

(Blending)

4.4.3 (flock blending)

(bale mixing)

가 가 .

(weighing hopper feeder)

(blending machine)

가

가

Contimeter)

(Rieter

가 .

(rolling movement)

가 .

4.4.4 (lap blending)

가 .

(doubling scutcher)가

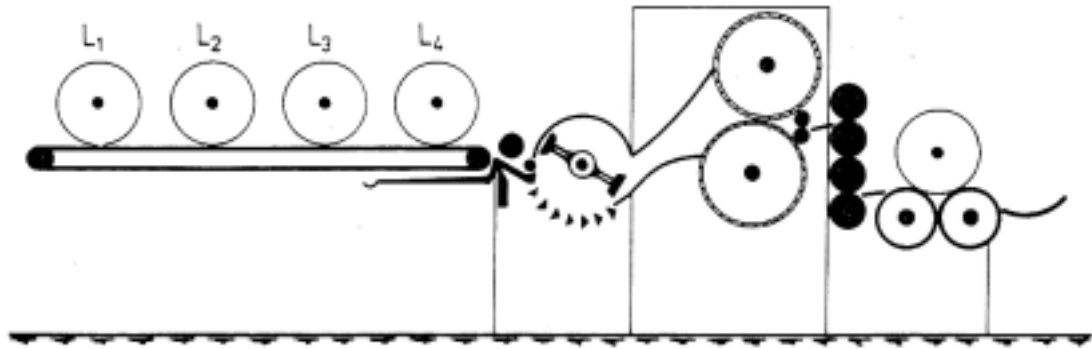
4~6 (L)

(conveyor lattice)가 < 33>.

(lap sheet)

(beater)

(cage)가 .



< 33> (scutcher)

가

가

가

4.4.5 (web blending)

< 34>

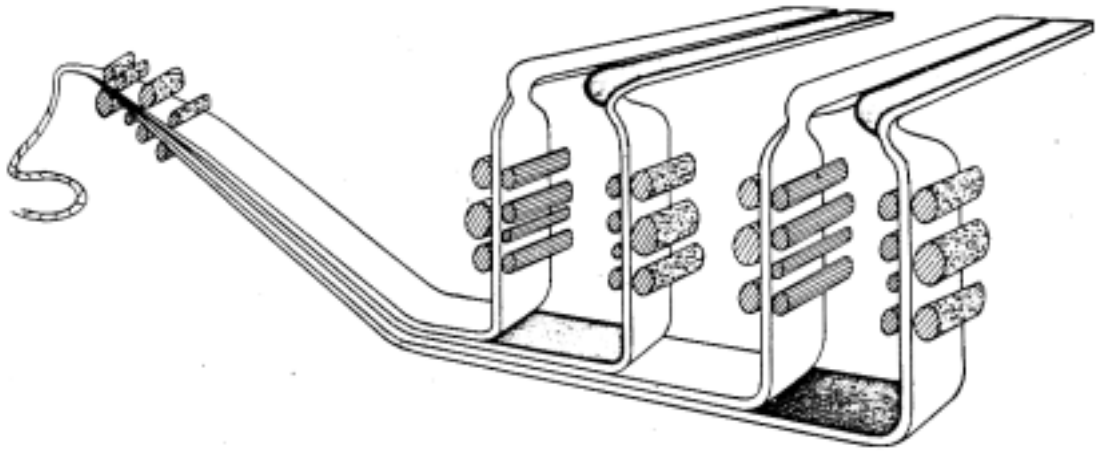
(ribbon lap m/c)

()

(: Hispablender).

가

가



< 34>

4.4.6

(sliver blending)

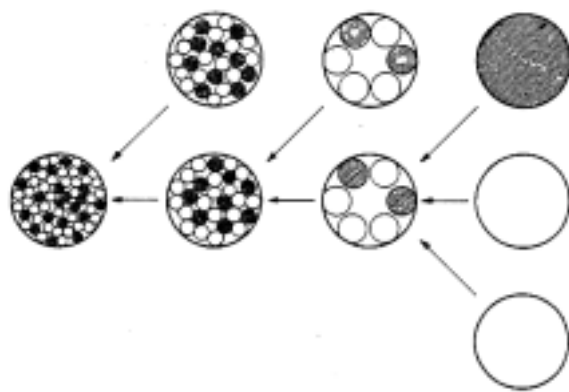
가 . 가
 가 . 가
 , .
 가 67/33
 가 가 4
 2
 < 35>.
 가 3 가
 가 .

가 (fibre strand)

. 가

(stripiness)

.



< 35>

:

4.4.7 (fibre blending)

가

. (cotton card)() (woolen card)(가
) () .

4.4.8 (roving blending)

(effect yarn)

가

가

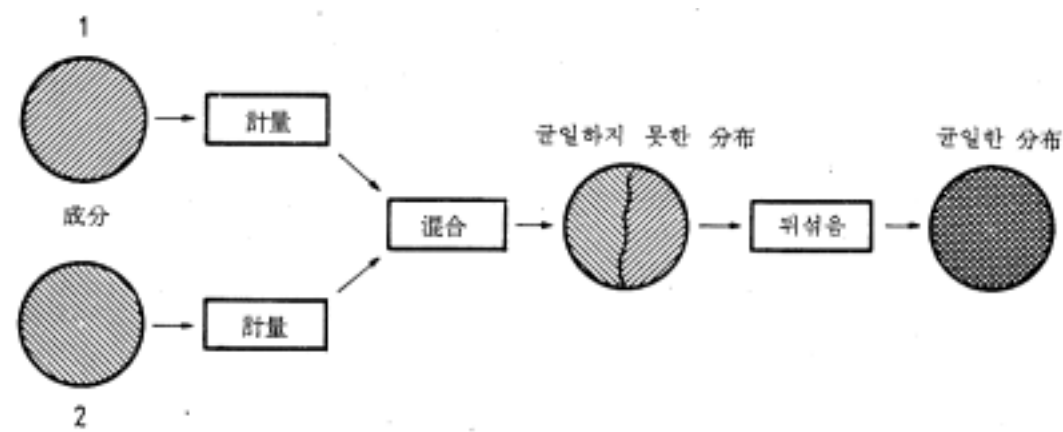
가

(Jaspè-yarn)

4.5

4.5.1

3 < 36>.



< 36>

- (metering):
- (mixing):
- :

가

(stretching)
(de-blending)

4.5.2 (metering)

○ (random mixing): , .

○ :
(batch)

.

○ : Rieter

Contimeter, Trü tzscher (flock blender)

. (batch)가

(strand) .

5.

. (,)

. 가

. 가 .

가

.

가 가

. 가

가 .

.

○ (.)

○ (

.)

○ (

가 .)

○ [

(feed tube) .]

○ (.)

6.

6.1

6.1.1

가 가 .
가 .
.
가 .
가 . Martindale ,
.

$$U_{\text{lim}} = (80 / \sqrt{n}) \cdot \sqrt{1 + 0.0004 \text{ CV}_D^2} 1 \quad (\text{linear})$$

$$CV_{\text{lim}} = (100/\sqrt{n}) \cdot \sqrt{1 + 0.004 \, CV_D^2} \quad 2 \quad (\text{quadratic})$$

$$DV_D$$

$$U_{\lim} = 80 / \sqrt{n} \quad CV_{\lim} = 100 / \sqrt{n}$$

$$CV=1.25U$$

$$n = \frac{\text{tex}}{\text{tex}} \quad (\text{unevenness index})$$

$$I = CV \quad / CV_{\text{lim}}$$

6.1.2

가 가 .

○ : 가

.

CV 4% 가 CV=13.6%
가 .

$CV^2 = CV^2 + CV^2$ 가

CV^2 가 = (?)=13%

6.1.3

, 10mm

.

. 10m

. , CV 8mm

14% 100m 2%가 . (degree of
irregularity) (reference length) .

(short length: uster tester), (medium length:),
(long length:) .

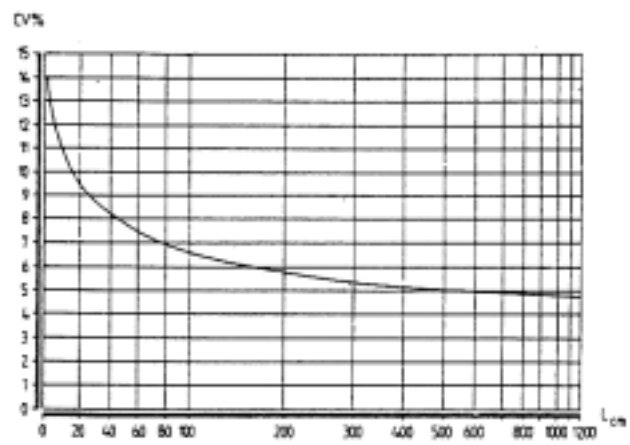
(length variation curve) . < 37>

가 .

. ()

(stripiness) (bar)

.



< 37> , CV: , L: