦0.5	Ra≦0.25

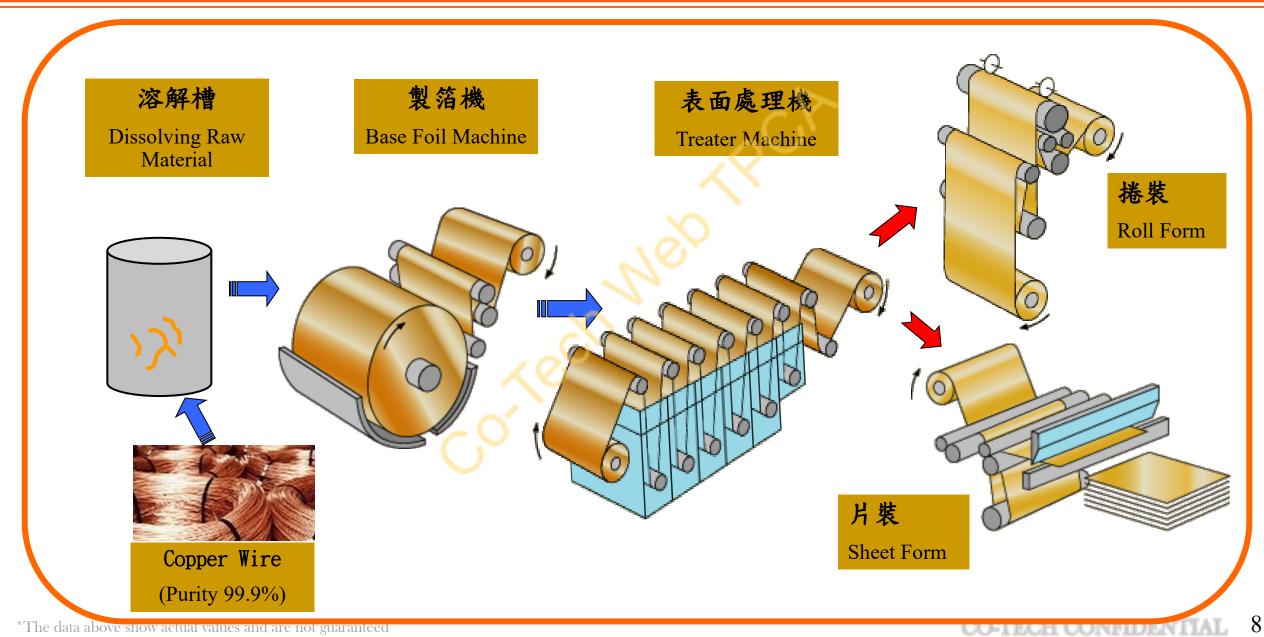


### The Advantages of Advanced RTF





## Copper foil Production Flow Chart





## **Quality System Certification**

#### **ISO-14001 Certificate**



### ISO-9001



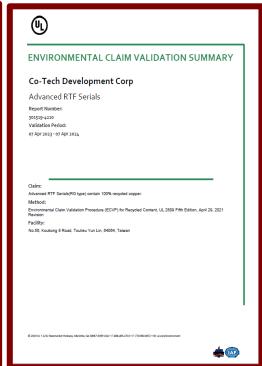
### IATF 16949 Certificate



### ISO-45001



### **UL-2809 Certificate**





## **Value Proposition**

Customization

Communication, Join development.

Time to market

Rapid response, Short lead-time.

Service

Local service. Technical resource support.

Flexibility

Low-volume & high product mix.



