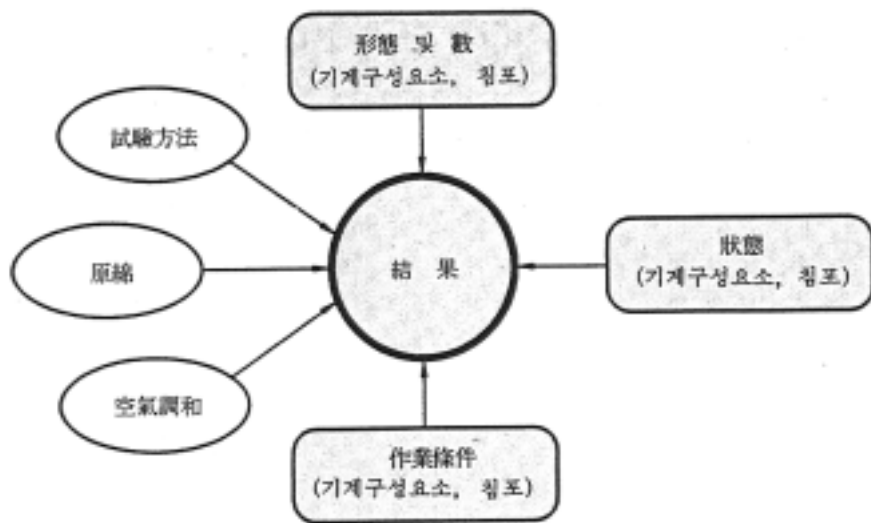


()

1. 가

가

,
< 1>.



< 1>

(machine component)

(type),

(condition),

가

(cleaning)

Bremen

3

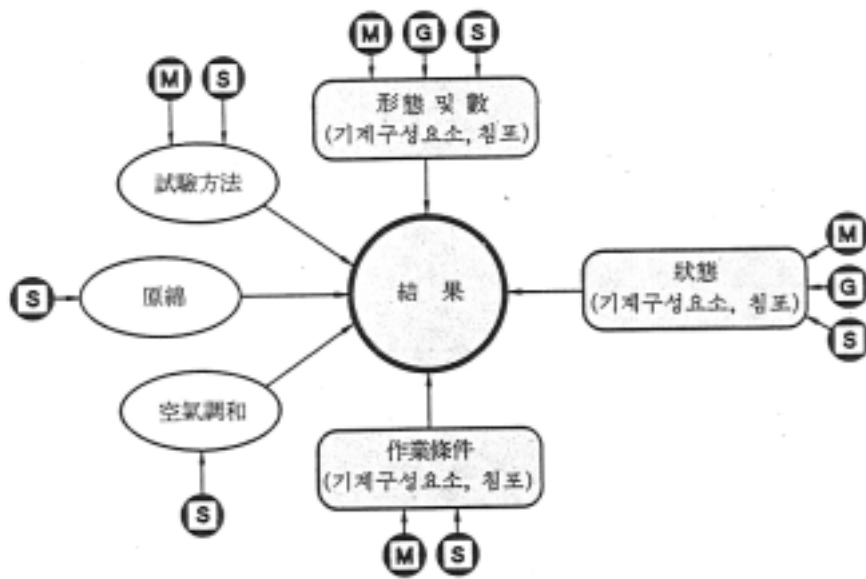
가

< 2>

(M),

(G),

(S)



< 2>

가

가

，

가

가

.

가

，

가

，

가

가

가

，

가

(

)

- (parallelism)
- (miscibility)
- (staple composition)
- (fiber surface)
-
-
-
-
-
- (cleaniness)

가

，

가

“

”

， <

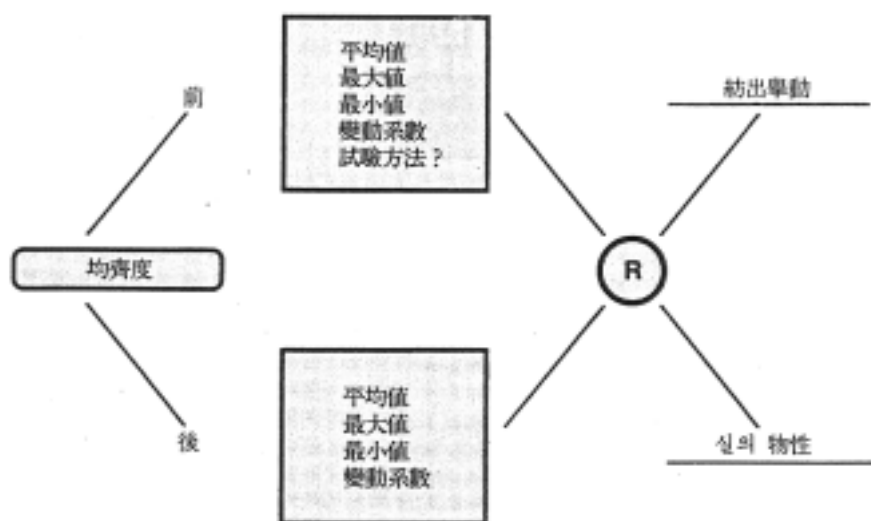
3>

(R)

가

가

< 3>

 $\langle 3 \rangle$ $\langle 1 \rangle$

가

가

가

가

가

가

가

가

(multi dimensional experimental

building)

가

가 OE

2.

< 4>

“ ” 가

“ , “ ”가

가

가

(nep)

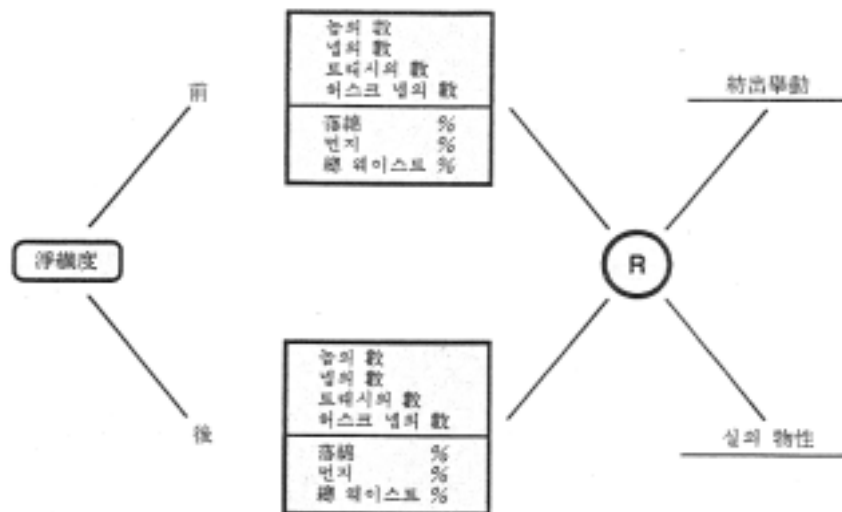
(residual trash)

가

가

OE

가



< 4>

< 5> (knop), ,
(trash), (husk nep) , (burl)
1mm 1mm 가 .
가
. < 6, 7, 8, 9> , ,

, .

,

.



눈>약 1mm



넙<약 1mm



트래시 (葉片 및 莖片)

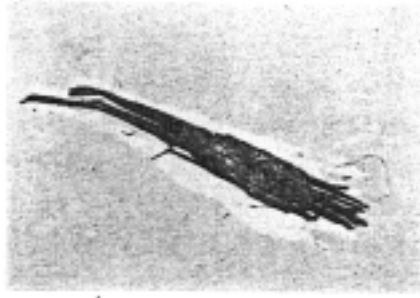


허스크 넙 (實片)

< 5>



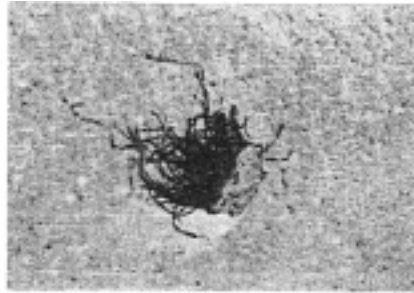
< 6>



< 7>



< 8>



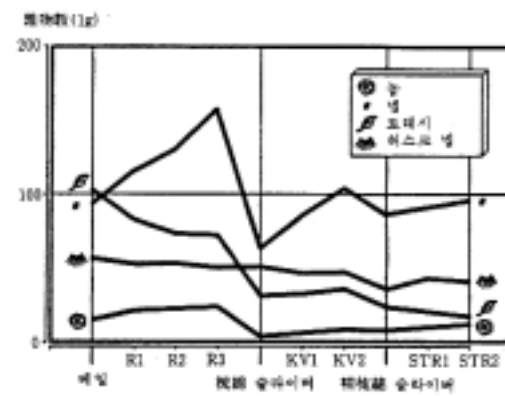
< 9>

< 10>

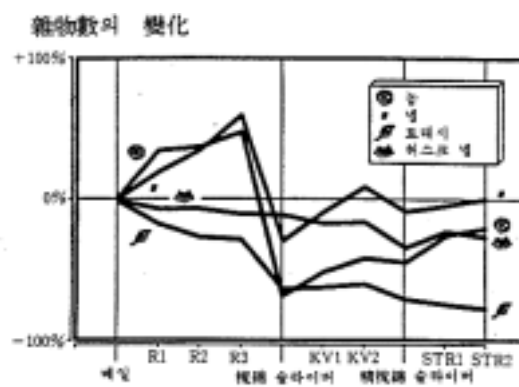
,

, < 10>

가 (scotching area) 가 , 가 . , 가 , 50 100 가 . < 10, 11> ,



< 10>



< 11>

90% .

(soil content) 1% 0.1%

가 , ,

가 , 가

1/10 ,

가

< 10> ,

< 11> < 10>

100% 가 가

가

30% , 가

15% ,

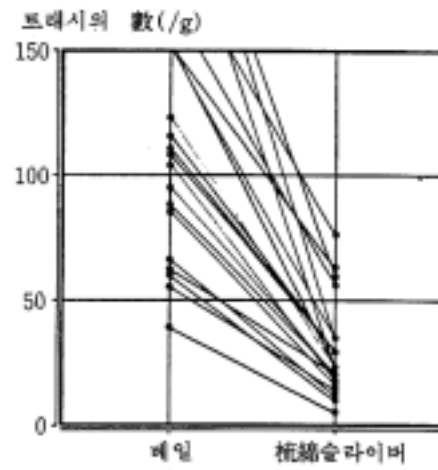
, < 12> 28

, < 12>

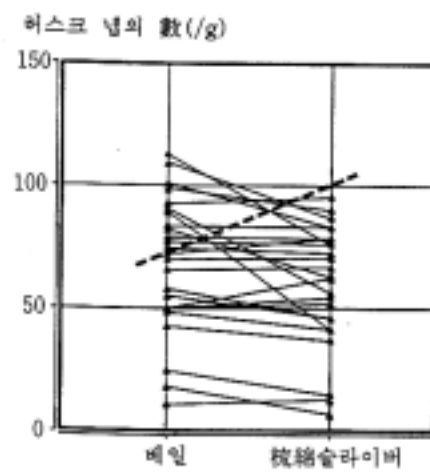
30~300

100

25가



< 12>



< 13>

< 13>

가

,

가 가

75가 ,

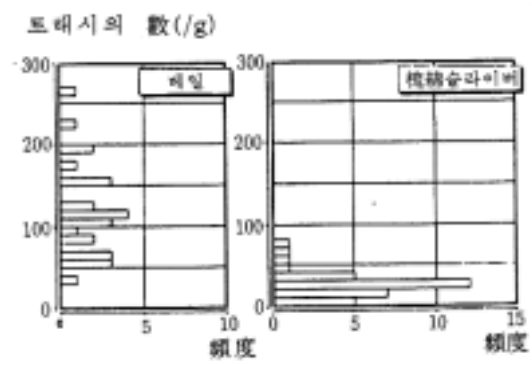
가

< 14>

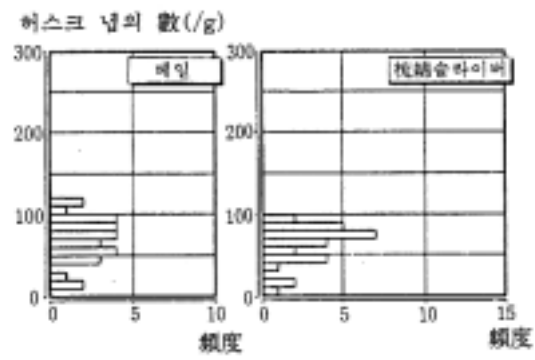
가

가

가



< 14>



< 15>

< 15>

가

,

10 .

,

,

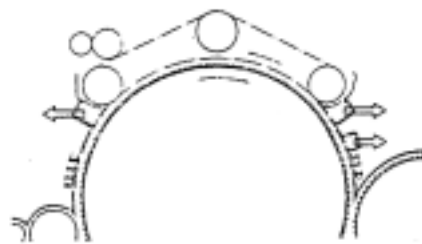
가 . 가

, 가

가 .

, < 16>

가 .



< 16>

,

(blade)

(suction hood) ,

1/10 .

(webclean) 2 3

. 3

,

가?

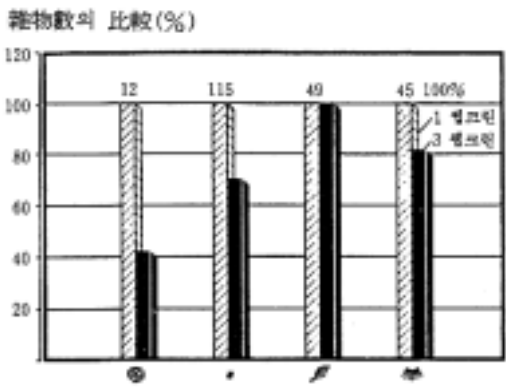
, 3

15%, 20%

, 5~30% 가 ,
가 .

< 17> 3

, 20% 30% . , 3



< 17>

, < 18>

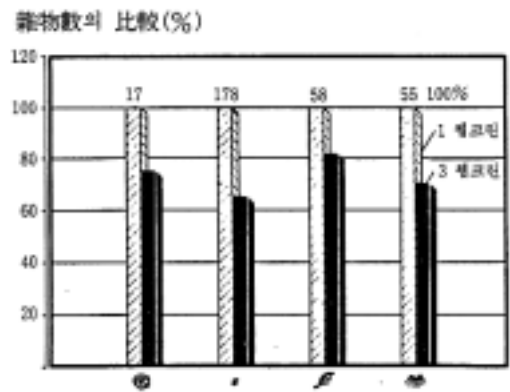
20% 30% , 10% 가
가

OE < 19> .

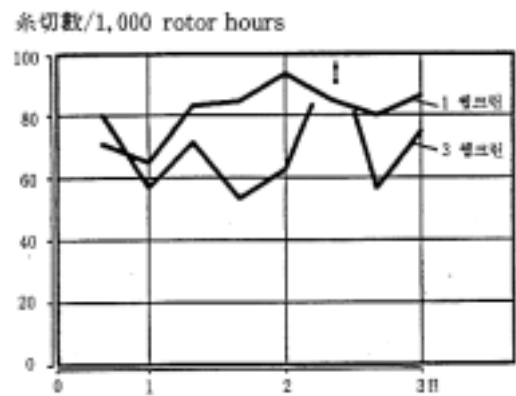
3 2 OE , 1

3 .

(cross experiment)



< 18>



< 19>

< 19> , 3

1 20% 가 ,

3 가

< 1>

, 1
 27.9% 3 13%
 96 72 25%가
 26 9

< 1>

糸切原因	Autocoro 4 1-Webclean			Autocoro 2 3-Webclean		
	頻度	%	사절수/1000r/h	頻度	%	사절수/1000r/h
薄部	1	1.6	2	1	2.2	2
슬립	—	—	—	—	—	—
럼프(lump)	1	1.6	2	2	4.3	4
外來雜物	36	59.1	56	34	73.9	52
히스크 넘	17	27.9	26	6	13.1	9
로우터의 실फल	3	4.8	5	—	—	—
기타	3	4.9	5	3	6.5	5
합계	61	100	96	46	100	72

< 2>

사절원인	실린더의 속도 360rpm			실린더의 속도 460rpm		
	빈도	%	사절수/1000r/h	빈도	%	사절수/1000r/h
薄部	2	2.5	1	1	1.4	1
슬립	—	—	—	—	—	—
럼프	12	15.2	7	10	14.5	6
外來雜物	44	55.7	28	43	62.3	25
히스크 넘	14	17.7	8	8	11.6	4
기타	7	8.9	4	7	10.1	4
합계	79	100	46	69	100	40

3 360rpm
 460rpm 가 , 3

< 2>

1000r/h 8 4

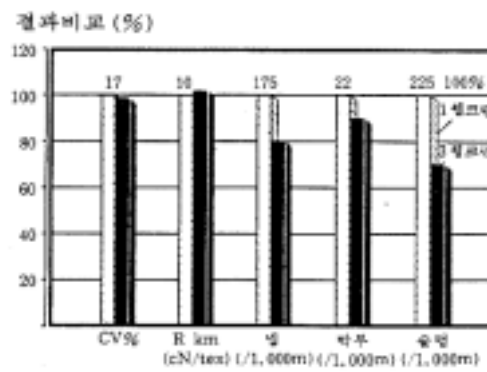
3 96 72 25%가 ,
가 46 40 13%가 ,

가

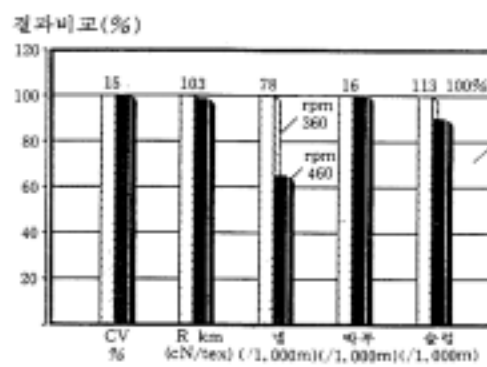
15% 가

가 가

가



< 20>



< 21>

< 20> 1 3

, 1 100%

. 3 , ,

(lean place), (slub) 20%, 10%, 30%가

.

< 21> , 가

460rpm 360rpm 30% , 10%

가 .

가 ,

가가

.

,

가 가

. , OE

.