

# NEW CAL PROCUTS

## 1)WHY NEW CAL WAS DEVELOPED

### [Ultra Low Carbon Steel]

#### **Batch Annealing Furnace (BAF)**

Merits : Deep Drawing  
Non-Aging  
Demerits: Delivery  
Quality On Surface  
Deviation In Material

#### **Continuous Annealing Line (CAL)**

Merits : Equalization In Material  
Quality On Surface  
Delivery  
Demerits:Aging In Material  
Stretcher Strain

#### **MERITS INTEGRATION**

#### **New CAL With Non-Aging**

Merits :

- Assuring Non-Aging & Deep Drawing
- Excellent Equalization & Quality
- Just in Time(Delivery)

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## 2) Classification In Temper

Temper	T - 1	T - 2	T -2.5	T - 3	T - 4	T - 5
Annealing	CAL (Low & Ultra Low Carbon Steel)				CAL (Low Carbon Steel)	
Code	T-1CA	T-2CA	T-2.5,T-2.5CA	T-3,T-3CA	T-4CA	T-5CA

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## 3) Comparison Ultra Low Carbon & Low Carbon CAL

STEEL TYPE		Non-Aging	Deep Drawing	Equalization	Quality on Surface	Shape	Welding
T-3	Low Carbon (CAL)	△	△	⊙	⊙	⊙	O
T-3CA	Ultra Low Carbon(CAL)	⊙	⊙	⊙	⊙	⊙	O

## 4) Applied To End Usages

Items	End Usage in New CAL(Ultra Low Carbon Steel)
For Drawing	Draw 2'p Can (Oval Can Body), Aerosol Dome, Corn, Bottom, Camping Gas Body,
For Expanding	Pail Can Body & Top/End, 4~ 18L Can Body,
For Rounded Drawing	2'p Can Body(Beverage Can, Battery Jacket), Oil Filter Can Body