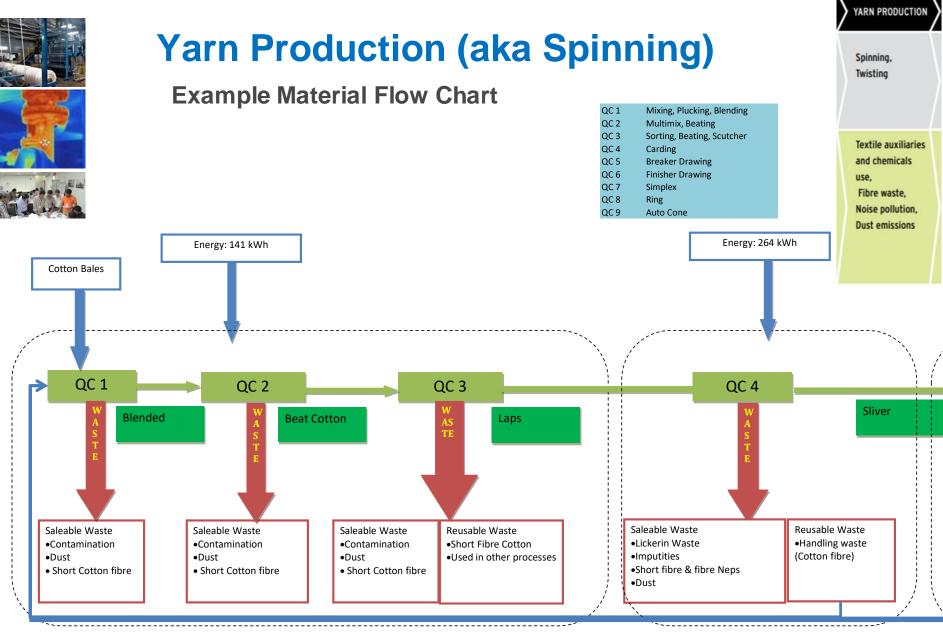


Yarn manufacturing / Spinning Example MATERIAL FLOW COST ACCOUNTING







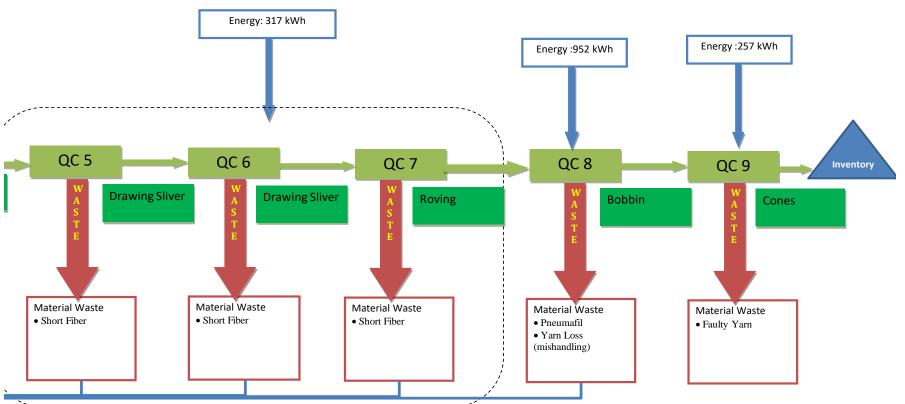


Yarn Production (aka Spinning)

Example Material Flow Chart

QC 1 Mixing, Plucking, Blending
QC 2 Multimix, Beating
QC 3 Sorting, Beating, Scutcher
QC 4 Carding
QC 5 Breaker Drawing
QC 6 Finisher Drawing
QC 7 Simplex
QC 8 Ring

Auto Cone







Material Flow Cost Accounting - Spinning

Example Material Flow Cost Accounting

QUANTITY	/ DATA	Input	QC1	QC2	QC3	QC4	QC5	QC6	QC7	QC8	QC9	TOTAL
Material	kg	950	945.5	934.3	915.3	799.6	797.7	795.8	770.6	746.5	739.0	
Energy Input	kWh		141.0			264.0	317.0			952.0	257.0	1,931.0
System	Perso ns			42.0		37.0		57.0		60.0	38.0	234.0
Material Waste	Kg		4.5	11.2	4.2	79.1	1.1	1.1	15.0	2.8	7.5	126.6
Material Re-use	Kg				7.8	27.4	0.8	0.8	10.2	21.3		68.2
Dust	Kg				7.0	9.2						16.2
Total Material NPO	Kg		4.5	11.2	19.0	115.7	1.9	1.9	25.2	24.1	7.5	211.0
Energy NPO	kWh			29.6		55.4		66.6		199.9	54.0	405.5
System NPO	Perso ns			8.8		7.8		12.0		12.6	8.0	49.1





Material Flow Cost Accounting - Spinning

Example Material Flow Cost Accounting

COST D	ATA	Input	QC1	QC2	QC3	QC4	QC5	QC6	QC7	QC8	QC9	TOTAL
Material	PKR	166,250	167,848	165,859	162,486	141,955	141,616	141,277	136,796	132,519	131,337	
Energy Input	PKR		1,199			2,244	2,695			8,092	2,185	16,414
System	PKR		438			432	563			2,737	1,527	5,695
Material Waste	PKR		791	1,960	735	13,843	200	200	2,625	496	1,306	22,155
Material Re-use	PKR				1,365	4,795	135	134	1,792	3,721		11,942
Waste/du st Sold	PKR		(43)	(213)	(94)	(2,391)	(34)	(34)	(450)	(85)	(224)	(3,536)
Material NPO	PKR		748	1,747	2,006	16,246	300	300	3,967	4,132	1,082	30,529
Energy NPO	PKR		252		471	566			1,699	459	3,447	
System NPO	PKR			92		91		118		575	321	1,196





Material Flow Cost Accounting - Spinning

Example Material Flow Cost Accounting







Cost		Material	Energy	System	Disposal	Total	
Product	PKR	131,337	12,967	4,499		148,803	
	%	79%	79%	79%		72%	
NPOs	PKR	34,097	3,447	1,196	20,331	59,071	
	%	21%	21%	21%	100%	28%	