

# Auto Tracking System(OPTION)

This Auto Tracking system can control a mean weight which are being changing According to the factory's temperaturer,moisture,others processing situations.

So,we would like to explain this auto tracking system for your reference through the below sample charts

Also,This auto tracking system applications was as follows.

- 1. Diaper for woman,baby,others.**
- 2. Napkin,Paper & Roller tissue.**
- 3. Fiber Materials which can change the mean weight sometimes.**
- 4. Cigarette,cigar,paper product,**
- 5. All product which a mean weight may be changed according to many situations.**

For the example,

Please think of the following sample product

1. Sample Product(NO 1) : Diaper

2. Weight data checked in a day

- Product No1 : 900g = Checked A Time(09:00 am)
- Product No1 : 920g = Checked B Time(11:00 am)
- Product No1 : 872g = Checked C Time(01:00 pm)
- Product No1 : 936g = Checked D Time(05:00 pm)

3. Weight Data set by a general check weigher.

- Standard Weight = 900g
- Overweight = 915g
- Underweight = 890

4. If a general operator set up the above weight data in a check weigher.

Although Product 1 was the sample product

Product 1 checked on B,C,D Time must be rejected by Rejector

According to a checked time.

5. The best solutions

If a mean weight will be changed under the same product according to TIME

All overweight & Underweight set by the operator should be changed

According to the mean weight.

Finally then,Auto tracking system can control the production difficulty like this situations

6. We hope that you can understand this Auto Tracking system with the below another chart

You will find out our excellent AUTO-TRACKING SYSTEM with the below charts.

**A. Sample Product : Diaper**

**B. Weight setting DATA which the user want to set up for the USER`s Product**

- Standard Weight = 900g ( **MEAN** )
- Overweight = 915g ( **Reject Limit** )
- Underweight = 890g ( **Reject Limit** )

**C. Limit data set up in check weigher**

(Unit : g)

Mean Weight(Standard)		900
Reject Limit	Overweight	915
	Underweight	890
Management Limit	Overweight	925
	Underweight	875
Interval Product		3

\* The above Management Limit means the LIMIT Lines which Can limit the NEW Mean Weight changed.

\* Interval Product means the Number can make the average weight

**D. The sample data being changed according to the factory Surrounding.**

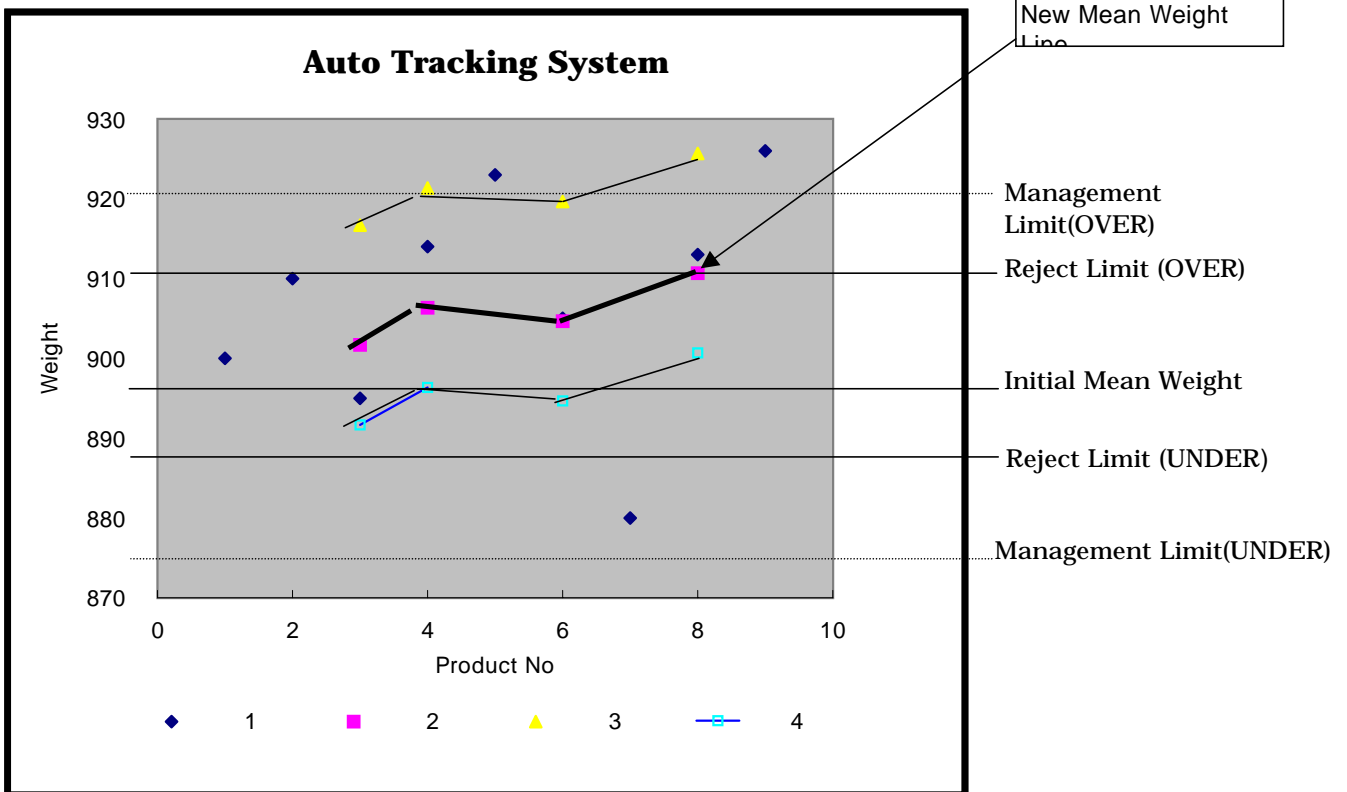
**a. Date Variation**

(Unit : g)

Product No	P1	P2	P3	P4	P5	P6	P7	P8	P9
Each Weight	900	910	895	914	923	905	880	913	926
New Mean Weight			902	906	X	905	X	911	X
New Reject Limit	OVER		917	921	X	920	X	926	X
	UNDER		892	896	X	895	X	901	X
Available Count No	C1	C2	C3	C4	N.G	C5	N.G	C6	N.G
Management Limit can set up as the user want to and can not be changed after being fixed.									

\* Available Count No means the factor which can make New Mean Weight

**b. Diagram Variation being changed**



**C. The reasons to reject P5,P7,P9 Product**

1.Product No 5 : N.G product(NO COUNT)

- Over Reject Limit of Product 4 = 921g
- Under Reject Limit of Product 4 = 896g

2.Product No 7 : N.G product(NO COUNT)

- Over Reject Limit of Product 6 = 920g
- Under Reject Limit of Product 6 = 895g

3.Product No 9 : N.G product(NO COUNT)

- Over Reject Limit of Product 8 = 926g
- Under Reject Limit of Product 8 = 901g
- Product No 9 weight was excessive to OVER(Management Limit Line)

4. All products can be passed when their weights are in the range of Over&Under Reject Limit  
Also in the range of Over&Under Management Limit at the same time

#### D. Details of the value variation

1) In case of Product P1 checked : 900g

- Mean Weight : unchanged ( initial setting value will be applicable)

2) In case of Product P2 checked : 910g

- mean Weight : unchanged ( initial setting value will be applicable)

3) In case of Product P3 checked : 895g

- New mean Weight :  $902g = [900(P1) + 910(P2) + 895(P3)] / 3$

- New Reject Limit : OVER =  $917g = 902(\text{New mean value}) + 15$

UNDER =  $892g = 902(\text{New mean value}) - 10$

4) In case of Product P4 checked : 914g

- New mean Weight :  $906g = [910(P2) + 895(P3) + 914(P4)] / 3$

- New Reject Limit : OVER =  $921g = 906(\text{New mean value}) + 15$

UNDER =  $896g = 906(\text{New mean value}) - 10$

5) In case of Product P5 checked : 923g(N.G)

- New mean Weight : No available Count

- New Reject Limit : No available Count

- 923g(N.G) was not in the range of New OVER (921g) & New UNDER(896g) of Product P4's Reject Limit

6) In case of Product P6 checked : 905g

- New Reject Limit : OVER =  $920g = 905(\text{New mean value}) + 15$

UNDER =  $895g = 905(\text{New mean value}) - 10$

7) In case of Product P7 checked : 880g(N.G)

- New mean Weight : No available Count

- New Reject Limit : No available Count

- 880(N.G) was not in the range of New OVER(920g) & New UNDER(895g) of Product P6's Reject Limit

8) In case of Product P8 checked : 913g

- New Reject Limit : OVER =  $926g = 911(\text{New mean value}) + 15$

UNDER =  $901g = 911(\text{New mean value}) - 10$

9) In case of Product P9 checked : 926g(N.G)

- New mean Weight : No available Count

- New Reject Limit : No available Count

- 926(N.G) was excessive to the range of OVER(Management Limit : 925g)