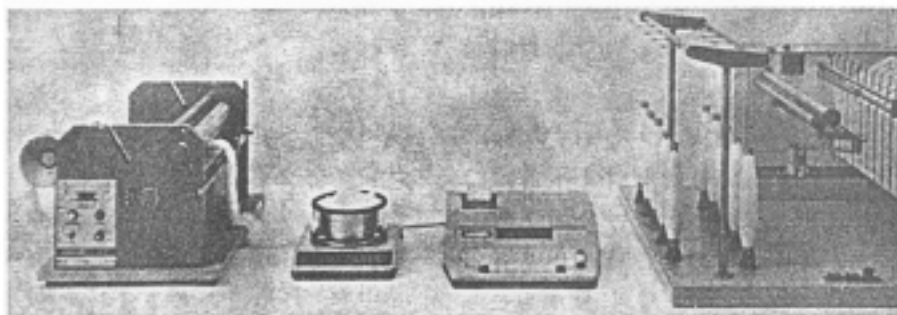


(II)

3.

,  
( ) .  
가 가 가  
가 가  
.  
Zweigle < 7>.  
.  
(reel) 가  
가  
가 가  
가  
Zellweger Autosorter < 8> .

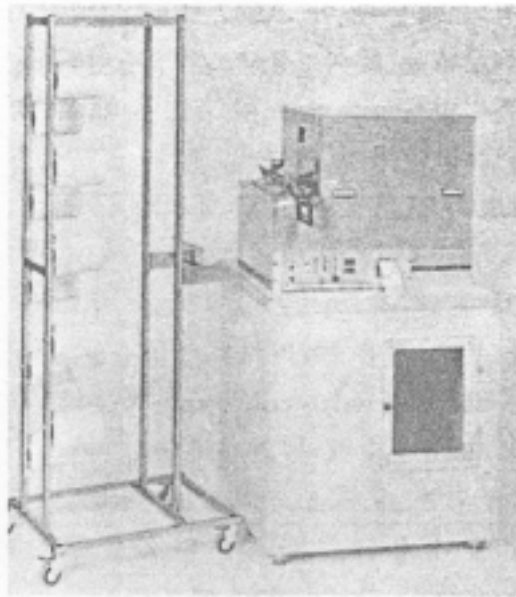


< 7>



< 8>

Zweigle Yarn Count Automatic Tester< 9>



< 9>

20

가 .

3가 .

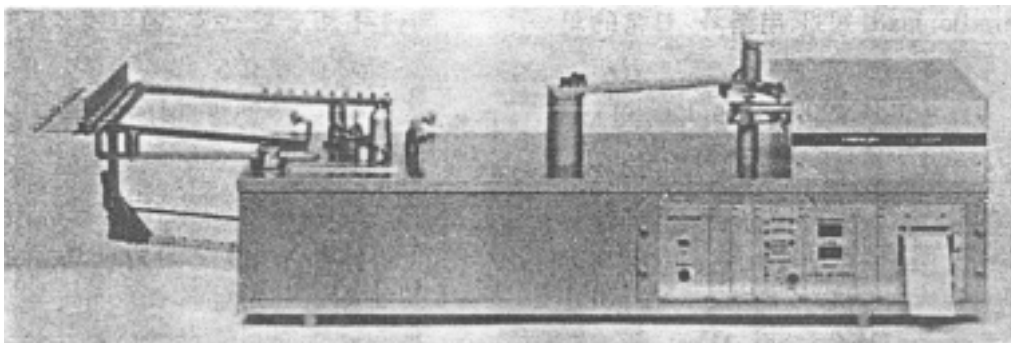
( )

가

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가

Zweigle Automatic Twister D 301< 10>



< 10>

999

10

가

OE

Double Scanner Method

4가 가

가 .

가 .

40

가

가 .

가 .

(CRT=Constant Rate of Traverse)

(CRE=Constant Rate of Extension)

가 . (CRL =

Constant Rate of Load)

가

가

가 .

(denier related highest tensile load) 가

. R. Km(breakingkm)

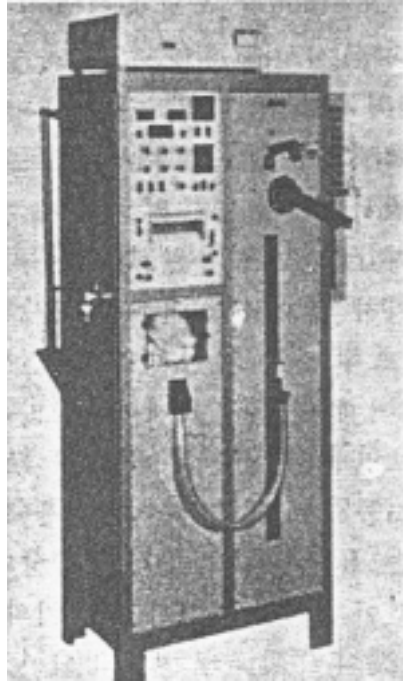
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Calderara – Bossi Tensile Strength Tester DSG< 11>

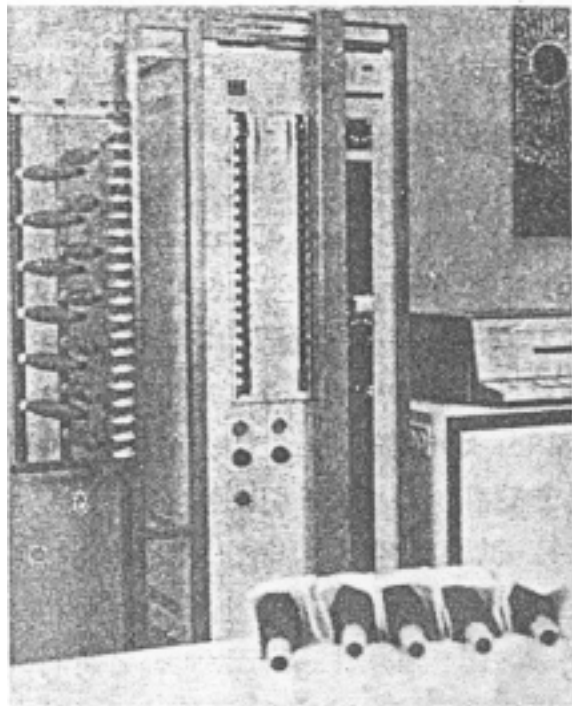
Textechno Stein Statimat M< 12>

Zellweger Uster Tensorapid< 13>

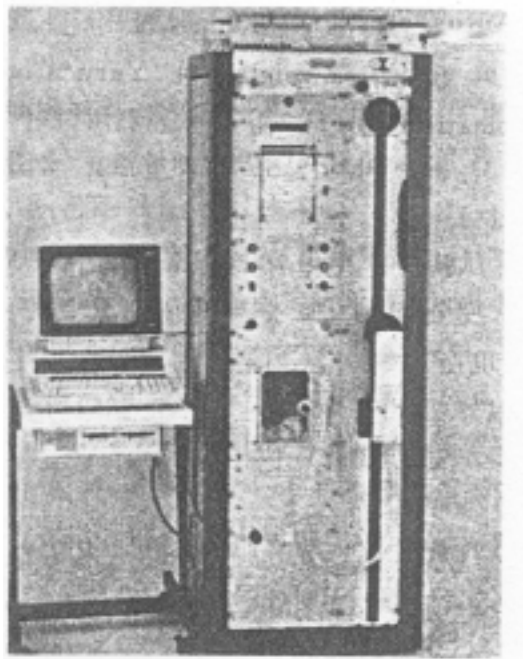
Zwick Zwick Tensiometer< 14>



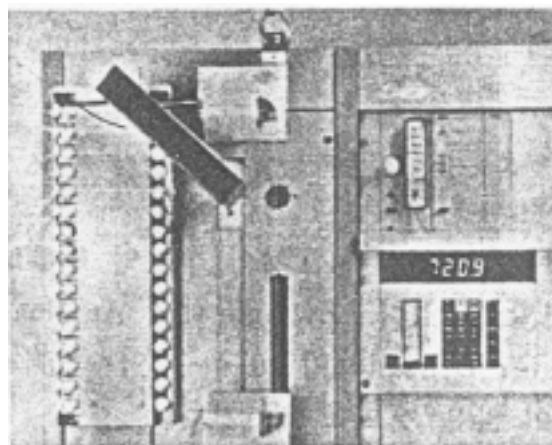
< 11>



< 12>



< 13>



< 14>

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가 .

5,000mm/min .

가

가 .

가

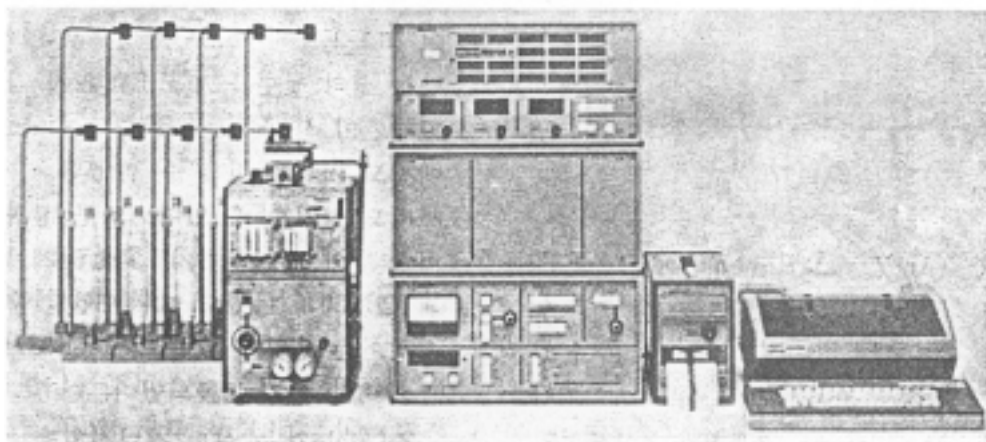
가

가

Zellweger GGP가 가

Uster Tester Uster

Uster Tester < 15>가 .



< 15>

가

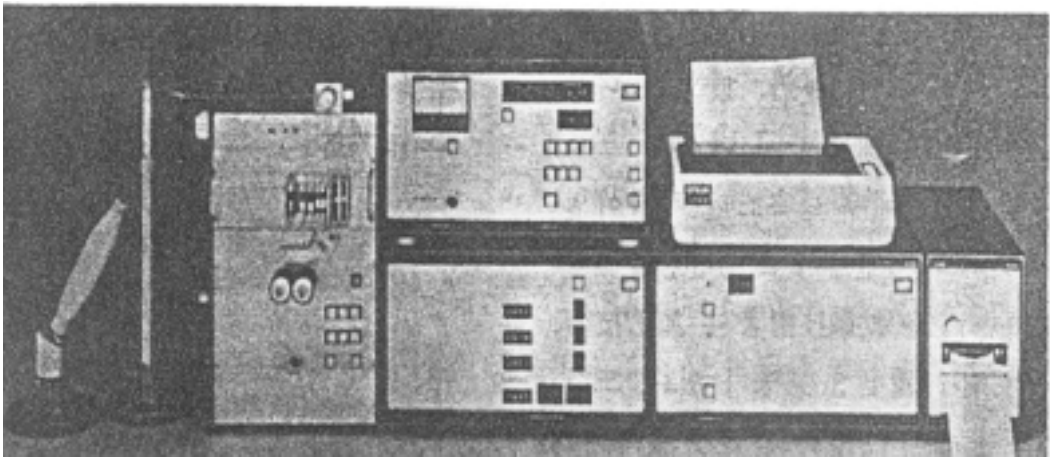
Uster Statistics

Uster Tester

Keisokki

KET 80B<

16> .



< 16>

, , ,

Superba

Yarn Test-Robot Model RFT<

17>

36



< 17>

4.

가 .

가 . 가

가

가 (snarl)

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가 가 .

가 .

가 Zweigle Staff-tester G 555< 18>

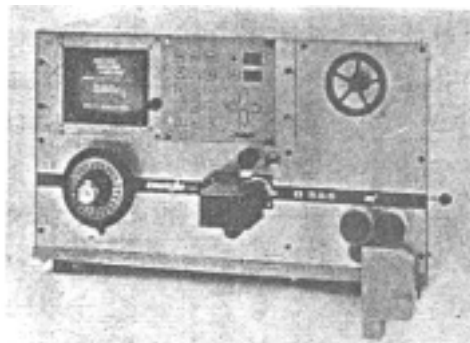
.

가

가

가

Denkendorf



< 18>

Zweigle

Hairiness Measuring Instrument G

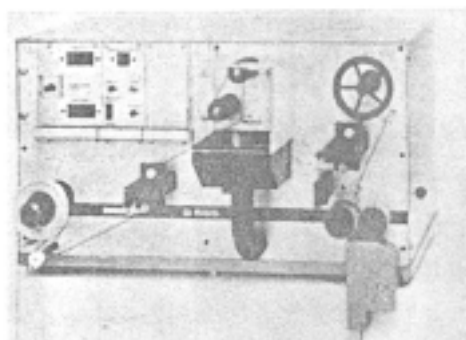
565< 19>

1mm 25mm

12

. Staff-Tester

가



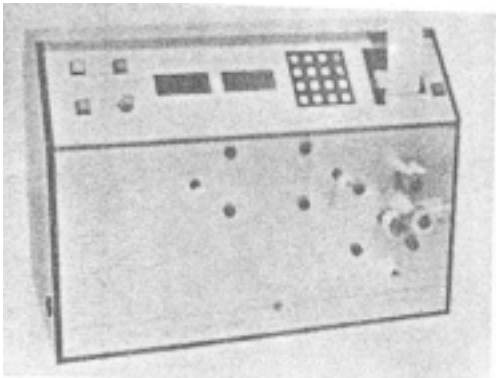
< 19>

Shirley Yarn

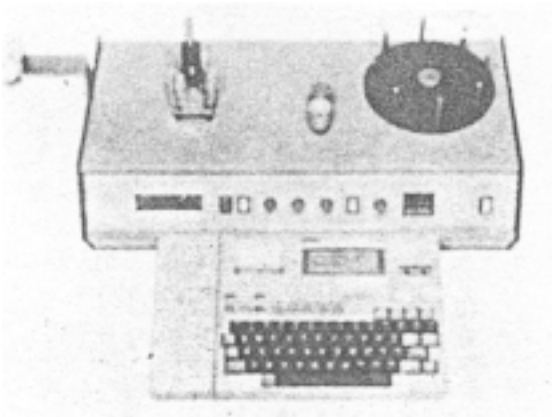
Friction Tester< 20> 10mm

Shirley

Yarn Hairiness Tester/Meter가 가

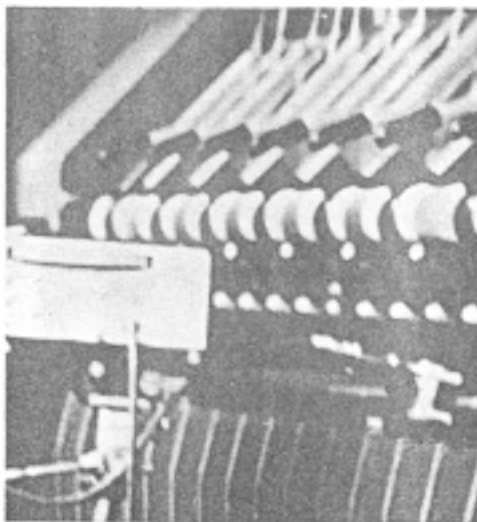


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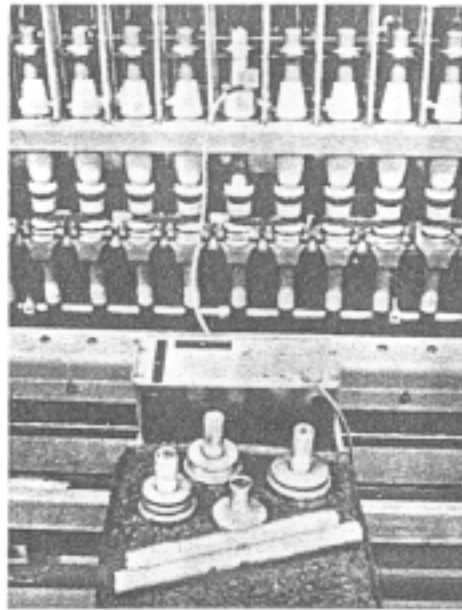


< 21>

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 , 가 , 가  
 .  
 가  
 가  
 . 가 RES  
 < 22> Rothschild .  
 가 .  
 가 가  
 . RES “Spindle  
 Centering” SC-4000 < 23>



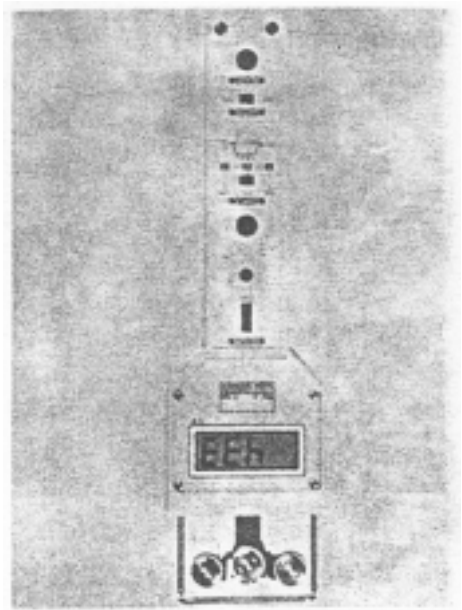
< 22>



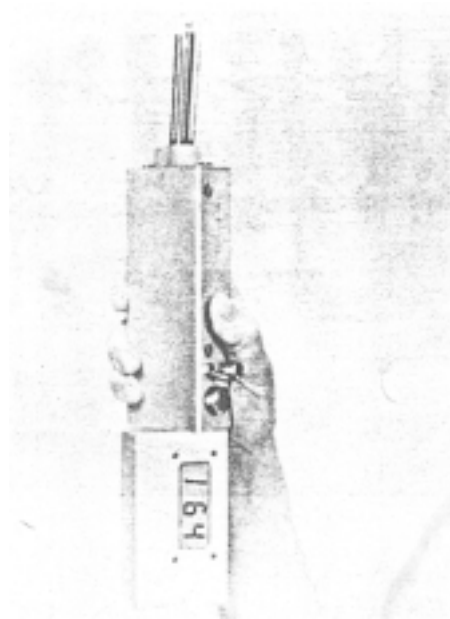
< 23>

Schmidt < 24> Zivy

< 25> 가 .



< 24>



< 25>

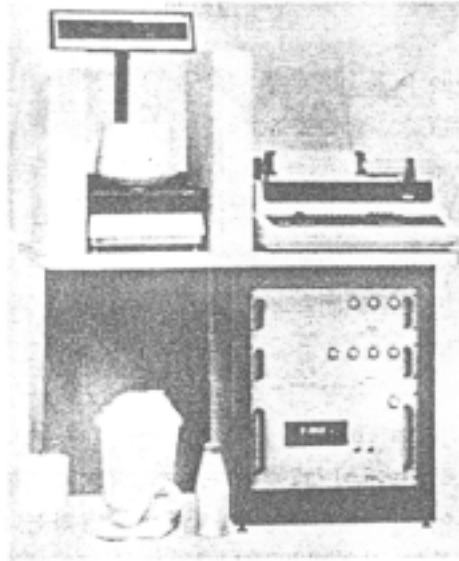
가 .

Stranberg Moisture Monitor< 27>

가 .



< 26>



< 27>

Forté Moisture Measuring Instrument Model 17585< 27>

가

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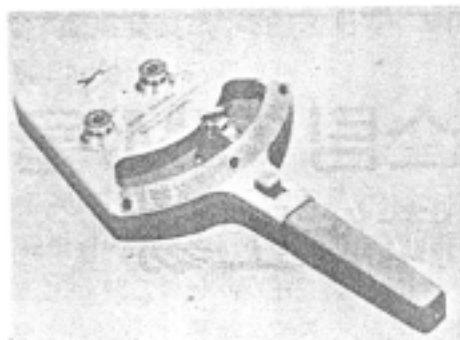
가

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. Lawson-Hemphil

Yarn Friction Meter< 28>

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< 28>

OE

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. Barco , Indicator

, Peyer

Zellweger

. OE

Stüber

OE Tester

80<

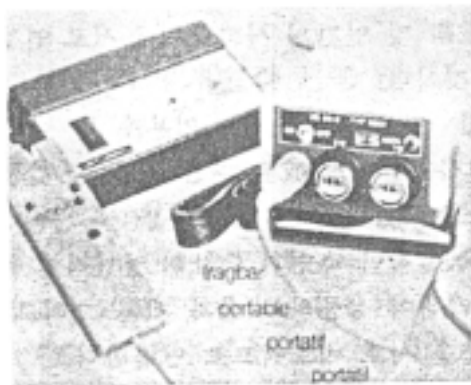
29>

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가

(thin places)

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< 29>

Spinlab

Rotoring 580<

30>

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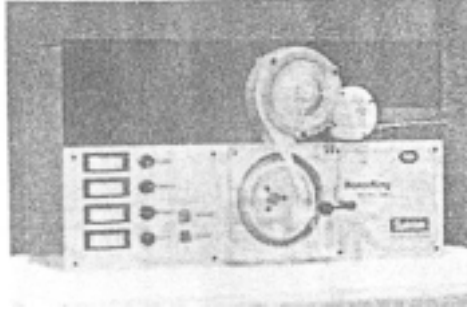
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