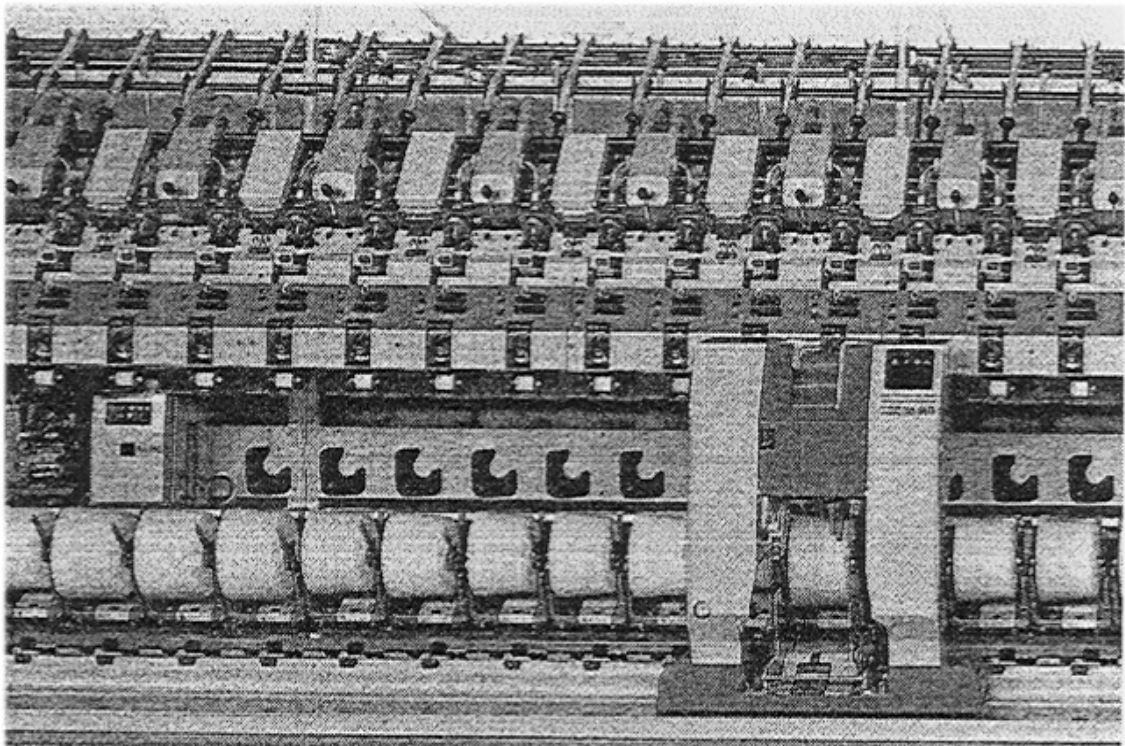


(4)

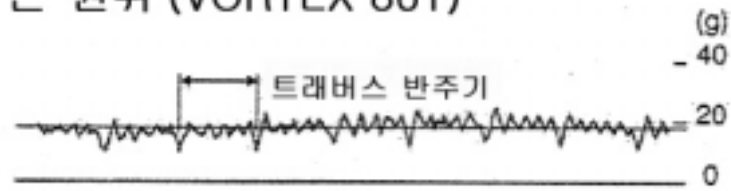
1) MURATA ()

(MVS) 861 ,
 450m/min < 18>. (tension
 ruler :)< 19>, 가 가
 , , MSC(
) .

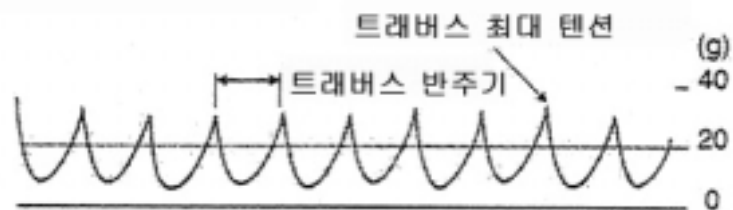


< 18> Vortex 861(Murata社)

Tension Ruler에 의한 제어 콘 권취 (VORTEX 861)



Tension Ruler가 없는 치즈 권취 (종래기)



사종 및 변수	: C100% Ne25
방적 속도	: 350m/min
테이크 업비	: 0.99
권취 각도	: 12°

< 19> MVS 861

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<MVS 861

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· : 100%, 100% (2)

· : Ne 30

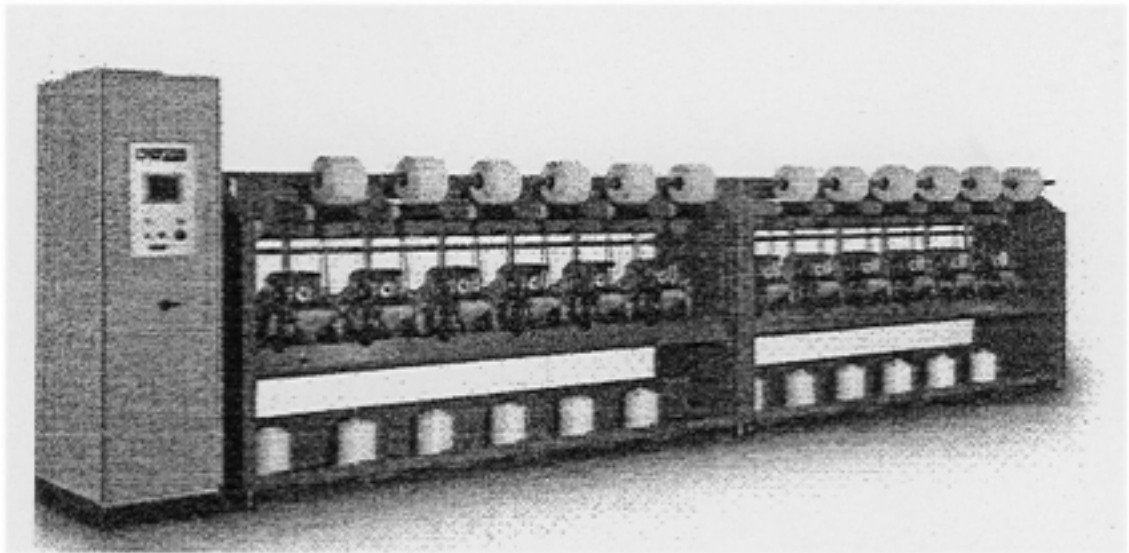
· : 450m/min

· : 140

2) Fehrer ()

, DREF 2000/3000

< 20>.



< 20> DREF 2000(Fehrer社)

, 가

·

< DREF 2000 >

· : Ne 0.3 ~ 14.5

· : 250m/min ()

· : , ,

・ : 10 ~ 120mm

・ : 400mm (200mm)

・ : , , , ()