

()

1.

1.1

(ring)

가 5~10%

가

가 .

,

가

가 .

가 . 1 kg \$2.00(

1,400)

3,000

20,000

가

,

0.5%

(waste)

.

50%

가

가 ,

가

.

$(3,000,000 \times 0.25 \times 2.00) / 100 = \$15,000 /$ (1,050 /)

,

가

. 가

, ,

(elasticity)

.

Tamas

(cleaning machine)

,

10%

가

. (nep) 가

. 50%

,

가 150

.

가

가

.

1.2

1.2.1

1.2.1.1 (opening)

(flock :)

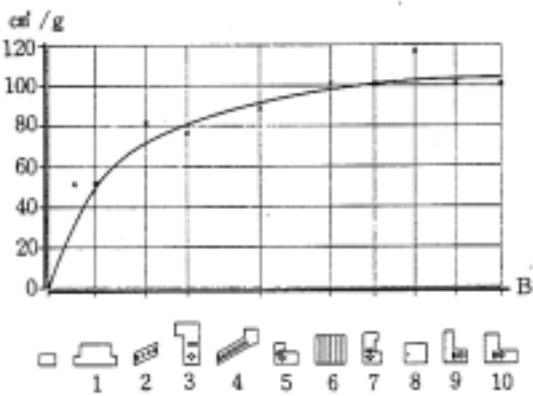
0.1mg

. Artzt,

Schenek Al Ali < 1>

가

.



< 1>

A : ()

B :

가

가

가

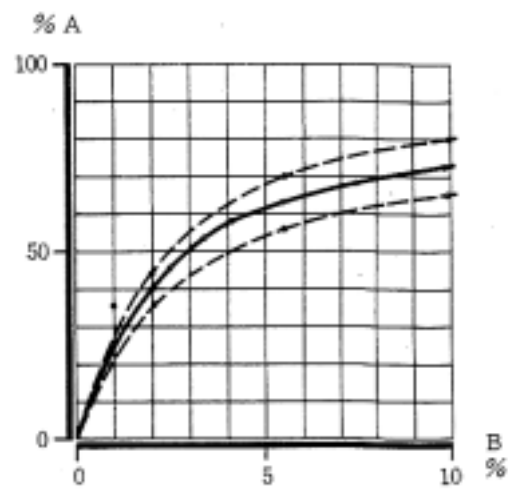
가

1.2.1.2 (cleaning)

40~70%

Trutzschler

< 2>



< 2>

A : (%)

B : (%)

가

가 . Siersch 가
 , 0.6%
 1.2% 가 , 24% 가 .
 40~60% .
 가 .

(CE, cleaning efficiency)

$$C_E = \frac{A_T - A_F}{A_T} \times 10$$

A_T : (%)

A_F :

1.2.1.3 (dust)

(suction)

. Mandle 가

(64%),

가 .

. < 3> Mandle

.

1.2.1.4 (blending)

.

(doubling)

.

.

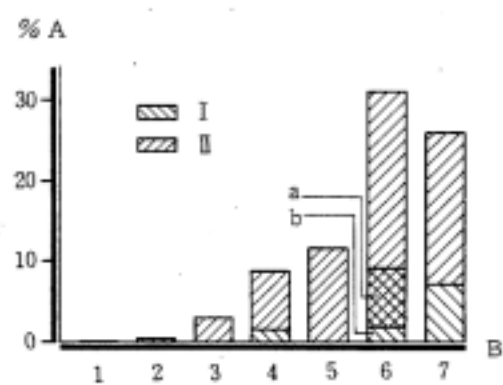
(random effect)

가

가

.

.



< 3>

(B)

(A)

1~5: , 6: , 7: + , a: ,
b: , : , :

1.2.1.5

가
가 (scutcher)
가
가
가
가
가

1.2.2

1.2.2.1

3

-
- 가
-
-
- (ginning mill)

- , (lap) (web),
-
- (recycled fibre)
- , (waste)

.

1.2.2.2

Rieter < 1>

(%) .

.

	100
(filter)	95~98
	95~97
	35~55
()	35~55
(flat)	65~80
	95~97

가

(waste fibre) .

. (web)

(thread break suction system)

< 1> (%)

設 備 別	綿纖維(길이)				合成纖維
	1in	1 1/6 in	1 1/8 in	1 1/2 in	
링 精紡機	1.5	2.2	2.7	3.0	2.2
粗 紡 機	1	1	1	1	1
練蠶機의 폐사지출	0.6	0.6	0.6	0.6	0.6
精梳練機(=)	12	15	17	19	-
리 본 렘	1	1	1	1	-
슬라이머 렘	0.5	0.5	0.5	0.5	-
梳 棉 機	5	3.8	3.1	2.8	0.6
混 打 棉 機	6	5	4	3	0.5

(recycled fibre)

가

. Schubert & Salzer

5%

2.5%

20%

10%

5%

. 가

,

.

1.2.2.3 (bale)

.

2-~48

6~12

. 48

,

(bale opener)

(blender)

(mixing chamber)

가

.

,

.

,

가

.

. Spilnlab

가 .

1.2.2.4

23 , 45~50% .

, 가

가 . 가 .

.

가

(extraction floor)

.

24

, 48 .

24

.

가 .

.

.

1.2.3

1.2.2.1

(opening), (cleaning)

(blending) 가 .

가

(intensity)

· ,

가

.

가

가

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가

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가

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가

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, ,

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○

○

○

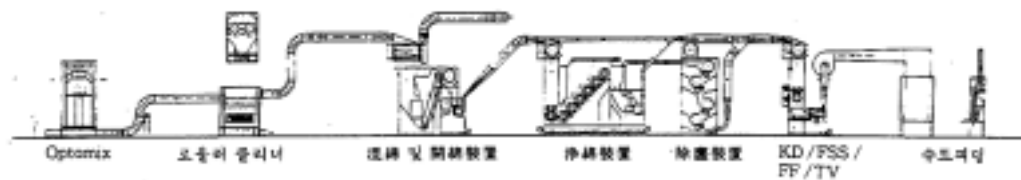
○

○

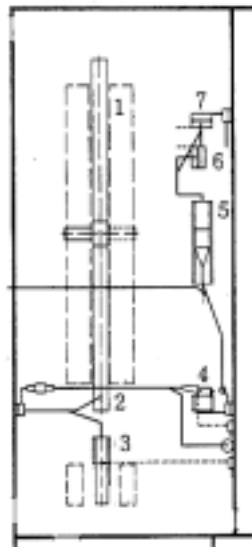
<

4~7>

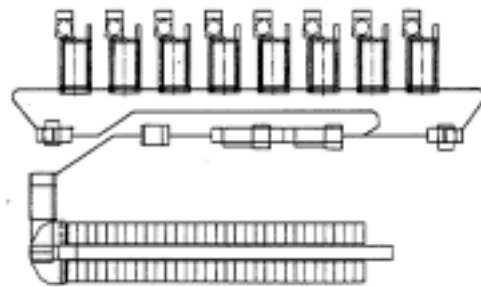
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< 4> Hergeth Hollingsworth



< 5> Rieter



< 6> Schubert & Salzer