



CRC

for

Premium

Quality

Wool

Textile Processes & Products

Produced for the CRC for Premium Quality Wool undergraduate program by;
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Textile Products

- **Primary**
 - raw fibre
 - continuous filaments
- **Secondary**
 - staple fibre
 - scoured wool
 - carbonised wool
 - sliver
 - slubbing
 - top
 - singles yarn
- **Final**
 - raw wool
 - continuous filament
 - scoured wool
 - top
 - singles yarn
 - plied yarn
 - fabric
 - woven
 - knitted
 - felted (non-woven)
 - garments

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Textile Processes

- **Early Stage (ESP)**

- scouring
- carding
- gilling
- combing
- finisher gilling

- **Intermediate Stage (ISP)**

- drawing
- spinning
- doubling

- **Later Stage (LSP)**

- weaving
- knitting
- milling
- tufting (carpets)
- dyeing?
- finishing
- garment make-up

- **Synthetics**

- tow cutting
- stretch breaking

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Machines & Products: Exercise

	INPUT	OUTPUT
Scour		
Card		
Gillbox		
Comb		
Finisher gillbox		
Re-gilling Re-combing		
Drawing Frame		
Spinning Frame		
Doubling Frame		
Loom		
Knitting Machine		
Milling Machine		

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Processes & Products: Exercise

	INPUT	OUTPUT
Tow Cutting		
Stretch Breaking		
Dyeing		
Finishing		
Garment Make-up		

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Machines & Products

	INPUT	OUTPUT
Scour	raw wool	scoured wool treated wool
Card	scoured wool carbonised wool other fibres	wool sliver slubbing
Gillbox	sliver	sliver
Comb	sliver	combed sliver
Finisher gillbox	combed sliver	top
Re-gilling	wool top	top
Re-combing	other fibre top	
Drawing Frame	top	roving
Spinning Frame	roving slubbing combed sliver (not wool)	singles yarn
Doubling Frame	singles yarn	folded yarn plied yarn
Loom	plied yarn singles yarn	woven fabric
Knitting Machine	plied yarn	knitted fabric
Milling Machine	raw wool animal fibre yarn	felted products

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Processes & Products

	INPUT	OUTPUT
Tow Cutting	continuous filament	staple fibre
Stretch Breaking	continuous filament	staple fibre
Dyeing	fibre top plied yarn fabric garment	dyed products
Finishing	yarn fabric	finished products
Garment Make-up	finished fabric sewing yarn	garments

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