

- 3. (10) -

3.2.4 .

(1)	.
(2)	.

(1)

(2) < 3.2.8>

,

Uster evenness tester

U%가

,

,

,

,

f(

)

F

condenser

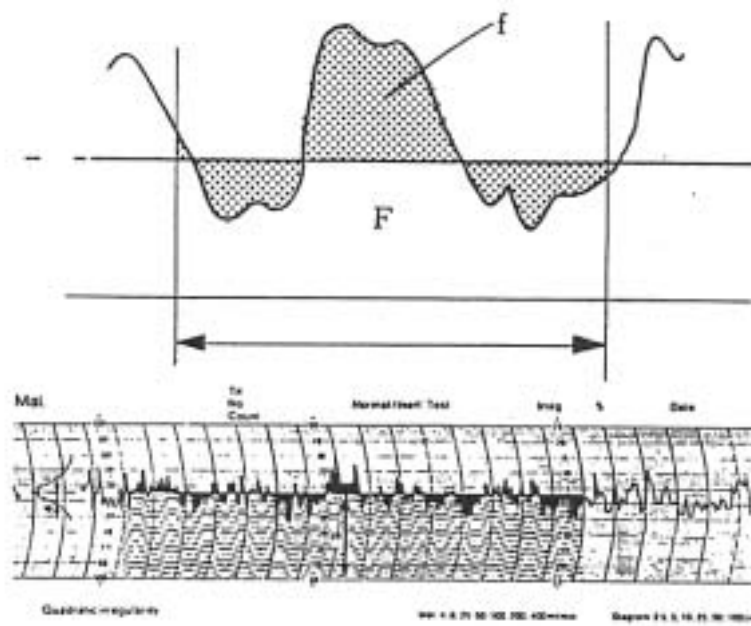
, $U = f/F \times$

100(%)

,

가

.



< 3.2.8>

(3)

1)

12~25%

2)

< 3.2.1>

30~40s	10~14%(8%)
60s	12~16%
80s	18~20%
100s	20%
120s	20~25%

3)

가 .

slide bar (locknut) .

.

+ 가 , -

. 1

2% .

, , ,

.

(4)

.

, 가

,

6yd .

가 .

n :

x_i :

$\bar{x}$:

,

: R

$$R = (x_i \quad) - (x_i \quad)$$

: σ

$$S = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n}} \quad \frac{R}{d_2}$$

1/d₂ , n = 20.8862

n = 20.8862

n = 30.5908

n = 40.4857

n = 50.4299

⋮

n = 10 0.3249

: CV(%)

$$CV = \frac{s}{\bar{x}} \times 100(\%)$$

(5)

staple diagram

B .
 가 Uster evenness tester
 U%가 , .

[]

,
 . < 3.2.8> f F
 , $f/F \times 100$ U% .

B .
 () ,
 Uster evenness tester U% , KZ Comber
 ()% .
 [3, 5, 7, 10]

[] 3

A .
 () .
 (1) , (2)%
 , 12~16% (3)가 .

[] (1) (2) 12~25 (3)

A .
 3가

$$[\quad](1) \quad , \quad ,$$

(2)

(3)

$$(4) \quad \frac{\partial \mathcal{L}}{\partial \mathbf{A}} = \mathbf{0}, \quad \frac{\partial \mathcal{L}}{\partial \mathbf{B}} = \mathbf{0},$$

Diagram illustrating the stages of the B-Process:

- (1) 30~40s
- (2) 60s
- (3) 80s
- (4) 100s

[] (1) 10~14% (2) 12~16% (3) 18~20% (4) 20%

· B ·

()

(1) (2) , (3)가

(4)

·

·

= (5)/{(6)+(5)} × 100(%)

$$[\quad](1) \quad , \quad (2) \quad , \quad (3) \quad , \quad (4)$$
$$(5) \quad , \quad (6)$$