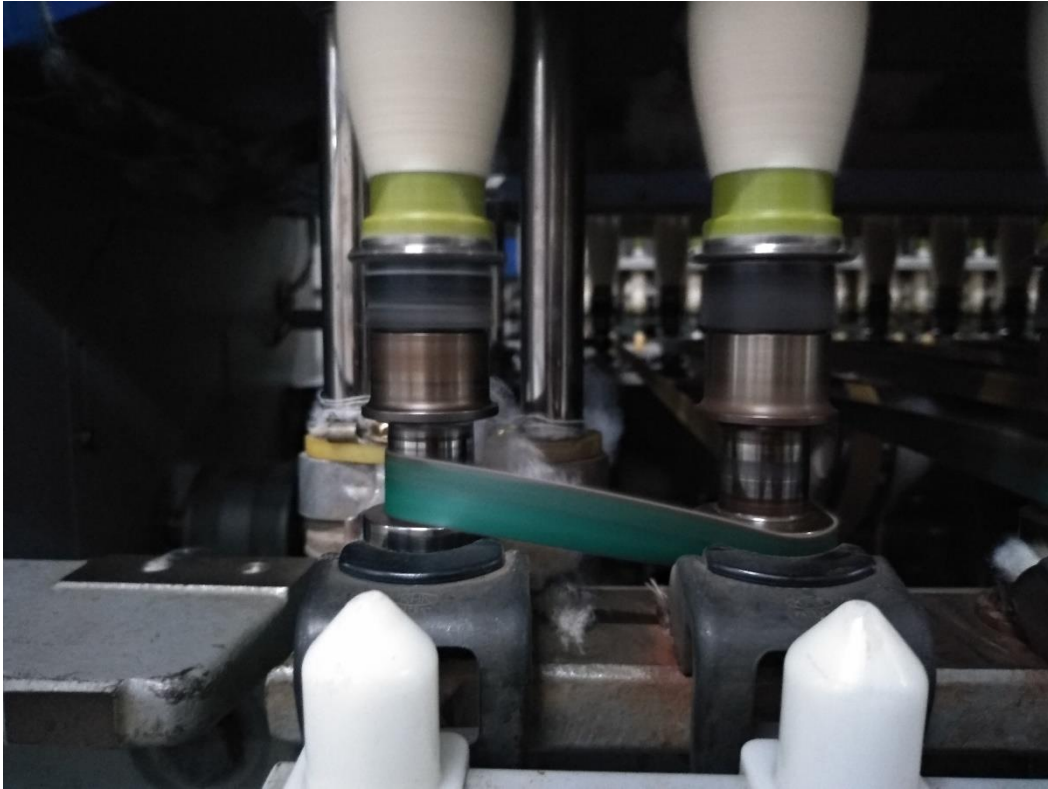


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## LAMPIRAN



*Lampiran 1. Gambar spindle tape slip dan tidak slip*



*Lampiran 2 Gambar jockey pully*



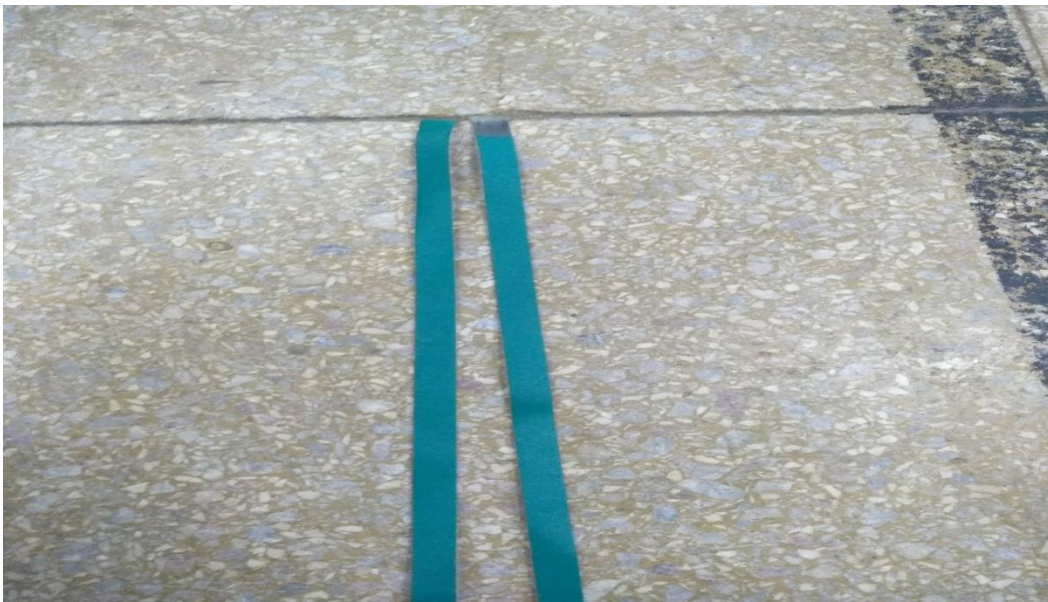
*Lampiran 3 Gambar spindle hook*



*Lampiran 4 Gambar traveler aus*



*Lampiran 5 Gambar gulungan jelek dan benang gembos*



*Lampiran 6 Gambar spindle tape*

Customer Code	SPINNING 2	Test Code	CD 40	Date	8/8/2019 Time 7:56:39 PM
Sample Description	D4	Lot	06/19/2/CD40	Sample Number	20
Parcel	CD 40			Count	40 [No]
Material	AWANDA				
Examiner					
Sample Length	500 [mm]	Load cell ID/FS [kg]		1 / 2	X 1
Clamp Speed	500 [mm/min]	Pretension		0 [g]	
Test Machine					
Observations					
<i>Statistical Results of the Test</i>					
	Force [g]	Elongation [%]	Tenacity [cN/tex]	Average Time of Breakage	2.7 [s]
Maximum	167.900 (10)	4.920 (15)	11.153 (10)		
Minimum	109.300 (14)	4.020 (17)	7.260 (14)		
Average	140.890	4.473	9.345		
Range	41.652 [%]	20.121 [%]	41.652 [%]		
CV	12.081 [%]	6.477 [%]	12.081 [%]		
Deviation	16.996	0.290	1.129		
IC95%	7.449	0.127	0.495		
IC99%	9.790	0.167	0.650		
<i>Results of Single Samples</i>					
Sample #	Max Force [g]	Max Elongation [%]	Time [s]	Tenacity [cN/tex]	
1	154.8	4.86	2.9	10.282	
2	142.6	4.56	2.7	9.472	
3	150.5	4.20	2.5	9.997	
4	154.0	4.68	2.8	10.229	
5	158.8	4.80	2.9	10.548	
6	151.7	4.38	2.6	10.076	
7	157.2	4.62	2.8	10.442	
8	162.7	4.56	2.7	10.807	
9	146.4	4.50	2.7	9.724	
10	167.9	4.68	2.8	11.153	
11	136.4	4.80	2.9	9.060	
12	129.6	4.50	2.7	8.609	
13	116.3	4.08	2.4	7.725	
14	109.3	4.26	2.6	7.260	
15	142.5	4.92	3.0	9.465	
16	119.9	4.14	2.5	7.964	
17	129.6	4.02	2.4	8.609	
18	125.4	4.08	2.4	8.330	
19	117.9	4.14	2.5	7.831	
20	140.3	4.68	2.8	9.319	

Lampiran 7 Hasil uji