

1.

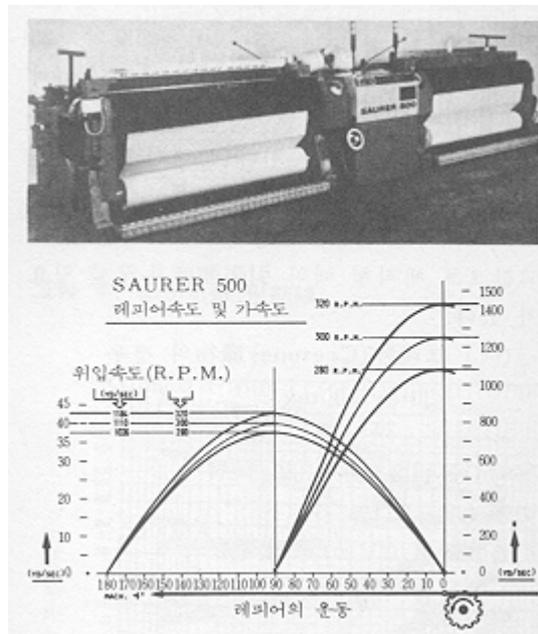
1,500m/

가 가  
가 가

(law of motion)

가

( 1 ).



< 1> Saurer 500 2 , : 2 × 185cm, :  
Staubli . : , 169cm .

가

가

가

가

가 “

가 ” “

## 2. (Yarn)

가

가  $P_{max} < ( )$  25%  
(Krause 가 )

가

25% , 가  
( )

가  
가 .

< > (Cretone)

$$\left( \frac{30\text{tex} \times 30\text{tex}}{24 \times 24}, \right)$$

$$(\quad) = 380.3 \text{ cN}$$

$$= 9.1\%$$

$$\text{CV}(v) = 11.4\%$$

$$= \frac{V \cdot \chi}{100} = \frac{11.4 \times 380.3}{100} = \pm 43.4 \text{ cN} (\quad)$$

$$= -(4 \cdot \quad) = 380.3 - (4 \times 43.4) = 206 \text{ cN} (\quad 99.99\%)$$

$$= 98 \text{ cN}$$

$$= 3.3 \text{ cN/tex}$$

$$, \quad 1:2.1 =$$

$$= 88 \text{ cN}$$

$$= 3.0 \text{ cN/tex}$$

$$, \quad 1:2.4 =$$

가 .

4가

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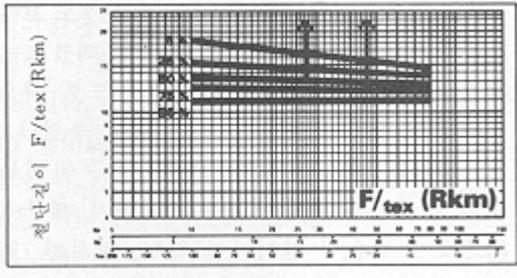
· (U% CV%) : (thick and thin)

(imperfection indicator)

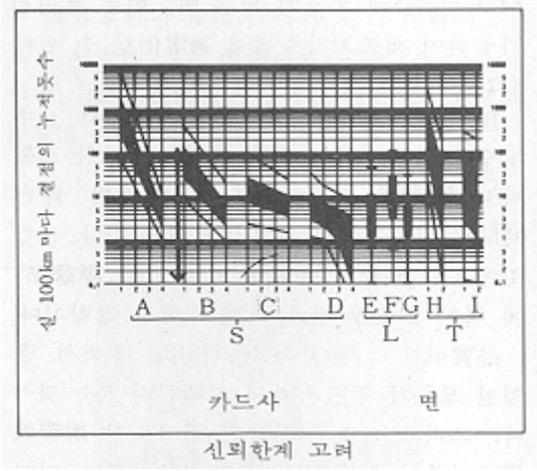
· (CV<sub>T</sub>%)

( 2 )

, 100% ( 3 )



< 2> ( )



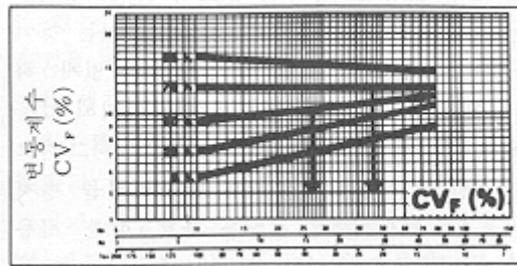
< 3> ( )

(hairiness) . 4가

(U% CV%)가 Uster 75%

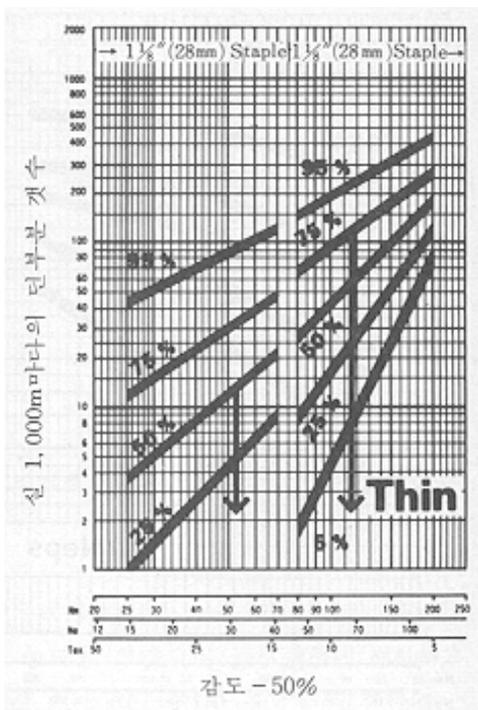
가 50% 25%

( 4 ) .

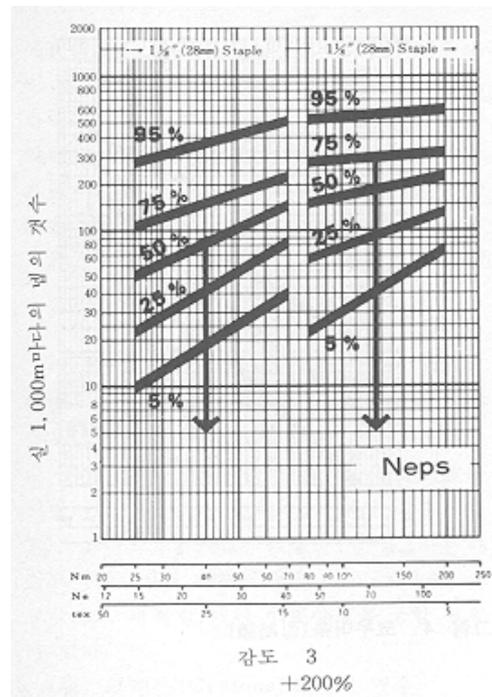


< 4> ( )

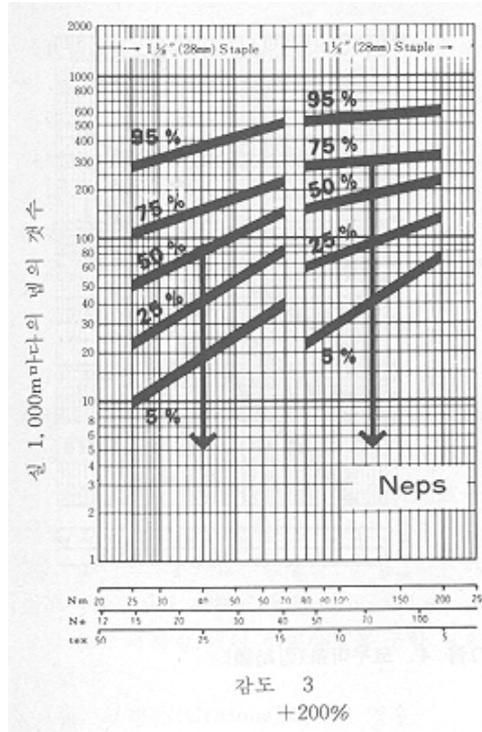
- 1,000m (thick places) (thin places), Uster  
75% ( 5~7 ).
- Uster  
± 10% , Uster ± 15% .



< 5> ( )



< 6> ( )



< 7> ( )

### 3. (Winding)

가

(taper)

가

가

가

(balloon) (

(angle of crossing) . 가

. 가 가

가 ,

105mm 가 ,

가 ,

가

#### 4. (Direct and sectional warping)

가

가

가

· ,

, 가

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가

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**5. 가 (Sizing)**

가 가

. 가 ( )

, , 가

가 . 가 , ,

, 가

가 (size

cooking)

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**6. (Weave room organization)**

가 . 가



가

(signal lamp)

가?

1) Saurer 500 ( 8 )

(ground)

( 9~11 )

.

( + )

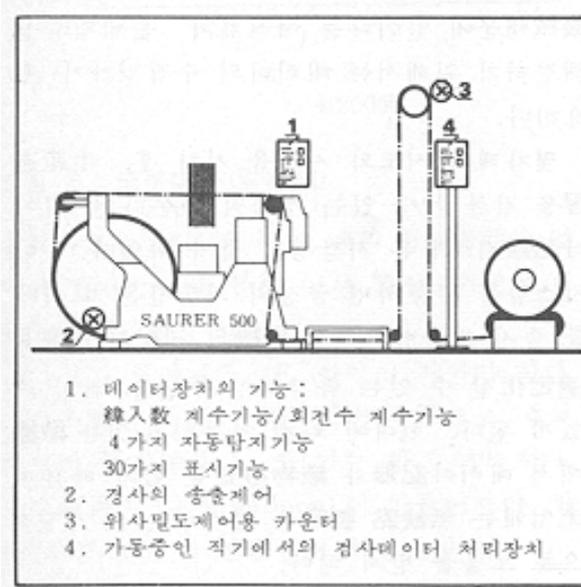
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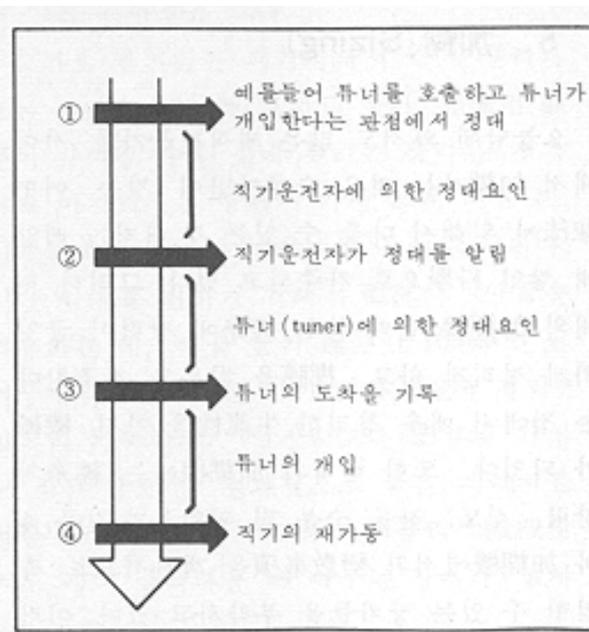
(piece doffing)

2

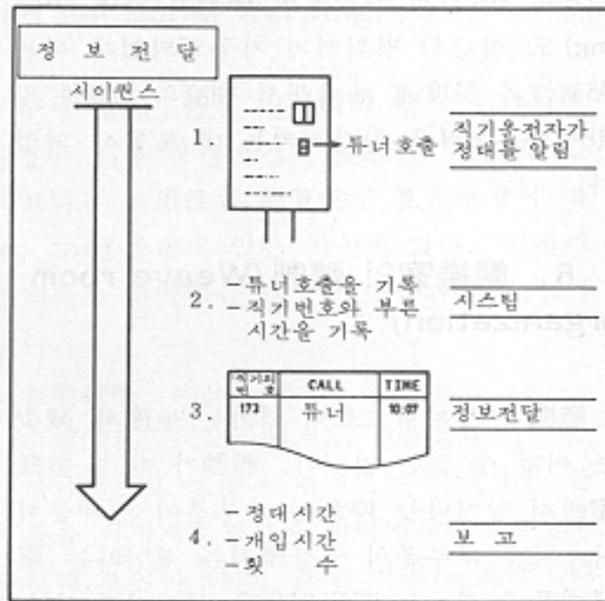
.( 12 ).



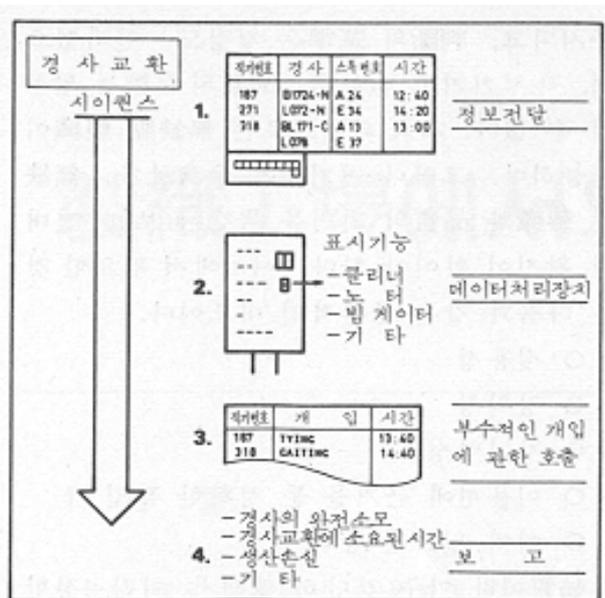
< 8> :



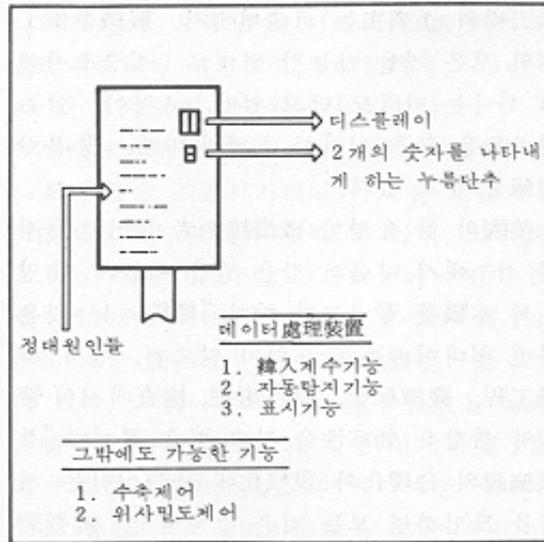
< 9>



< 10 >



< 11 >



< 12 >

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2)

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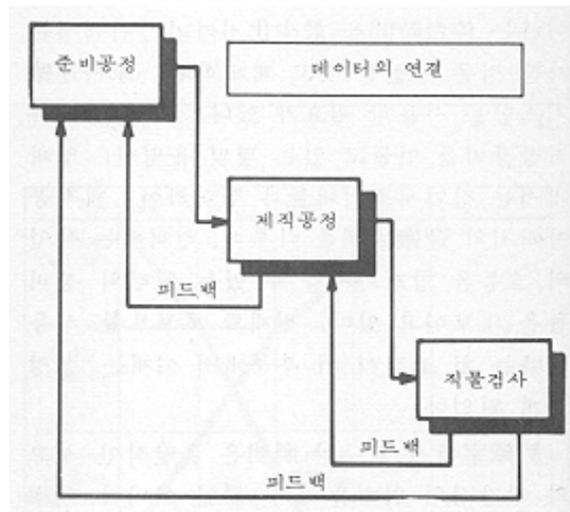
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가

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가

가  
 가  
 ( 13 ).  
 2 (random) 가 1  
 2%



< 13 >

< > 300

\*

10 2 = 20

\*

2 = 6

1 , 1 = 1 , = 7

2

= 0.2%

\*

13

2

0.2% ( .)

가 .

가

가 (air conditioning)

가

가 .

7.

“ ”

가 .

가

가

가

가

가

“

”

가