



CRC

for

Premium

Quality

Wool

Later Stage Processing

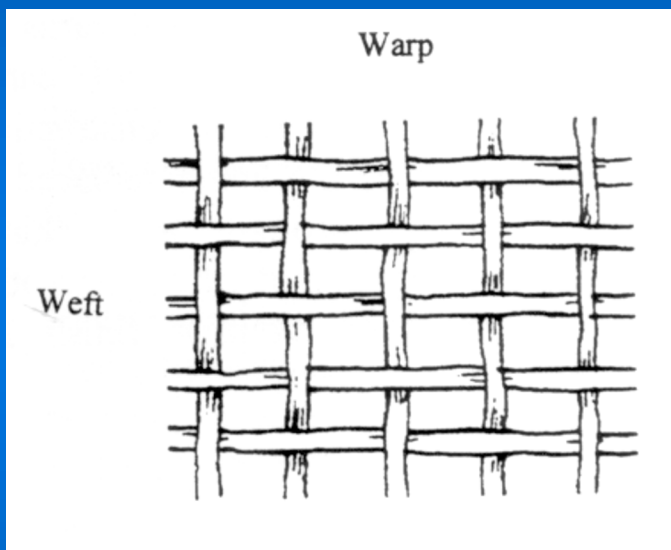
Produced for the CRC for Premium Quality Wool undergraduate program by;
Dr. Peter Auer, The University of New South Wales.



Weaving & Knitting

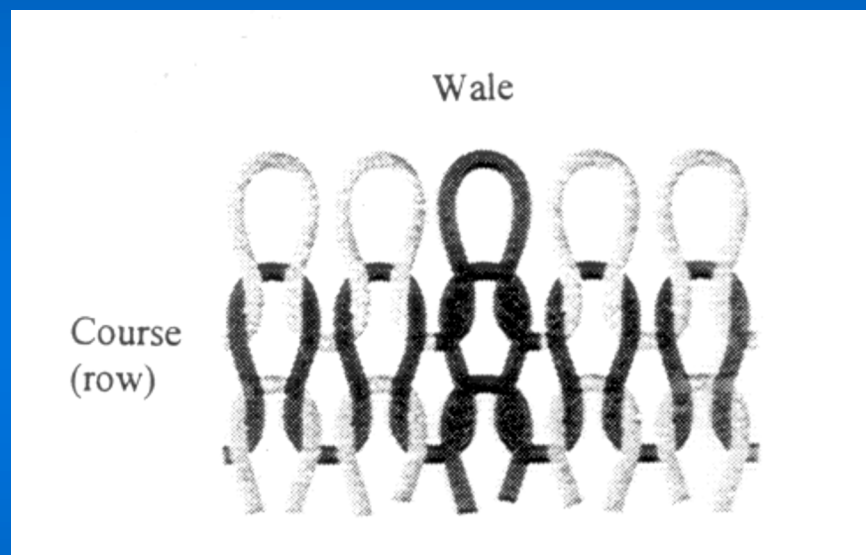
- Weaving

- interlaced sets of yarns



- Knitting

- weft knitting
 - looped yarn



- warp knitting
 - interlocked warp yarns

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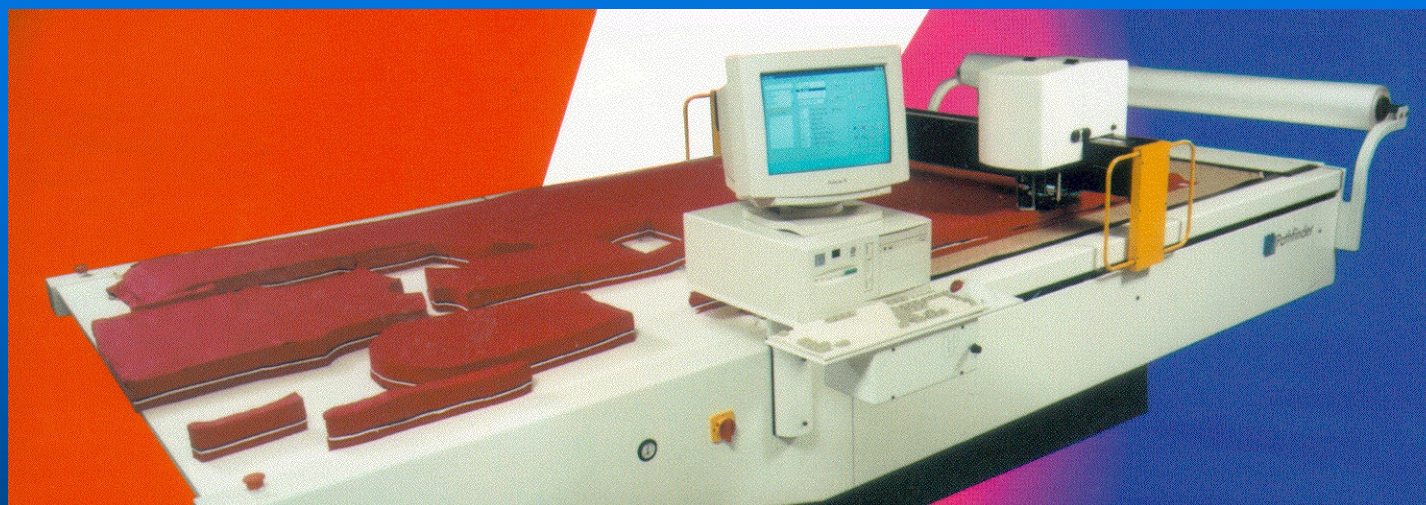
Quality

Wool



Garment Make-up

- convert fabric to garments
- processes
 - pattern-making
 - laying out
 - cutting
 - sewing



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Dyeing

- **aims**
 - even (difficult)
 - batching
 - permanent
 - low fibre damage
- **conditions**
 - prolonged heat
 - acid dyes (wool)
- **fibre damage**
 - strength loss
 - fabric performance
- **blends**
 - polyester
 - different dyes
 - severe conditions
 - nylon
 - similar dyes
 - similar conditions
 - wool packs
- **low temp dyeing**
 - minimise strength loss
 - Sirolan LTD



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Finishing

- **aims**
 - dimensional stability
 - aesthetics
 - handle
 - drape
 - cover
 - surface
- **conditions**
 - heat
 - water
 - (chemicals)
- **processes**
 - crabbing
 - decatizing
 - pressing
 - milling
 - raising
 - shearing