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LAMPIRAN

JobID: 1741_2404x02003648 Operator: SDF Page: 1
TEXTECHNO - Europe - Germany
 Software v1.4.0.6

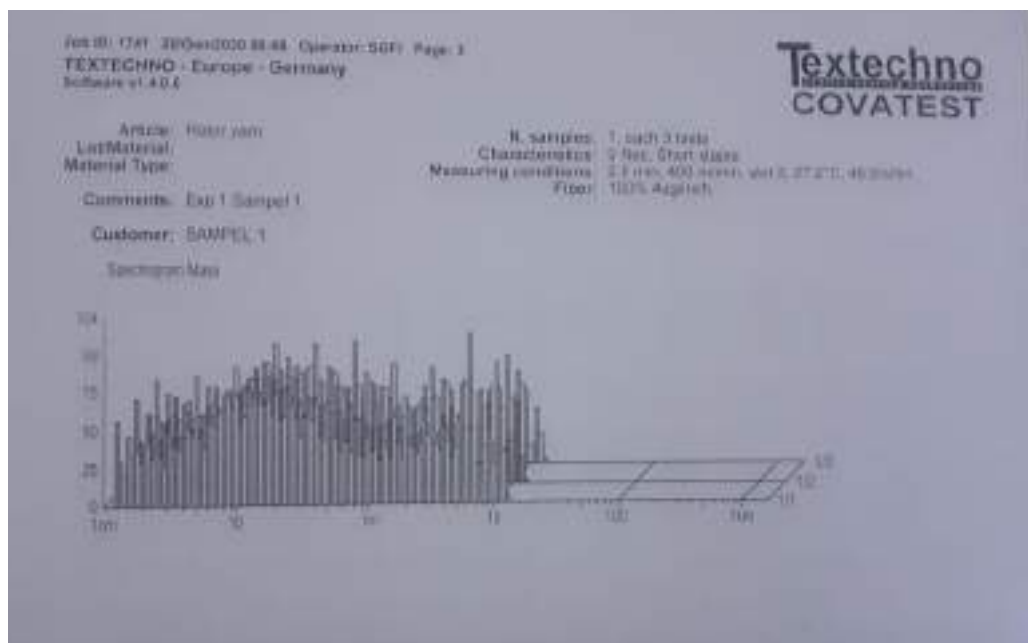
Textechno
COVATEST
COVATEST

Article: Rotor yarn
 Lot/Material: Material Type
 Comments: Exp 1 Sampel 1
 Customer: SAMPEL 1

N. samples: 1, each 3 tests
 Characteristics: 9 Res, 3 Res, 3 Res
 Measuring conditions: 2.5 mm, 400 mm/min, sel 2, 27.2°C, 46.55RH
 Fiber: 100% 4g/100m

Test N	Machine	Str%	CWt%	CVn%	CVw%	Cont	Thickn	Thickn	Regain	n
S/T	rate			1m	3m	Str %	5%	+5%	100%	
1 / 1	---	10.15	12.05	2.18	2.40	-1.70	7.0	49.0	120.0	2.20
1 / 2	---	10.17	12.04	2.02	2.28	-0.47	3.0	49.0	113.0	2.23
1 / 3	---	10.24	12.04	2.07	2.14	-0.63	4.0	47.0	100.0	2.24
AVG		10.19	12.00	2.08	2.27	-0.90	6.0	45.0	104.0	2.24
Min		10.15	12.04	2.02	2.14	-1.70	3.0	49.0	113.0	2.20
Max		10.24	12.04	2.10	2.40	-0.63	7.0	49.0	132.0	2.28
R		0.09	0.10	0.14	0.25	1.73	4.0	8.0	14.0	0.18
CVb%		0.47	0.43	2.21	5.74	0.95	40.0	10.0	0.0	1.83
s		0.05	0.05	0.07	0.13	0.98	2.0	8.0	10.0	0.04
SD%		0.12	0.14	0.18	0.52	2.37	5.0	12.0	24.0	0.10

Lampiran 1 Hasil Uji Benang Eksperimen 1



Lampiran 2 Spectrogram Uji Benang Eksperimen 1

Job ID: 1743 20/Gen/2020 07:35 Operator: SOPH Page: 1
TEXTECHNO - Europe - Germany
 Software v1.4.0.0

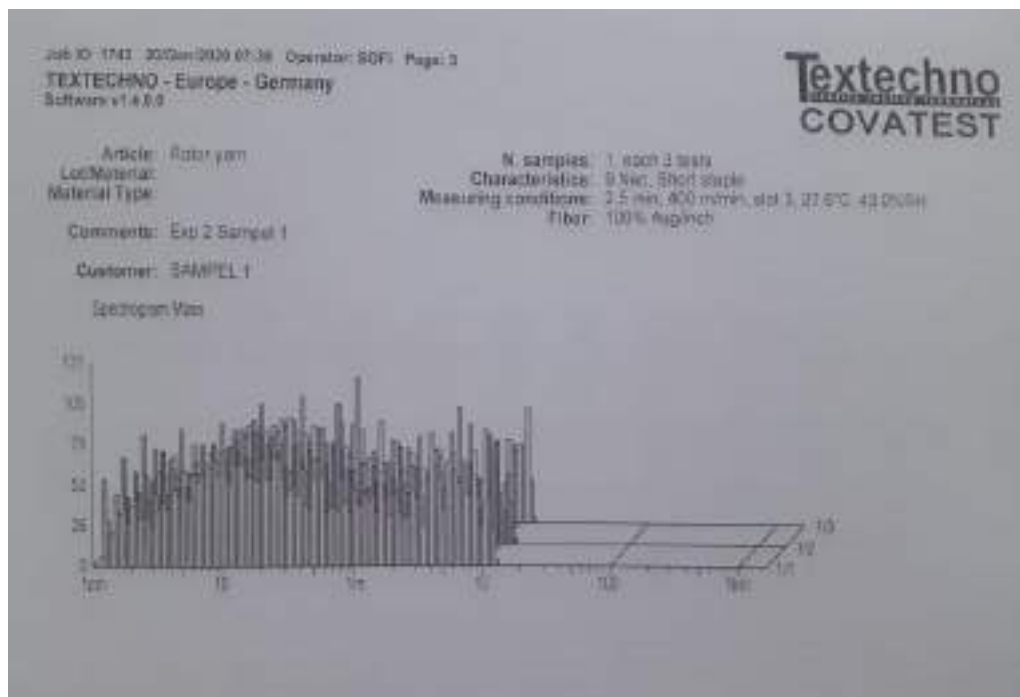
Textechno
Textile Research & Development
COVATEST

Article: Rota yarn
 Lot/Material:
 Material Type:
 N. samples: 1, each 3 tests
 Characteristics: 8 Rec, Short staple
 Measuring conditions: 2.5 min, 400 rpm, dot 3, 27.6°C, 43.2%RH
 Fiber: 100% Angich

Comments: Exp 2 Sampel 1
 Customer: SAMPEL 1

Test N S/T	Machine name	Urel	CVrel	SVrel In	CVrel 3σ	Count rel. %	Thickn -3σ	Thickn +3σ	Necklen +33%	n
1 / 1	---	9.94	12.51	3.40	2.39	-1.07	1.9	21.0	85.0	2.30
1 / 2	---	9.94	12.42	3.25	2.38	0.32	0.0	20.0	103.0	2.33
1 / 3	---	9.92	12.51	3.41	2.64	0.75	8.0	15.0	90.0	2.37
AVG		9.90	12.48	3.35	2.54	0.00	3.0	19.0	93.0	2.33
MIN		9.94	12.42	3.25	2.38	-1.07	0.0	10.0	86.0	2.30
MAX		9.94	12.51	3.41	2.64	0.75	8.0	21.0	103.0	2.37
R		0.10	0.09	0.16	0.26	1.62	8.0	5.0	18.0	0.07
CVrel		0.63	0.42	2.68	5.43	0.68	140.0	14.0	10.0	1.52
s		0.05	0.05	0.09	0.14	0.65	4.0	3.0	0.0	0.04
CVrel		0.13	0.13	0.22	0.34	2.96	11.0	7.0	23.0	0.08

Lampiran 3 Hasil Uji Benang Eksperimen 2



Lampiran 4 Spectrogram Uji Benang Eksperimen 2

Job ID: 1744 20Gen2020 07:48 Operator: SOFI Page: 1
TEXTECHNO - Europa - Germany
 Software v1.4.0.0

Textechno
COVATEST

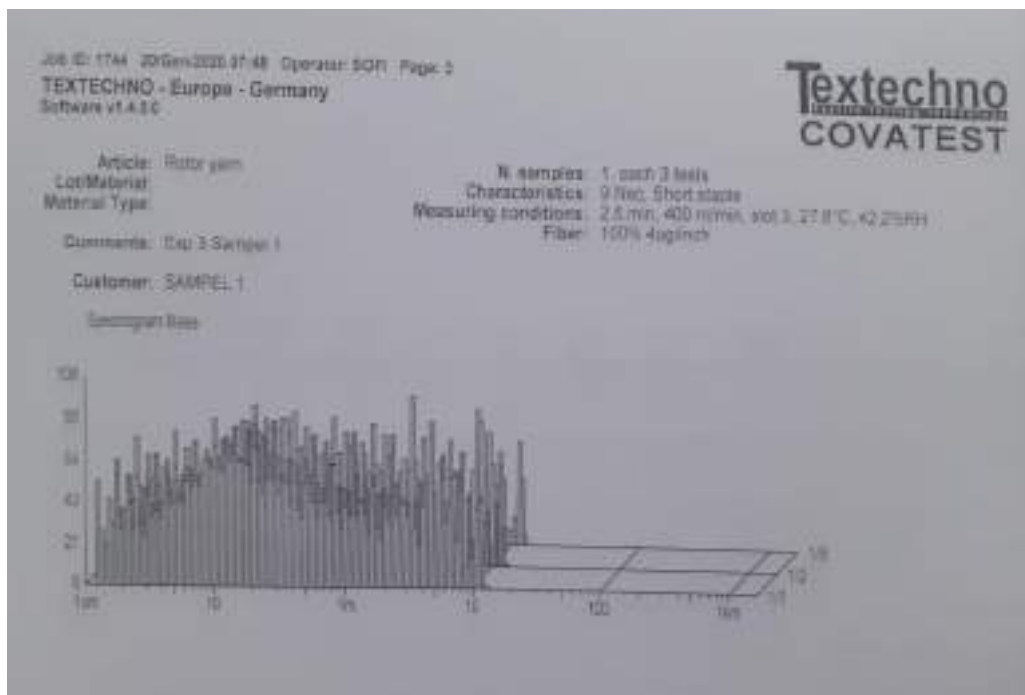
Article: Rotor yarn
 Lot/Material:
 Material Type:

N. samples: 1 each 3 trials
 Characteristics: 8 rec. Short staple
 Measuring conditions: 2.5 min, 400 rpm, slot 3, 27.8°C, 42.2%RH
 Fiber: 100% Kugeln

Comments: Exp 3 Sampel 1
 Customer: SAMPEL 1

Test N	Mechan name	Ucr%	Cvcr%	Cvcr% 1m	Cvcr% 3m	Count Ref. %	Thickn -5%	Thickn +5%	Wapkn +20%	H
1	-	10.10	12.84	1.58	2.28	-0.70	3.0	42.8	116.3	2.31
1	2	10.24	12.90	1.10	2.28	0.29	4.0	38.0	130.0	2.33
1	3	10.20	12.90	3.23	2.40	0.41	4.0	38.0	141.0	2.35
AVG		10.20	12.88	3.14	2.37	0.00	4.0	39.9	121.8	2.33
MIN		10.10	12.84	1.08	2.28	-0.70	3.0	38.0	116.3	2.31
MAX		10.24	12.93	3.23	2.40	0.41	4.0	42.0	141.0	2.35
R		0.08	0.09	0.15	0.17	1.11	1.0	6.0	23.0	0.04
CV%		0.38	0.36	2.60	3.81	0.81	16.8	6.0	9.0	0.86
s		0.04	0.05	0.08	0.09	0.01	1.0	3.0	12.0	0.02
CV%		0.10	0.11	0.20	0.21	1.01	1.0	8.0	30.0	0.06

Lampiran 5 Hasil Uji Benang Eksperimen 3



Lampiran 6 Spectrogram Uji Benang Eksperimen 3

Job ID: 1747 - 20240320 09:29 - Operator: SOFI - Page: 1
TEXTECHNO - Europe - Germany
 Software v1.4.0.0

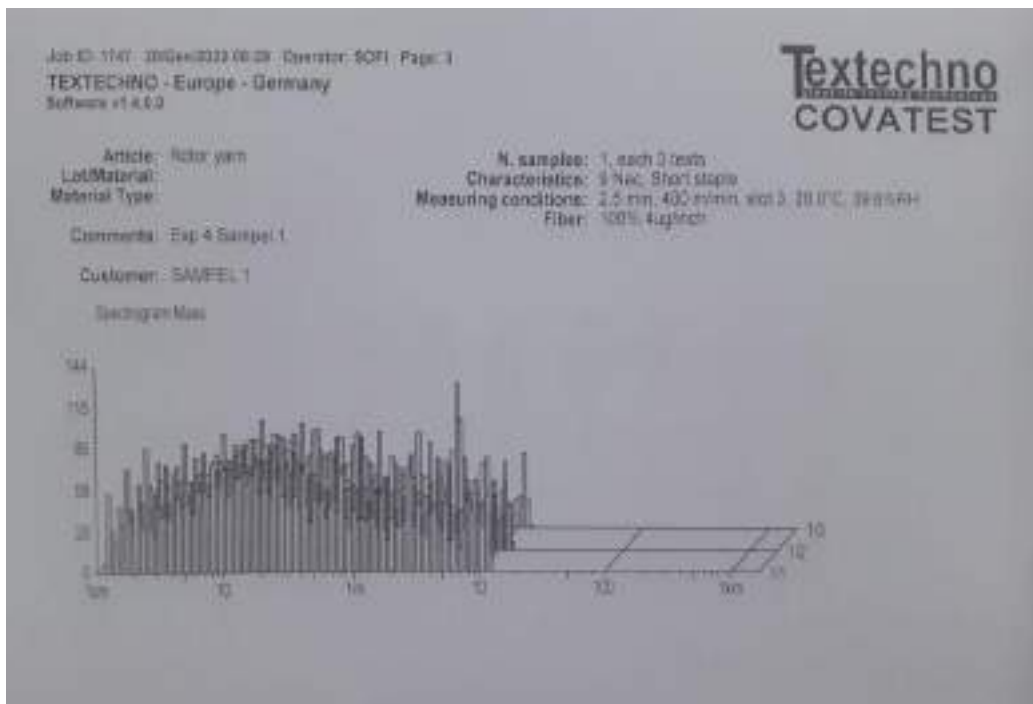
Textechno
PRODUCTION PERFORMANCE
COVATEST

Article: Rotor yarn
 Lot/Material:
 Material Type:
 Comments: Exp 4 Sampel 1
 Customer: SAMPEL 1

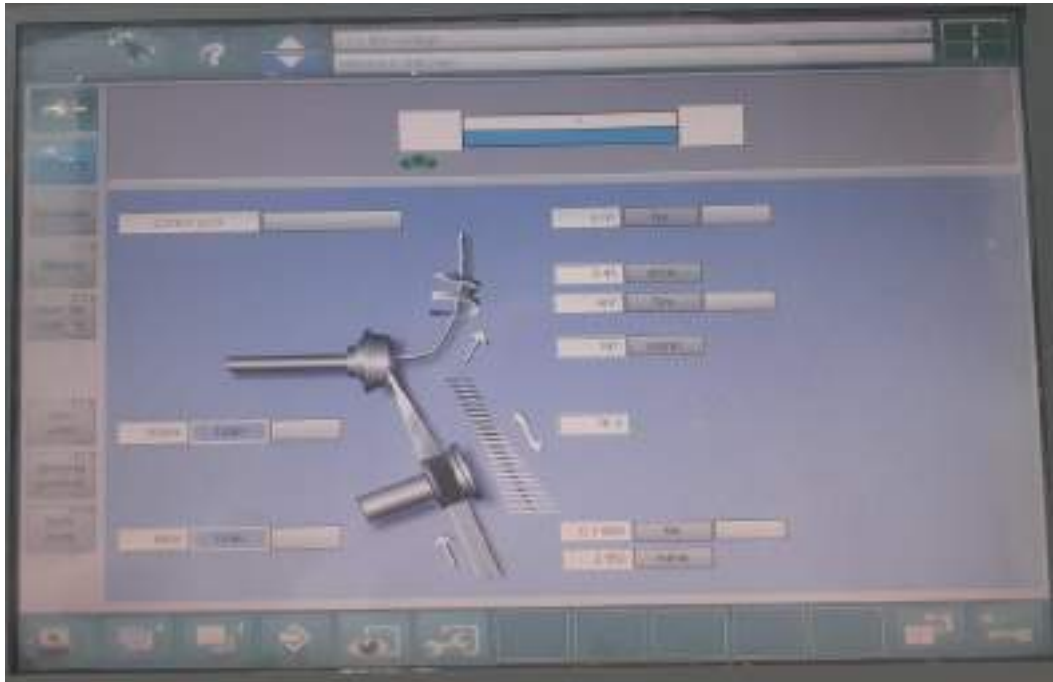
N. samples: 1, each 3 tests
 Characteristics: 3 Nec, Short staple
 Measuring conditions: 2.5 mm, 400 mm/min, slot 3, 20.0°C, 39 cm/s
 Fiber: 100% Kugletri

Test N. S./T	Moisture [%]	Uten	CVten [%]	CVWt [%]	CVlen [%]	Count Ref. %	Thickn. [%]	Thin/len +5%	Wip0m +20%	H
1 / 1	--	10.25	12.98	3.22	2.50	-1.06	1.0	54.0	195.0	2.17
1 / 2	--	10.18	12.90	3.17	2.30	0.40	3.0	47.0	203.0	2.20
1 / 3	--	10.27	13.01	3.18	2.30	0.56	1.0	48.0	206.0	2.22
AVG		10.24	12.96	3.18	2.37	0.60	2.0	50.0	201.0	2.20
Min		10.18	12.90	3.17	2.30	-1.06	1.0	47.0	195.0	2.17
Max		10.27	13.01	3.22	2.50	0.66	3.0	54.0	206.0	2.22
B		0.06	0.11	0.05	0.20	1.72	2.0	7.0	11.0	0.06
CVB%		0.41	0.44	0.83	4.85	0.53	65.0	0.0	3.0	1.18
S		0.04	0.06	0.03	0.11	0.33	1.0	4.0	6.0	0.03
CVS%		0.10	0.14	0.07	0.27	2.30	3.0	9.0	14.0	0.06

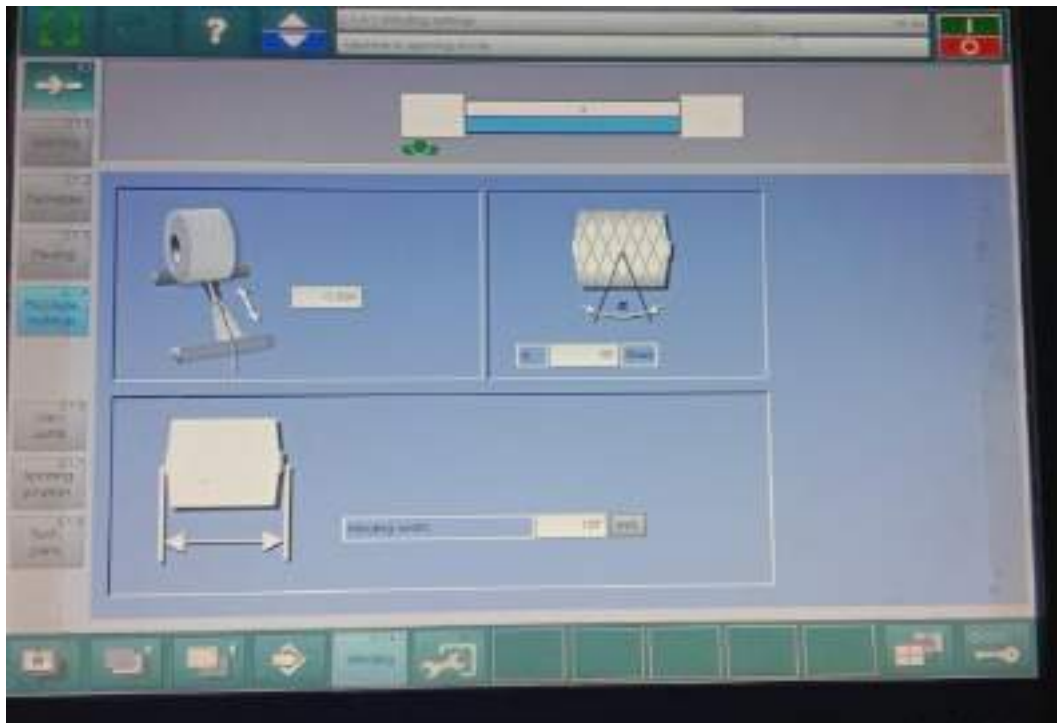
Lampiran 7 Hasil Uji Benang Eksperimen 4



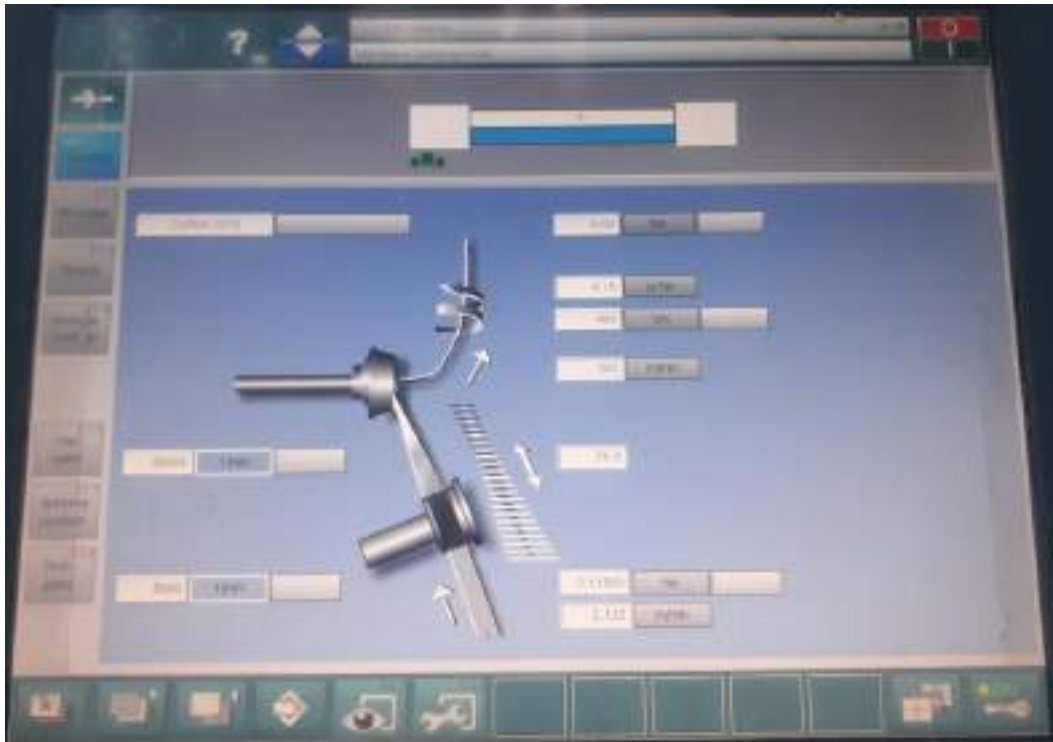
Lampiran 8 Spectrogram Uji Benang Eksperimen 4



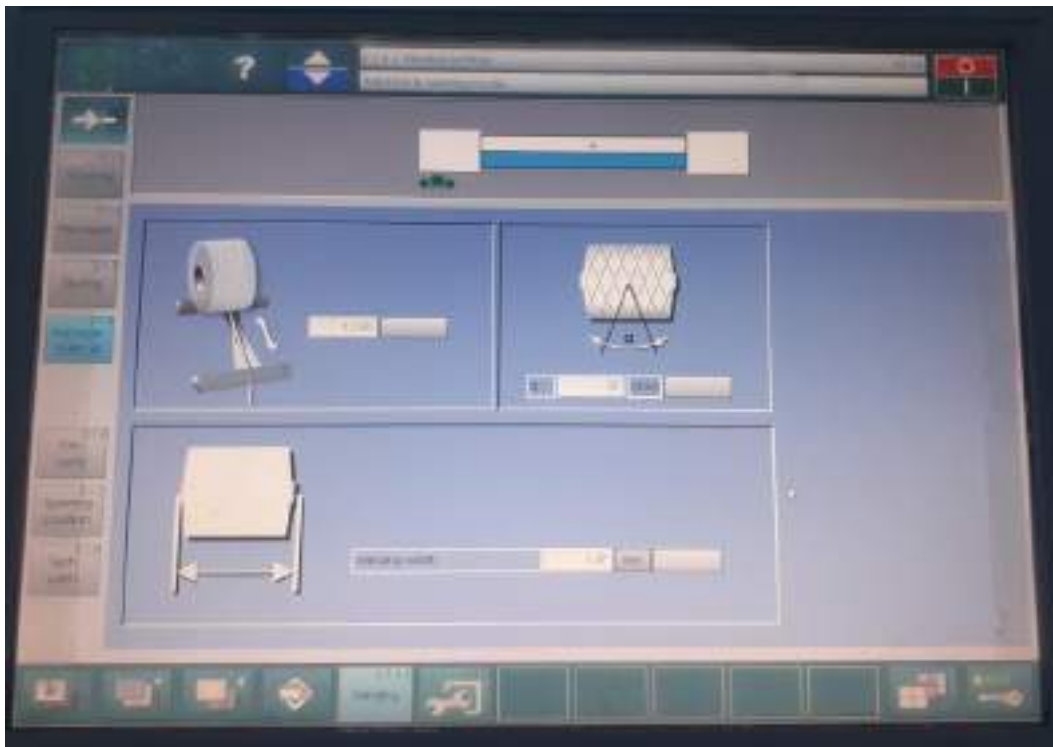
Lampiran 9 *Setting Rpm* dan TPM Eksperimen 1



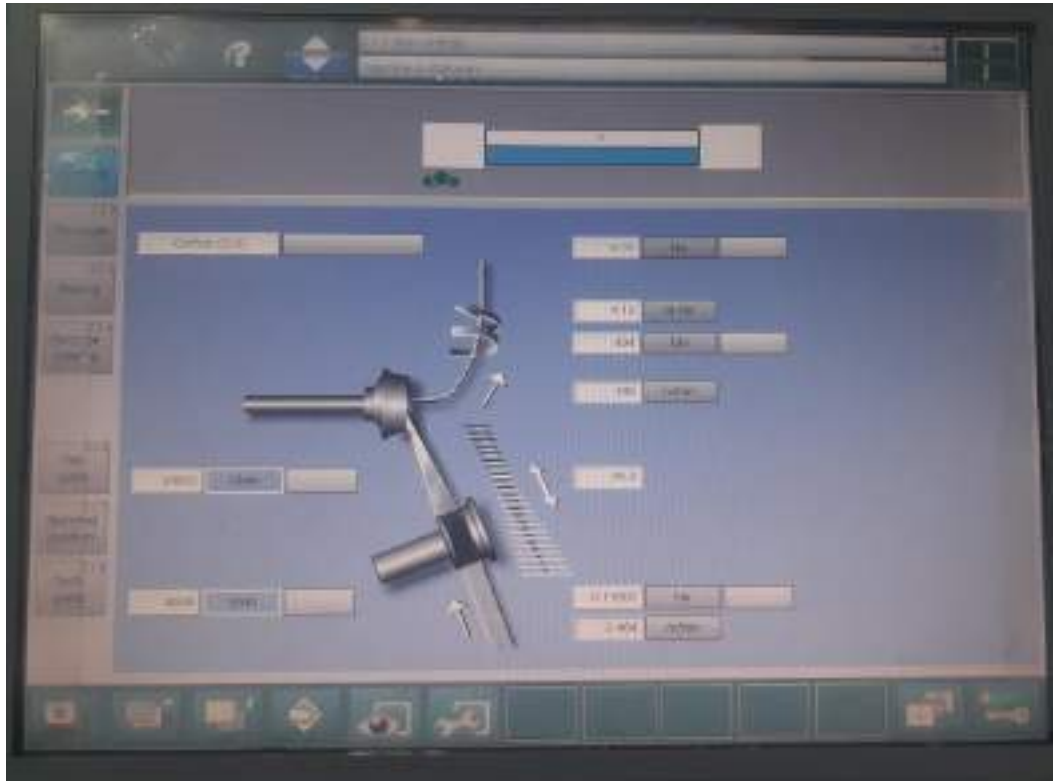
Lampiran 10 *Setting Draft* Eksperimen 1



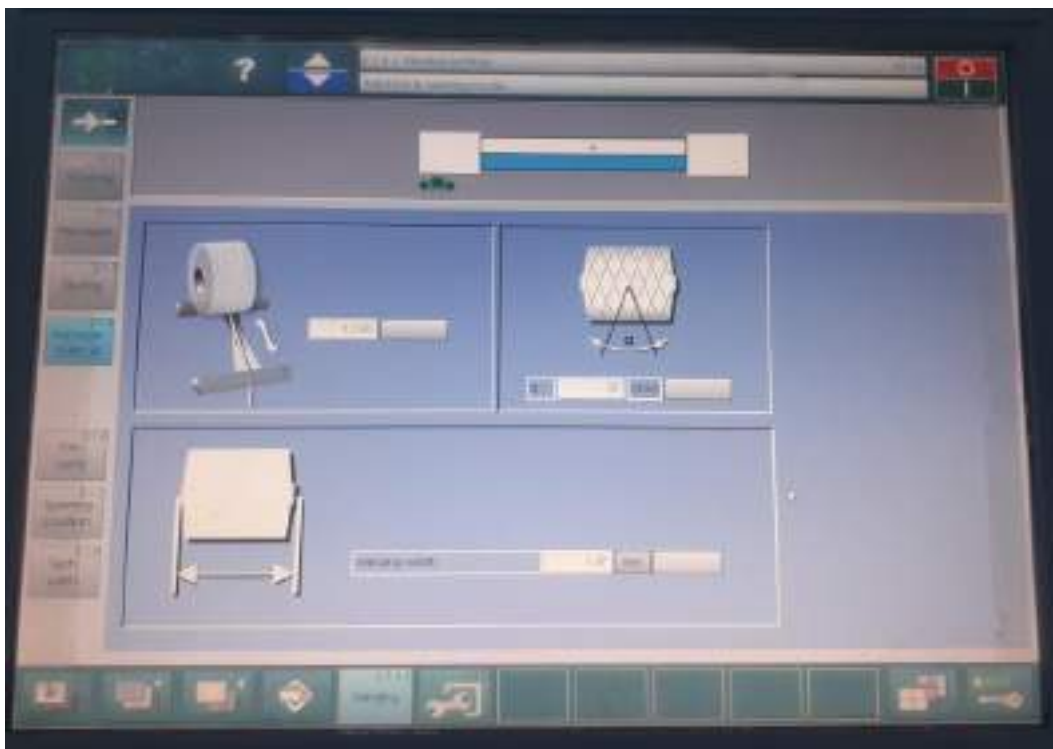
Lampiran 11 *Setting Rpm dan TPM* Eksperimen 2



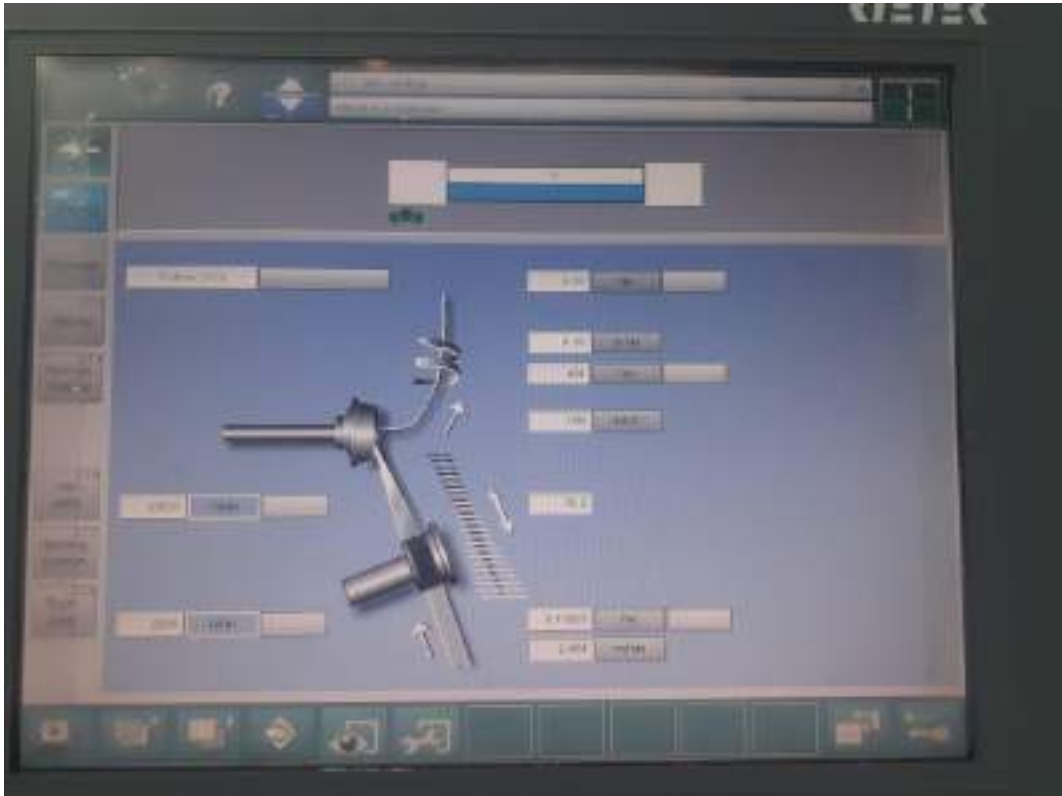
Lampiran 12 *Setting Draft* Eksperimen 2



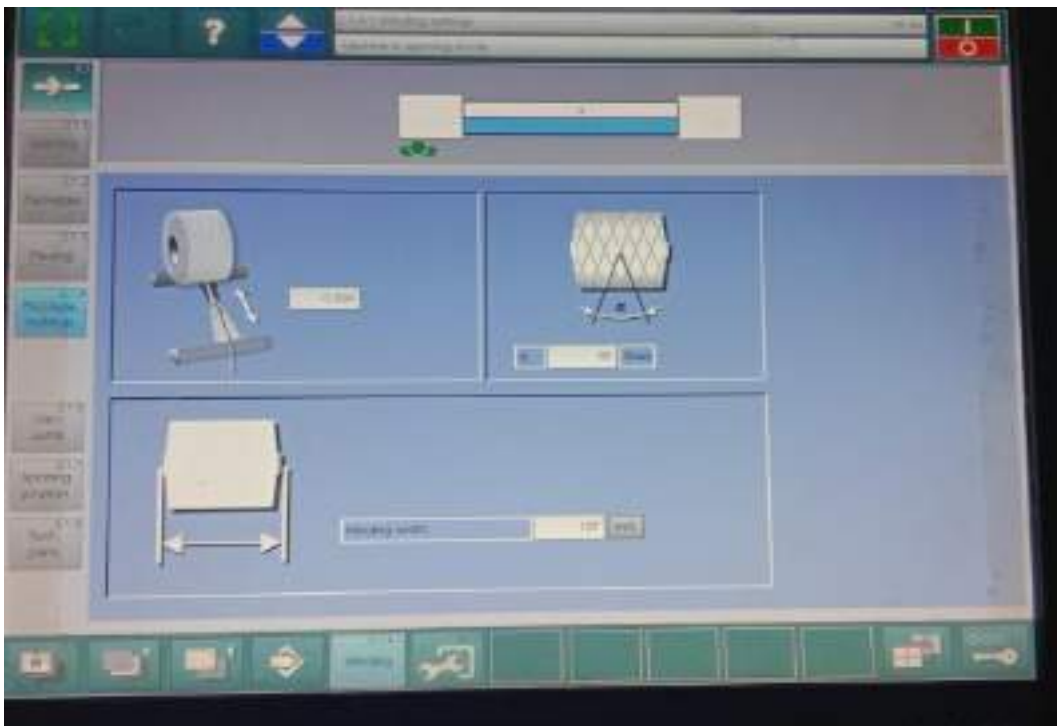
Lampiran 13 Setting Rpm dan Draft Eksperimen 3



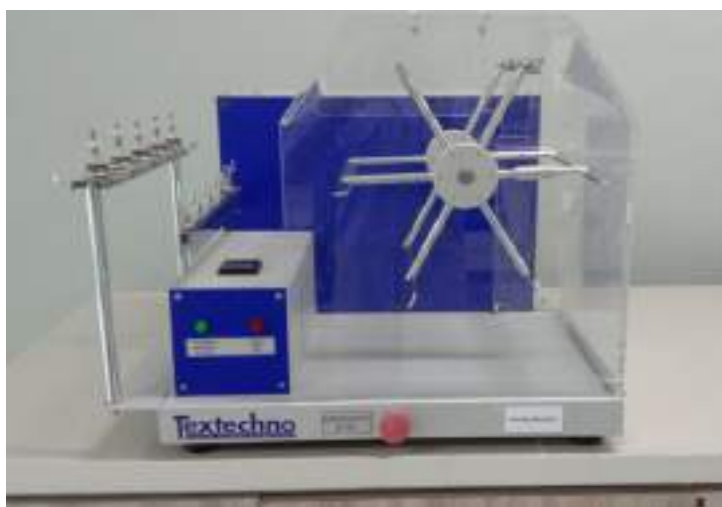
Lampiran 14 Setting Draft Eksperimen 3



Lampiran 15 Setting Rpm dan Draft Eksperimen 4



Lampiran 16 Setting Draft Eksperimen 4



Lampiran 17 Alat Uji Ne (*Yarn Reeling*)



Lampiran 18 Neraca/Timbangan



Lampiran 19 Alat Uji *Unevenness*



Lampiran 20 Alat Uji *Sliver*



Lampiran 21 Benang Hasil Eksperimen 1



Lampiran 22 Benang Hasil
Eksperimen 2



Lampiran 23 Benang Hasil
Eksperimen 3



Lampiran 24 Benang Hasil Eksperimen 4