

CRC

123

for

Premium

Quality

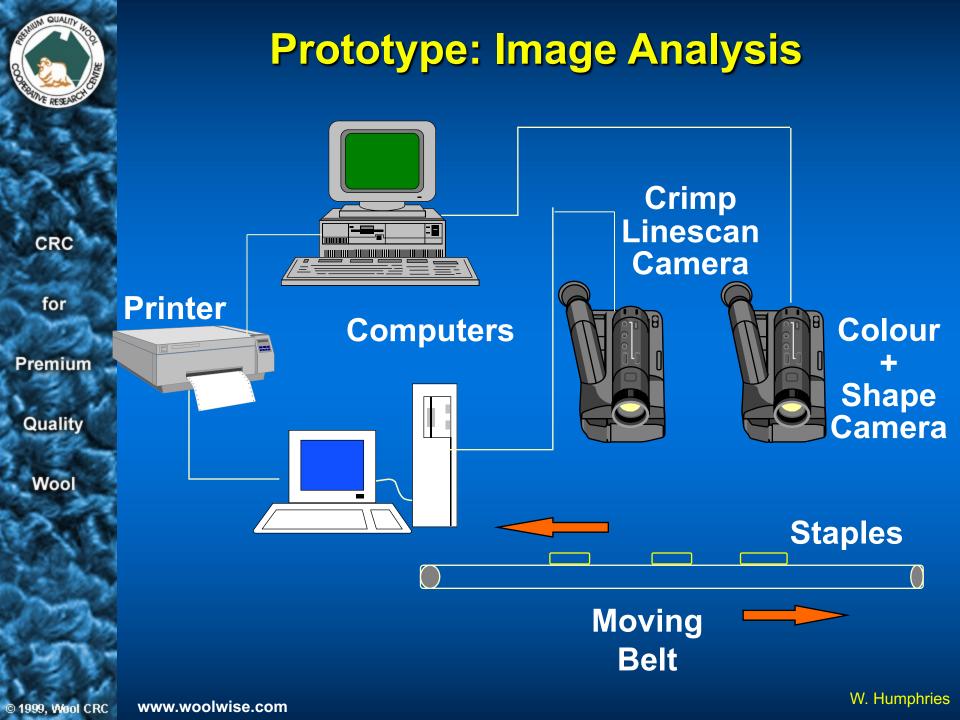
Wool

Style Instrumentation

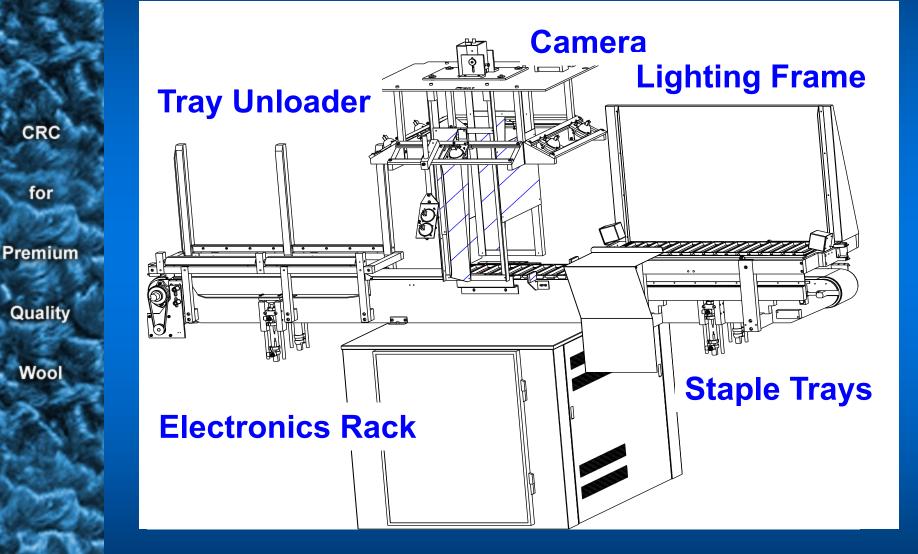
Produced for the CRC for Premium Quality Wool undergraduate program by; Dr. W. Humphries, CSIRO Textile & Fibre Technology.

www.woolwise.com

© 1999, Wool CRC







RESE

© 1999, Wool CRC

W. Humphries



Image Analysis Measurements

Size and Shape



for

Colour Profile

Premium

Quality

Wool

Crimp Patterns

© 1999, Wool CRC

www.woolwise.com

W. Humphries



CRC

for

Premium

Quality

Wool

Inferred Staple Attributes

Tip

SIZE -SHAPE

COLOUR PROFILE Weathered Tip
Dust (Colour & Penetration)
Greasy Colour
Stain Bands

Crimp Frequency Crimp Definition Cottedness

Width, Length

© 1999, Wool CRC

www.woolwise.com

CRIMP

W. Humphries



Style Metrology Results

	be	etween <i>Instrument</i> Variance		between Replicate Variance	
070		R ²	std	R ²	std
CRC	Length	0.99	0.8	0.84	2.84
Premium	Tip Length	0.91	0.3	0.36	0.86
Quality	Crimp Frequency	0.91	0.12	0.70	0.21
Wool	Crimp "Definition"	0.92	6.38	0.62	4.24
100	Brightness	0.97	0.41	0.67	1.16
2	Yellowness	0.96	0.16		