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INTERNATIONAL COTTON INDUSTRY STATISTICS

INTERNATIONAL TEXTILE MANUFACTURERS FEDERATION
FÉDÉRATION INTERNATIONALE DES INDUSTRIES TEXTILES
INTERNATIONALE VEREINIGUNG DER TEXTILINDUSTRIE



INTERNATIONAL COTTON INDUSTRY STATISTICS

Vol. 61/2018

International Cotton Industry Statistics presents data on the productive capacity (spindles, rotors, air-jets, shuttle and shuttle-less looms) and raw materials consumption (cotton and man-made fibres) in the short-staple organized (spinning mill-) sector of the textile industries in virtually all textile-producing countries in the world. The information in this report is based on data collected from national textile associations and other publicly available sources.

Each of the three main sections in the publication (spinning capacities, weaving capacities, raw materials consumption) begins with a graphical illustration of the most salient features of some of the data contained in the subsequent detailed tables.

The geographical grouping of countries is based on continents. For Europe and the Americas, a further division has been made according to regions.

Note: Time series have been modified as part of an on-going revision

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Wiedingstrasse 9
CH-8055 Zürich
Switzerland
Phone: (+41-44) 283 63 80
Fax: (+41-44) 283 63 89
E-Mail: secretariat@itmfi.org
Web: www.itmf.org

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Spinning Machinery Summary

Fig 1: Global Ring Spindle Capacities

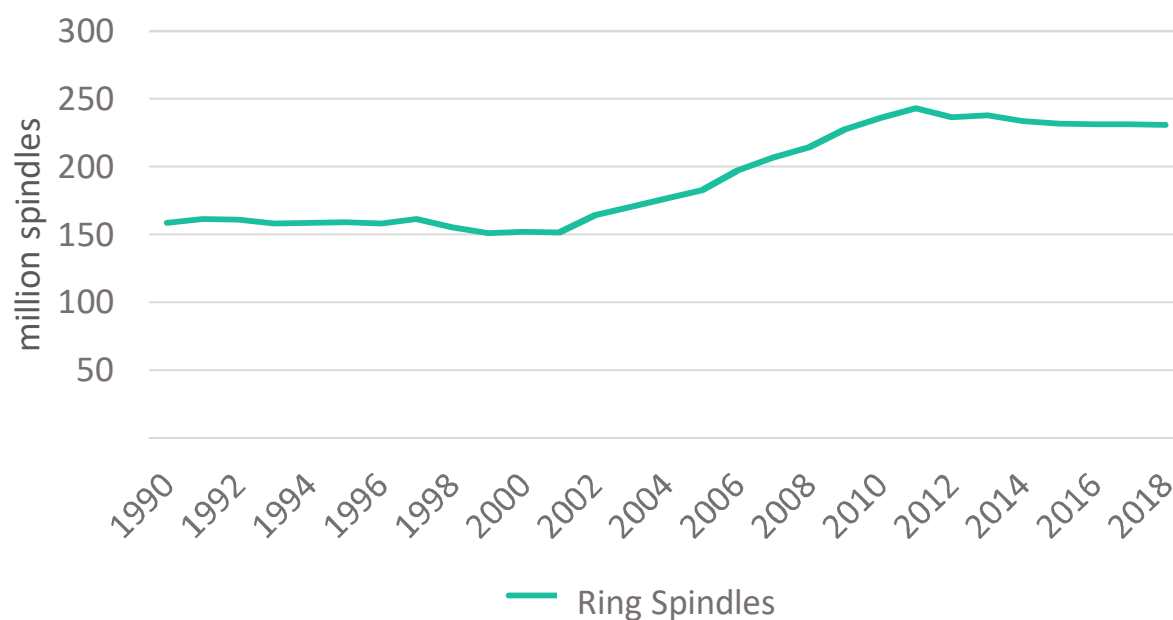
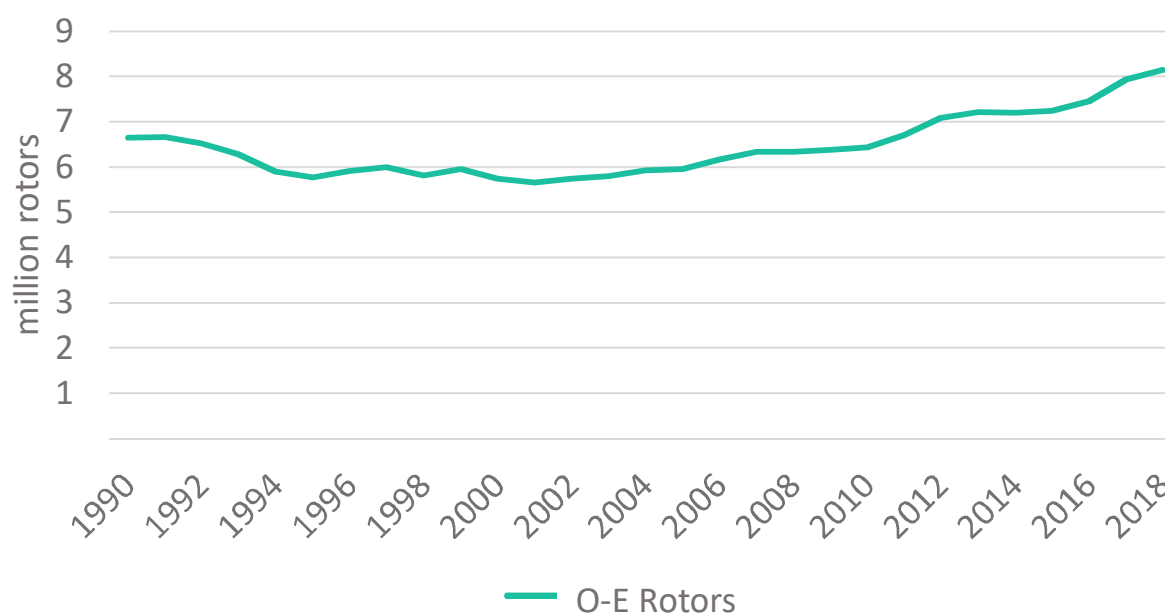
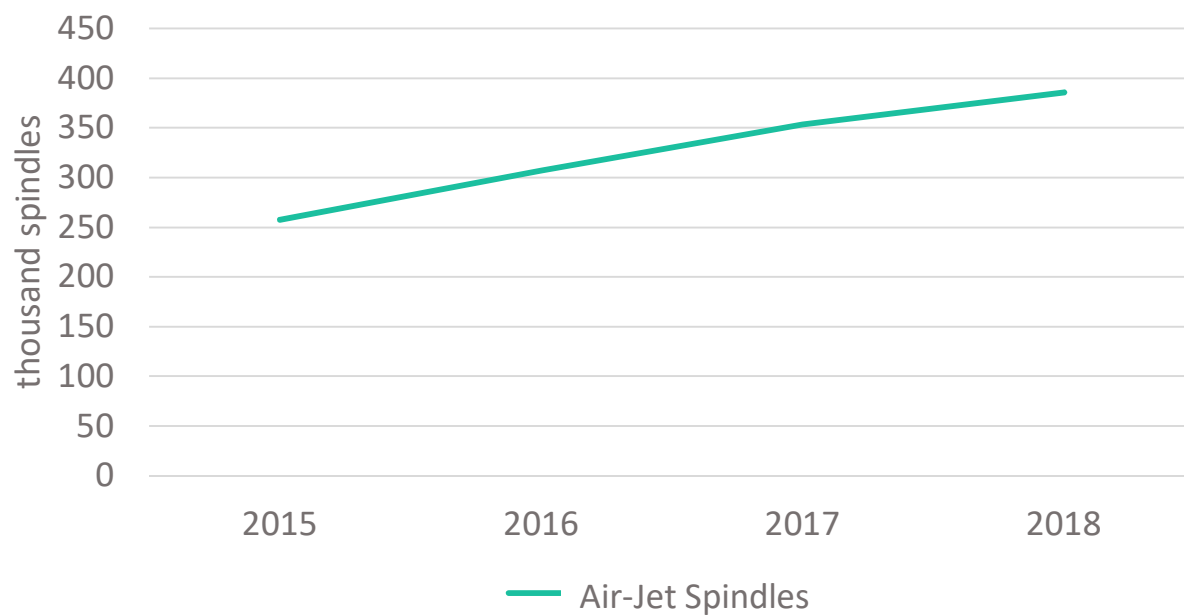


Fig 2: Global Open-End Rotor Capacities



Spinning Machinery Summary

Fig 3: Global Air-Jet Spindle Capacities



Spinning Machinery Installed Short-Staple Spindles

Fig 4: Installed Short-Staple Spindles

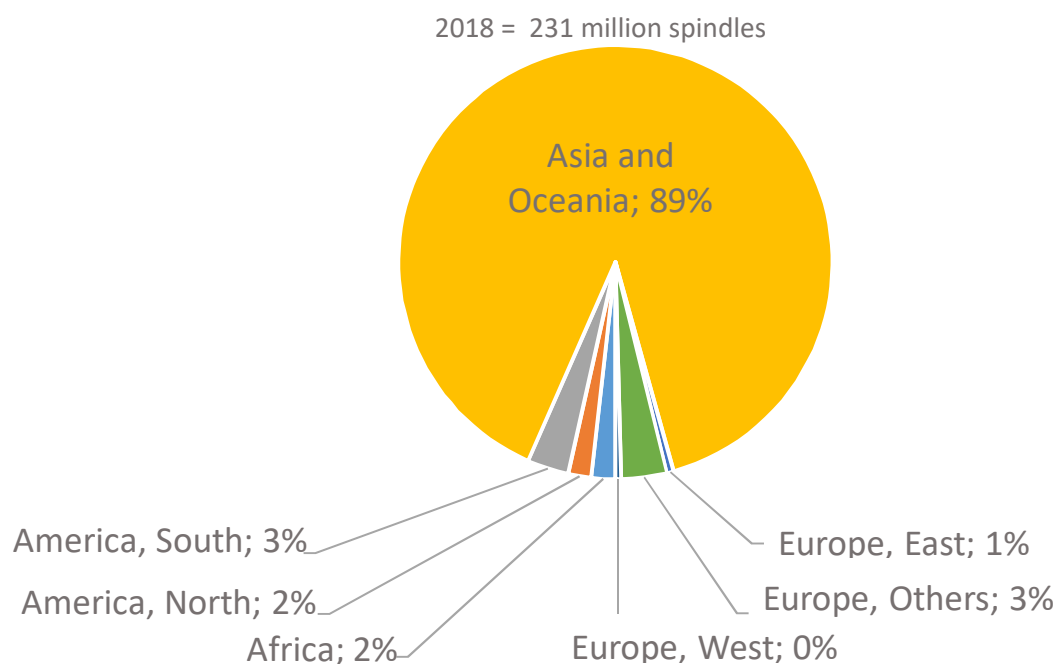
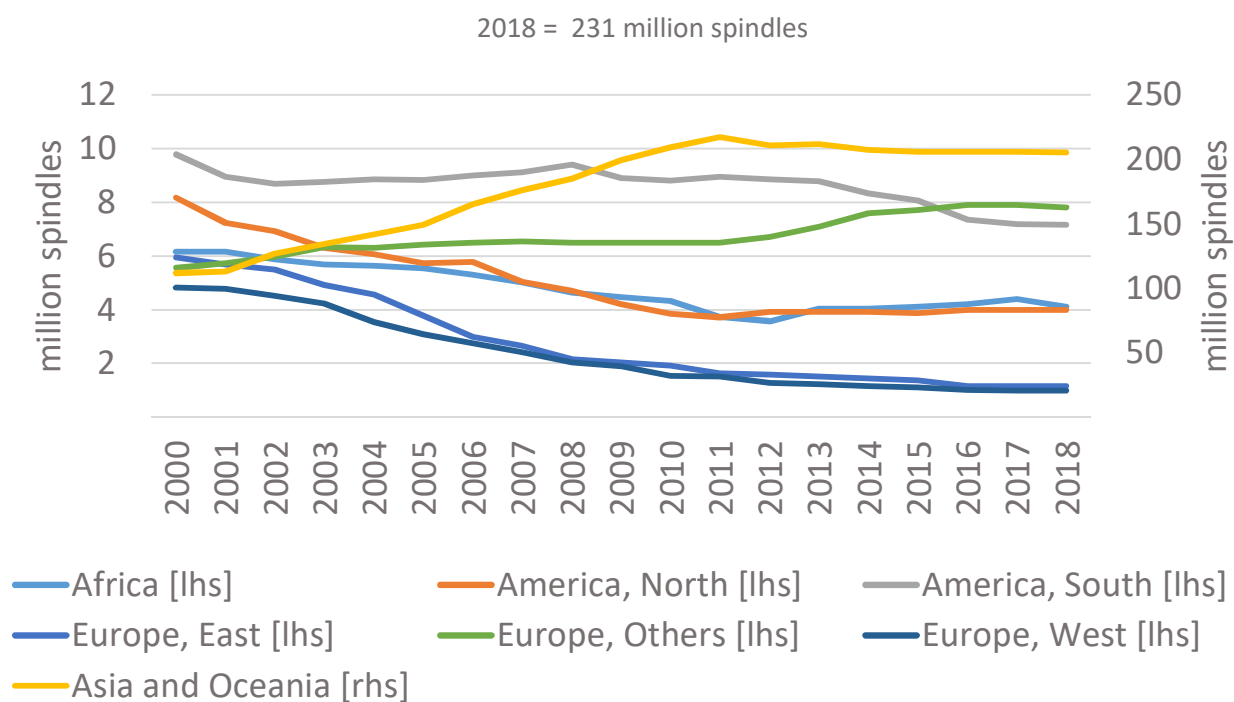


Fig 5: Installed Short-Staple Ring Spindle Capacities



Spinning Machinery Installed Open-End Rotors

Fig 6: Installed Open-End Rotors

2018 = 8.1 million rotors

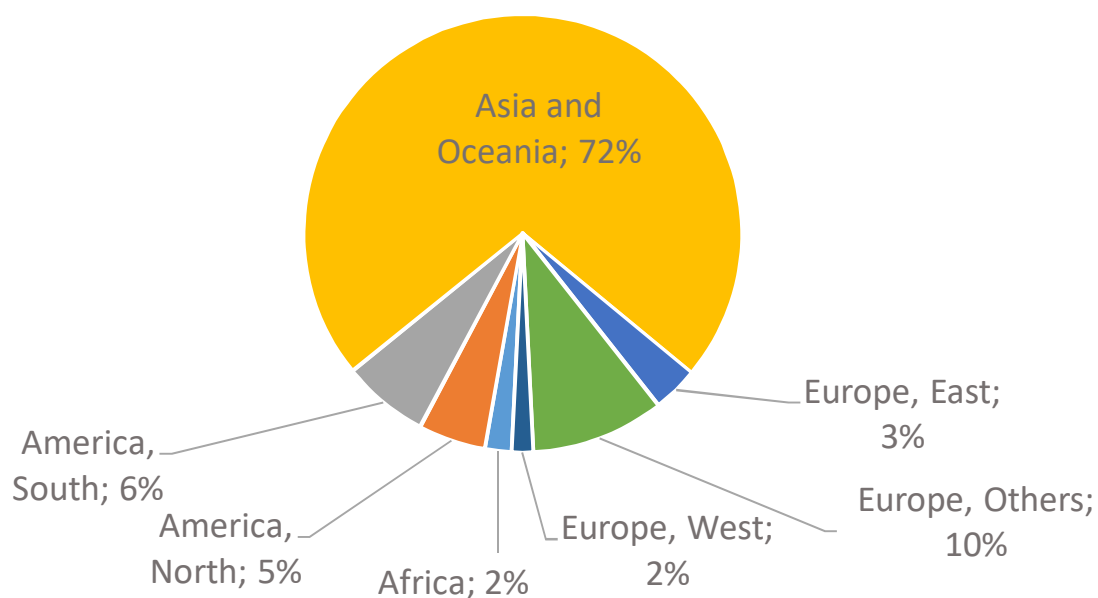
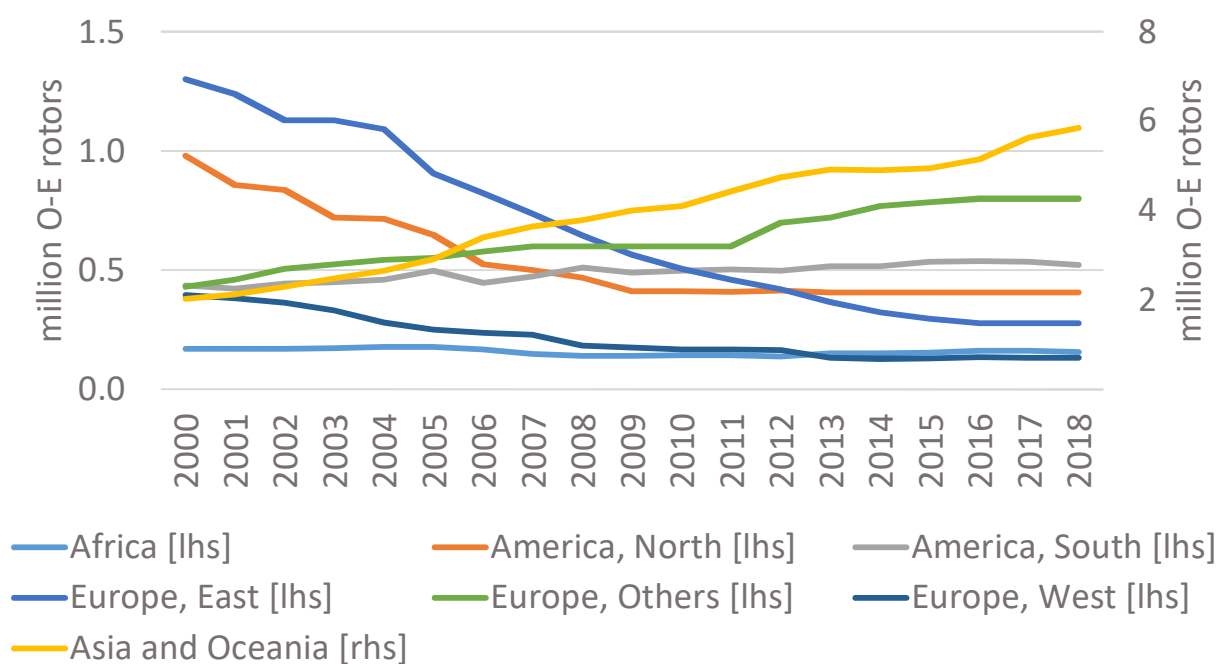


Fig 7: Installed Open-End Rotor Capacities

2018 = 8.1 million rotors



Spinning Machinery Installed Air-Jet Spindles

Fig 8: Installed Air-Jet Spindles

2018 = 386 thousand spindles

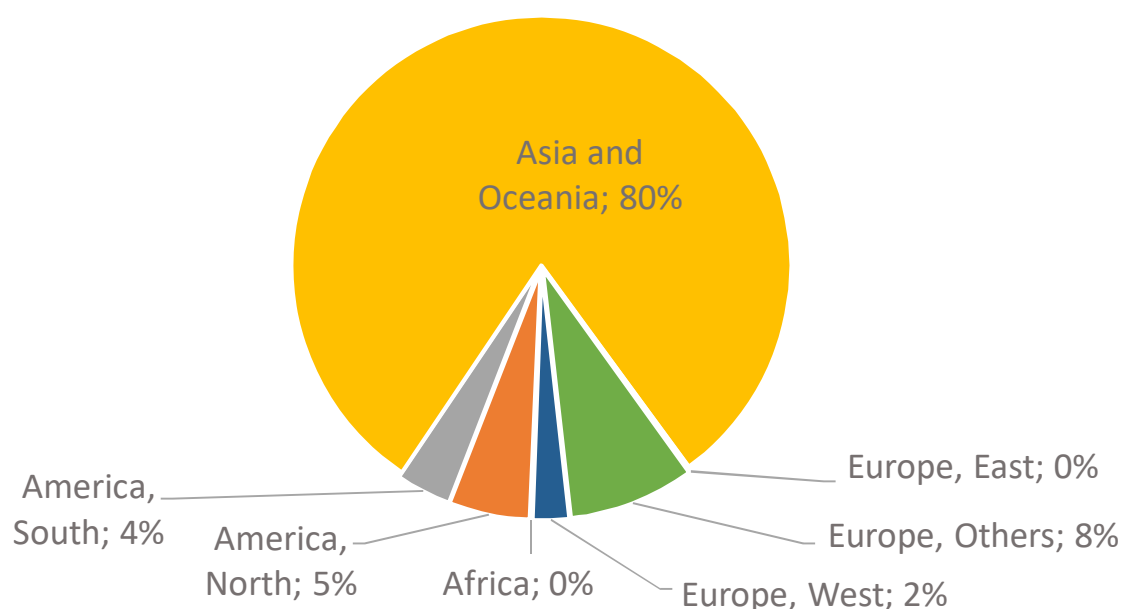
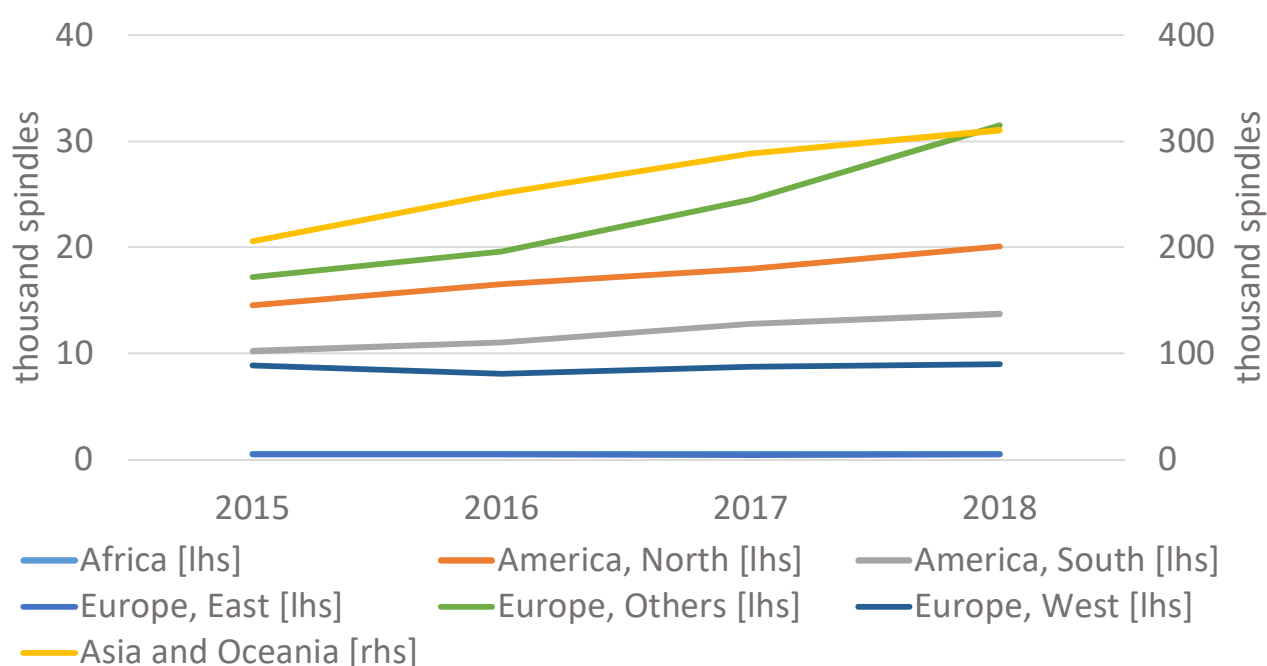


Fig 9: Installed Air-Jet Spindles Capacities

2018 = 386 million spindles



Spinning Machinery 2018

Table 1.1 : Summary (Number installed at end of year, per region)

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Africa	520	156'900	4'097'400
America, North	20'060	407'300	3'989'000
America, South	13'700	522'600	7'157'700
Asia and Oceania	310'400	5'845'900	205'508'200
Europe, East	470	276'800	1'159'000
Europe, Others	31'500	800'000	7'800'000
Europe, West	8'980	132'100	986'300
World	385'630	8'141'600	230'697'600

Spinning Machinery 2018

Table 1.2 : Africa (Number installed at end of year, per country)

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Algeria		6'000	300'000
Angola		400	110'000
Benin		6'000	40'000
Botswana		1'500	15'000
Burkina Faso			7'000
Cameroon		2'000	35'000
Chad			18'000
Egypt		12'300	1'500'000
Eritrea			5'500
Ethiopia		19'000	294'000
Ghana			20'000
Ivory Coast		3'000	40'000
Kenya		1'500	53'200
Lesotho		3'500	71'200
Madagascar		1'300	20'000
Malawi			40'000
Mali			20'000
Mauritius	280	800	88'000
Morocco		40'000	250'000
Mozambique			10'000
Niger			14'000
Nigeria		12'000	290'000
Senegal			25'000
South Africa	240	7'500	55'000
Sudan		20'000	180'000
Swaziland			34'000
Tanzania			280'000
Togo			5'000
Tunisia		6'500	140'000
Uganda		1'200	25'000
Zaire		2'500	32'500
Zambia		2'500	30'000
Zimbabwe		7'400	50'000
Africa	520	156'900	4'097'400

Spinning Machinery 2018

Table 1.3 : The Americas (Number installed at end of year, per country)

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Canada	300	16'800	100'000
Costa Rica			44'000
Cuba		1'000	180'000
Dominican Rep.		1'400	20'000
El Salvador	40	3'000	250'000
Guatemala		21'000	150'000
Mexico	220	61'100	2'350'000
Nicaragua			25'000
U.S.A.	19'500	303'000	870'000
America, North	20'060	407'300	3'989'000

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Argentina	1'700	60'000	1'200'000
Bolivia		2'500	30'000
Brazil	12'000	383'600	4'268'200
Chile		2'000	160'000
Colombia		15'000	230'000
Ecuador		12'000	150'000
Paraguay			12'000
Peru		18'000	700'000
Uruguay		4'500	27'500
Venezuela		25'000	380'000
America, South	13'700	522'600	7'157'700

The Americas	33'760	929'900	11'146'700
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Spinning Machinery 2018

Table 1.4 : Asia and Oceania (Number installed at end of year, per country)

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Australia	3'300	3'000	1'800
Bahrain		500	46'000
Bangladesh	11'800	299'000	13'500'000
China	204'300	3'400'000	92'000'000
Chinese Taipei	7'700	65'400	1'166'100
Hong Kong, China	510	4'900	79'000
India	18'100	900'000	53'000'000
Indonesia	22'400	230'000	12'250'000
Iran	1'600	90'000	2'000'000
Iraq		5'000	70'000
Japan	10'000	12'000	851'000
Jordan		500	16'000
Kazakhstan		10'400	41'500
Korea, Rep.	6'400	7'900	817'500
Kyrgyzstan			17'500
Malaysia	5'500	6'000	240'000
Myanmar		1'600	250'000
Nepal			100'000
Pakistan	4'200	198'800	13'409'400
Philippines	60	50'000	230'000
Saudi Arabia			10'000
Singapore	30		
Sri Lanka	600	200	29'400
Syria	10	27'000	770'000
Tadzhikistan		9'700	70'000
Thailand	6'400	48'000	3'790'000
Turkmenistan		106'000	678'000
United Arab Emirates			25'000
Uzbekistan	490	190'000	3'000'000
Vietnam	7'000	180'000	7'050'000
Asia & Oceania	310'400	5'845'900	205'508'200

Spinning Machinery 2018

Table 1.5 : Europe (Number installed at end of year, per country)

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Austria	2'300	7'800	91'000
Belgium		11'300	24'900
France	1'300	25'800	43'200
Germany	2'000	8'000	110'000
Greece	220	5'700	147'000
Ireland			23'000
Italy	2'000	6'000	275'000
Netherlands		7'000	9'000
Portugal	300	31'000	171'000
Spain	280	29'500	60'000
Switzerland	340		25'000
United Kingdom	240		7'200
Europe, West	8'980	132'100	986'300

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Albania			100'000
Armenia		15'000	15'000
Azerbaijan		14'600	45'500
Belarus		10'300	41'000
Bosnia And Herzegovina			50'000
Bulgaria		24'000	240'000
Croatia	240	1'500	19'800
Czech Republic	230	12'800	67'100
Estonia		36'000	53'000
Georgia		9'000	33'500
Hungary			30'000
Lithuania		23'100	102'000
Macedonia			120'000
Moldova		29'800	50'000
Poland		2'400	8'800
Romania		10'000	50'000
Russia		70'000	40'000
Slovakia			8'700
Slovenia			34'600
Ukraine		18'300	50'000
Europe, East	470	276'800	1'159'000

Region	Air-jet Spindles	Rotors	Short-Staple Spindles
Turkey	31'500	800'000	7'800'000
Europe, Other	31'500	800'000	7'800'000

Europe	40'950	1'208'900	9'945'300
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Weaving Machinery Summary

Fig 10: Global Shuttle-less Looms Capacities

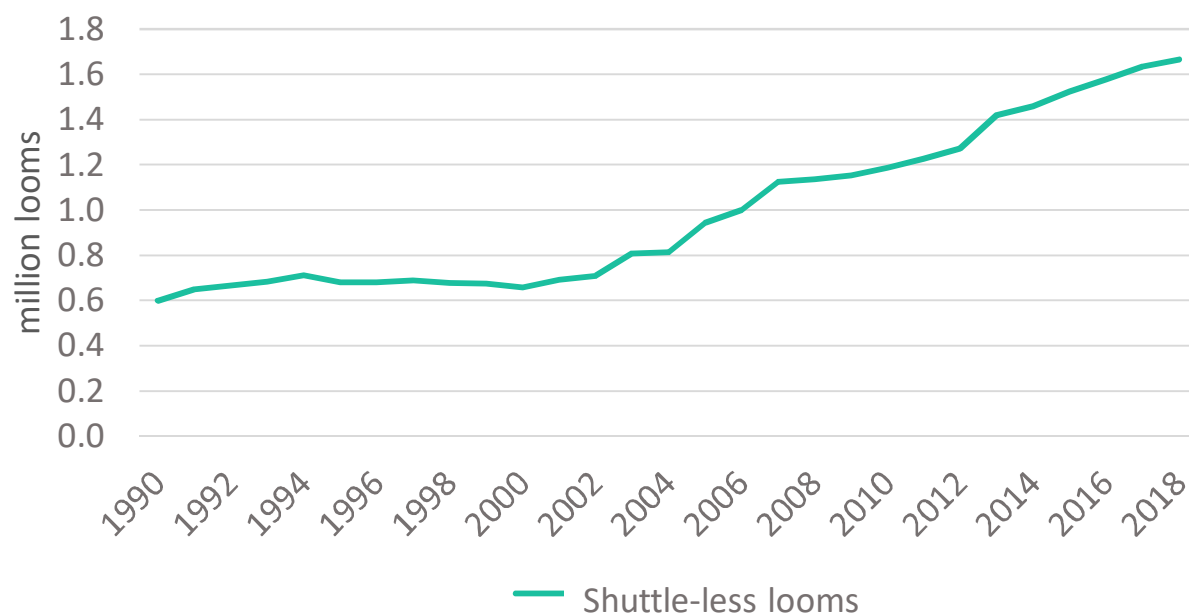
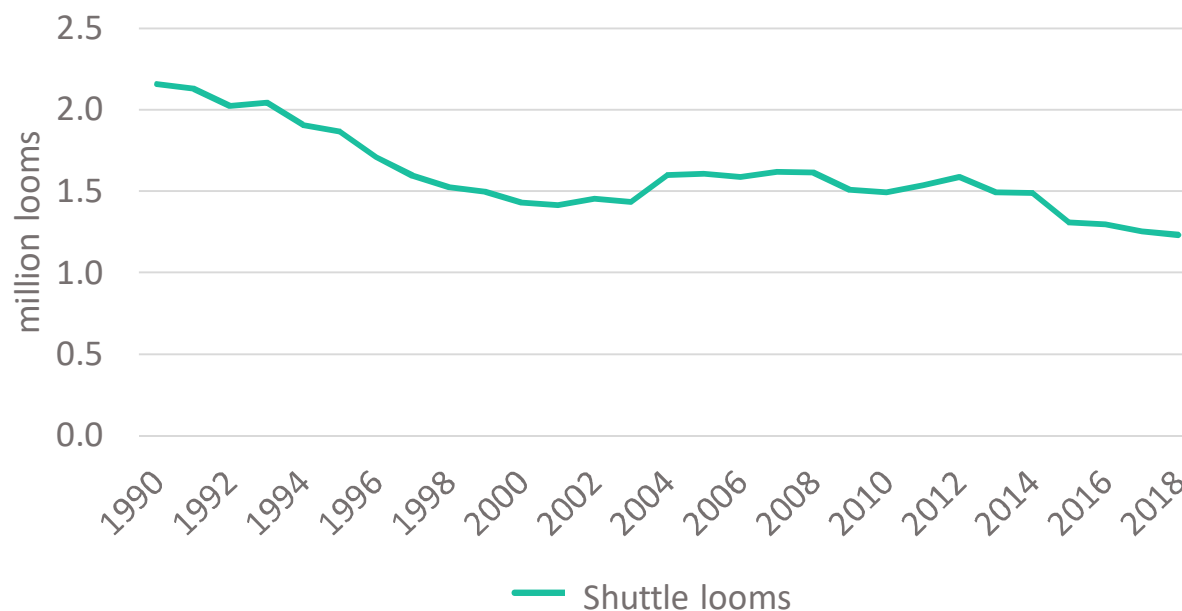


Fig 11: Global Shuttle Looms Capacities



Weaving Machinery Installed Shuttle-less Looms

Fig 12: Installed Shuttle-less Looms

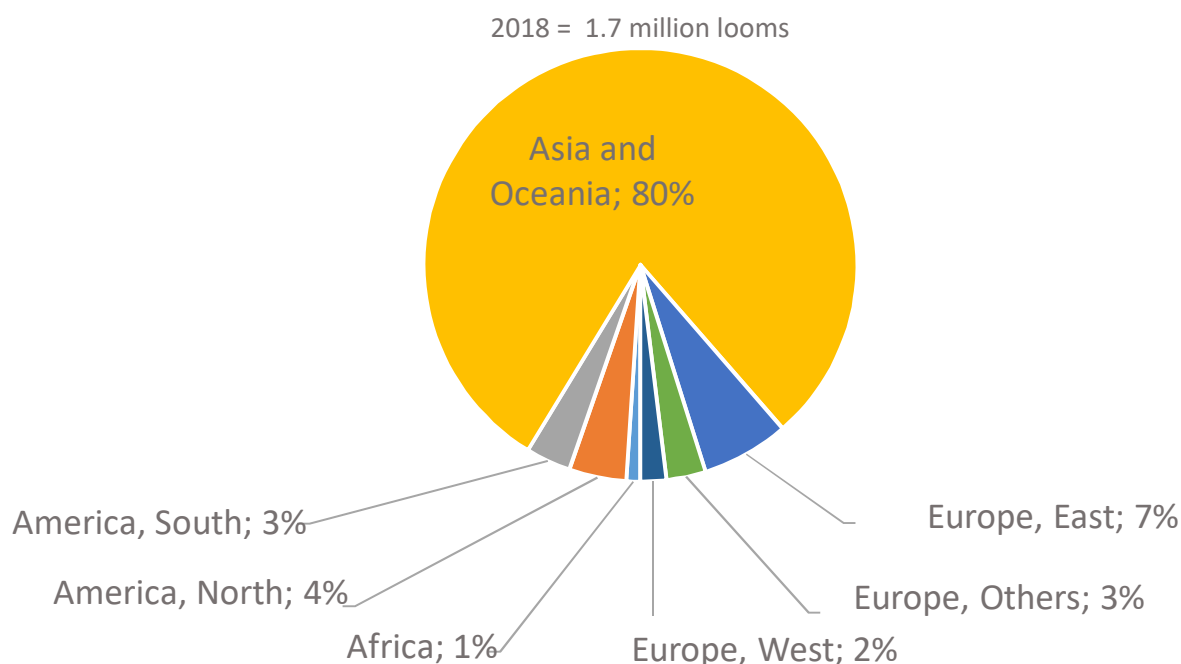
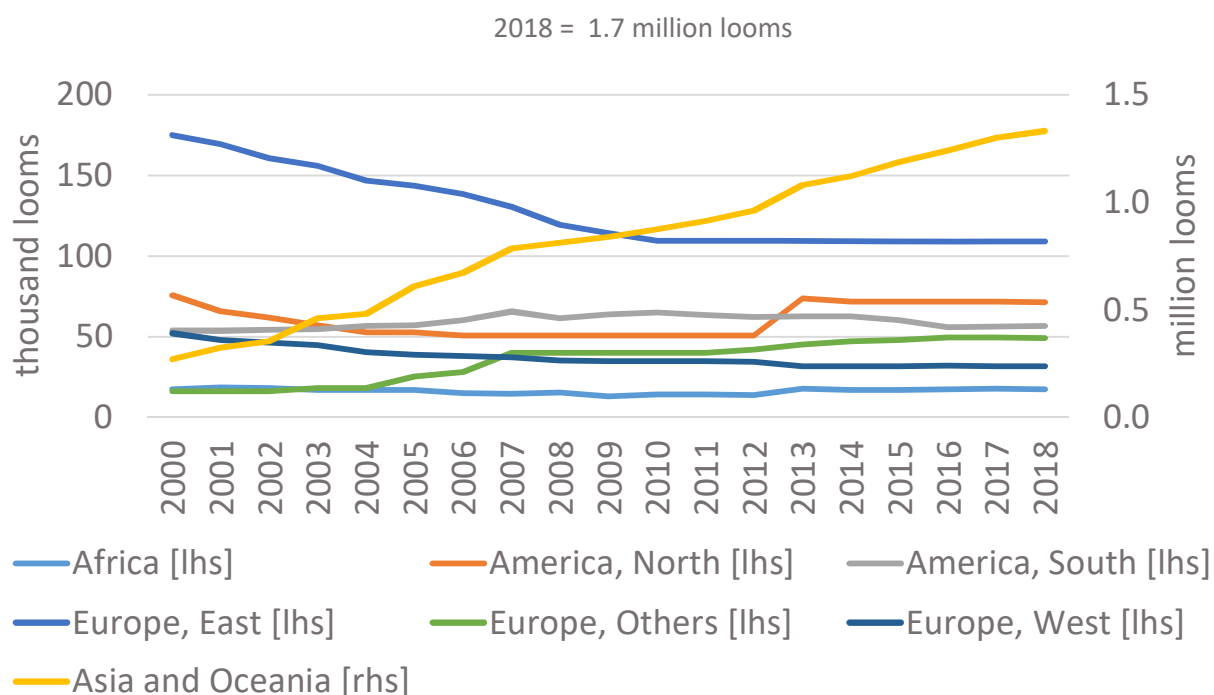


Fig 13: Installed Shuttle-less Looms



Weaving Machinery Installed Shuttle Looms

Fig 14: Installed Shuttle Looms

2018 = 1.2 million looms

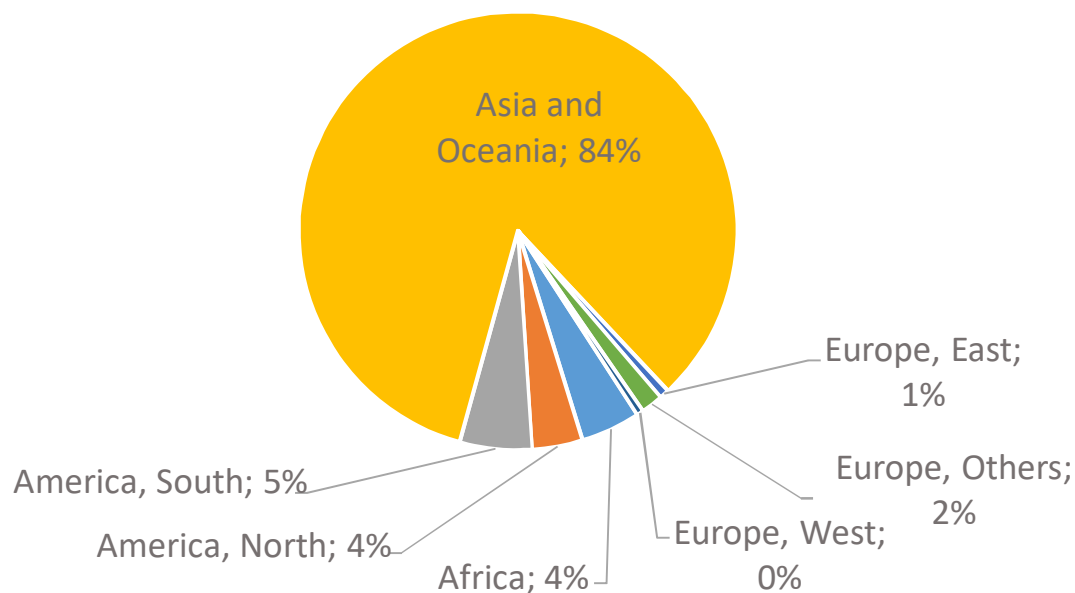
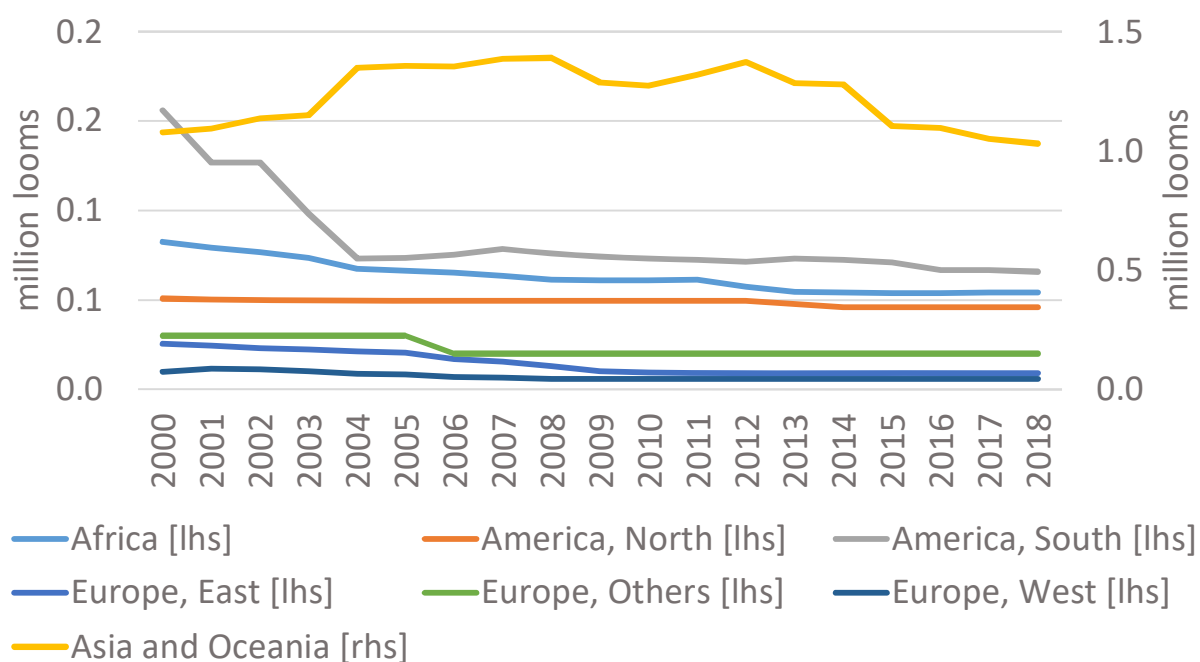


Fig 15: Installed Shuttle Looms

2018 = 1.2 million looms



Weaving Machinery 2018

Table 2.1 : Summary (Number installed at end of year, per region)

Region	Shuttle Looms	Shuttleless Looms
Africa	54'220	17'380
America, North	45'900	71'150
America, South	65'800	56'430
Asia and Oceania	1'030'610	1'331'460
Europe, East	9'040	109'060
Europe, Others	20'000	49'000
Europe, West	5'920	31'670
World	1'231'490	1'666'150

Weaving Machinery 2018

Table 2.2 : Africa (Number installed at end of year, per country)

Region	Shuttle Looms	Shuttleless Looms
Algeria	8'000	2'100
Angola	800	300
Benin	2'000	
Botswana		180
Cameroon	1'000	200
Chad	250	40
Egypt	790	2'600
Eritrea	260	70
Ethiopia	170	2'200
Ghana	3'500	190
Ivory Coast	2'000	60
Kenya	200	430
Lesotho		50
Madagascar		90
Malawi	350	70
Mali	1'000	
Mauritius		600
Morocco	4'000	2'100
Mozambique	2'500	120
Nigeria	5'000	3'500
Senegal	500	150
South Africa	300	450
Sudan	10'000	390
Swaziland		110
Tanzania	5'000	150
Togo		20
Tunisia	1'800	260
Uganda	1'000	120
Zaire	2'500	160
Zambia	1'000	160
Zimbabwe	300	510
Africa	54'220	17'380

Weaving Machinery 2018

Table 2.3 : The Americas (Number installed at end of year, per country)

Region	Shuttle Looms	Shuttleless Looms
Canada		3'000
Costa Rica	1'000	100
Cuba	5'000	4'000
Dominican Rep.	500	150
El Salvador	3'000	200
Guatemala	3'000	890
Mexico	31'500	35'000
Nicaragua	500	150
U.S.A.	1'400	27'600
Panama		10
Puerto Rico		50
America, North	45'900	71'150

Region	Shuttle Looms	Shuttleless Looms
Argentina	17'500	6'500
Bolivia	1'000	100
Brazil	19'900	39'900
Chile	8'000	800
Colombia	8'500	4'000
Ecuador	400	600
Paraguay		100
Peru	5'000	1'400
Uruguay	500	530
Venezuela	5'000	2'500
America, South	65'800	56'430

The Americas	111'700	127'580
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Weaving Machinery 2018

Table 2.4 : Asia and Oceania (Number installed at end of year, per country)

Region	Shuttle Looms	Shuttleless Looms
Afghanistan		90
Australia		850
Bahrain		420
Bangladesh	17'000	45'000
Cambodia		30
China	280'000	875'000
Chinese Taipei	420	17'400
Hong Kong, China	1'000	8'000
India	45'500	125'000
Indonesia	197'000	76'000
Iran	8'500	12'000
Iraq	3'500	2'000
Japan	4'200	13'000
Jordan		50
Kazakhstan		400
Korea, Rep.		10'000
Kuwait		70
Kyrgyzstan	960	1'600
Malaysia	1'200	3'000
Mongolia		30
Myanmar	15'000	750
Nepal	1'000	240
Pakistan	375'000	38'700
Philippines	7'000	2'500
Qatar		40
Saudi Arabia		450
Sri Lanka	2'700	2'000
Syria	300	2'700
Tadzhikistan	2'200	4'600
Thailand	53'000	79'600
Turkmenistan		1'000
United Arab Emirates		500
Uzbekistan	130	1'600
Vietnam	15'000	6'800
Brunei Darussalam		10
Yemen		30
Asia & Oceania	1'030'610	1'331'460

Weaving Machinery 2018

Table 2.5 : Europe (Number installed at end of year, per country)

Region	Shuttle Looms	Shuttleless Looms
Austria		500
Belgium	370	3'700
France	130	2'000
Germany	400	1'600
Greece	2'000	60
Italy	1'300	6'900
Luxembourg		10
Netherlands		1'200
Portugal	1'600	9'200
Spain		2'900
Switzerland	20	600
United Kingdom	100	3'000
Europe, West	5'920	31'670

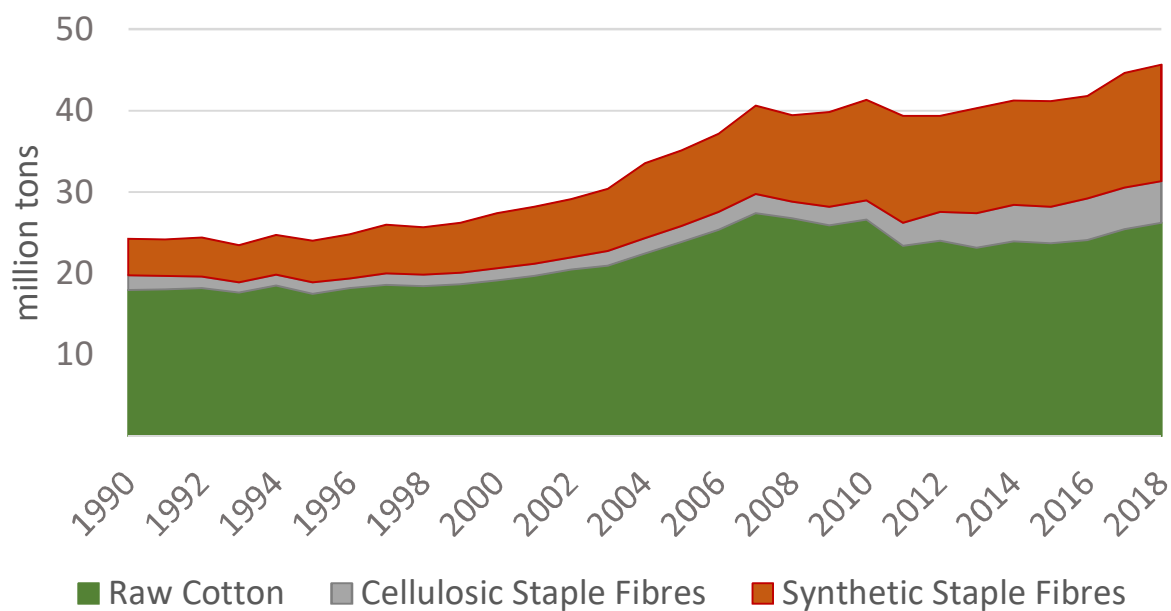
Region	Shuttle Looms	Shuttleless Looms
Albania	2'000	30
Armenia		5'000
Azerbaijan		3'000
Belarus		1'600
Bosnia And Herzegovina	1'000	
Bulgaria		6'000
Croatia	40	
Czech Republic		4'400
Estonia		3'700
Georgia		1'000
Hungary		240
Lithuania	400	2'100
Macedonia	1'200	40
Moldova		1'900
Poland	1'400	900
Romania	1'000	5'000
Russia	2'000	55'900
Slovakia		140
Slovenia		110
Ukraine		18'000
Europe, East	9040	109060

Region	Shuttle Looms	Shuttleless Looms
Turkey	20'000	49'000
Europe, Other	20'000	49'000

Europe	34'960	189'730
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Raw Materials Consumption Summary

Fig 16: Global Consumption of Raw Materials



Raw Materials Consumption

Raw Cotton

Fig 17: Cotton Consumption

2018 = 26 million tons

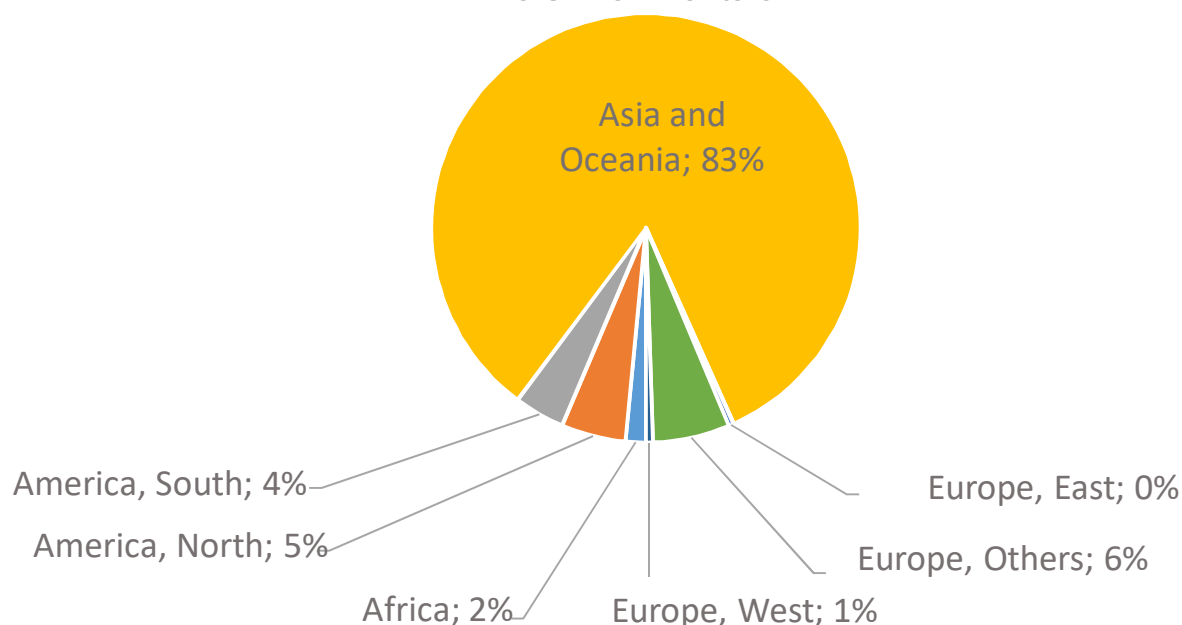
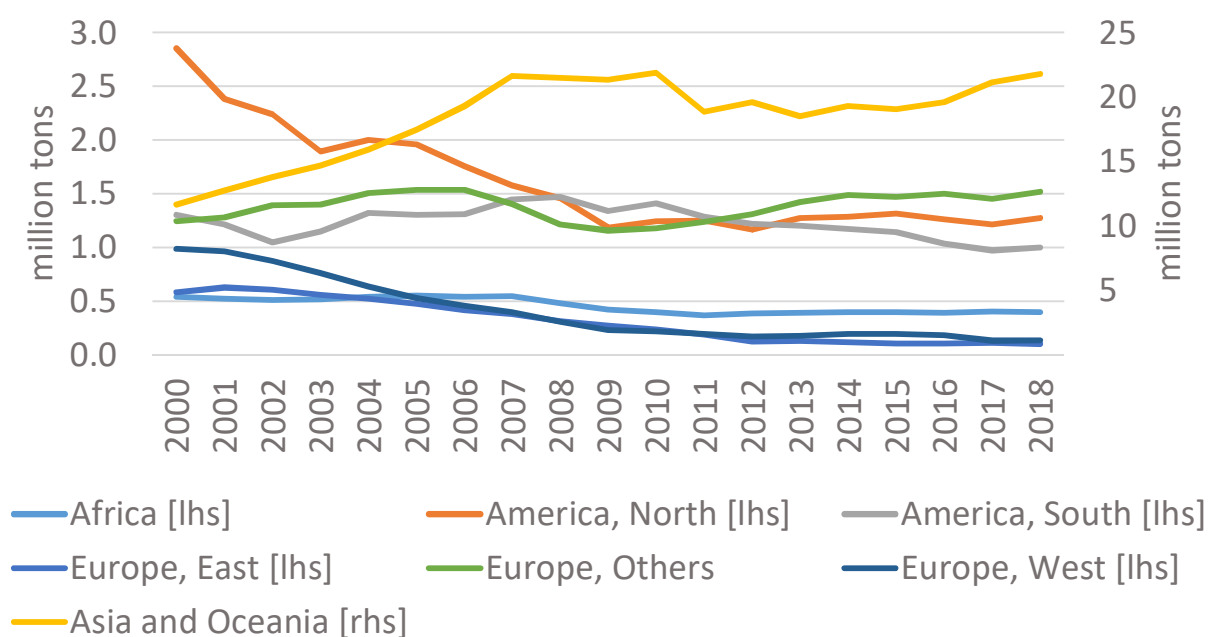


Fig 18: Cotton Consumption

2018 = 26 million tons



Raw Materials Consumption Cellulosic Staple Fibres

Fig 19: Cellulosic Staple Fibre Consumption

2018 = 5.1 million tons

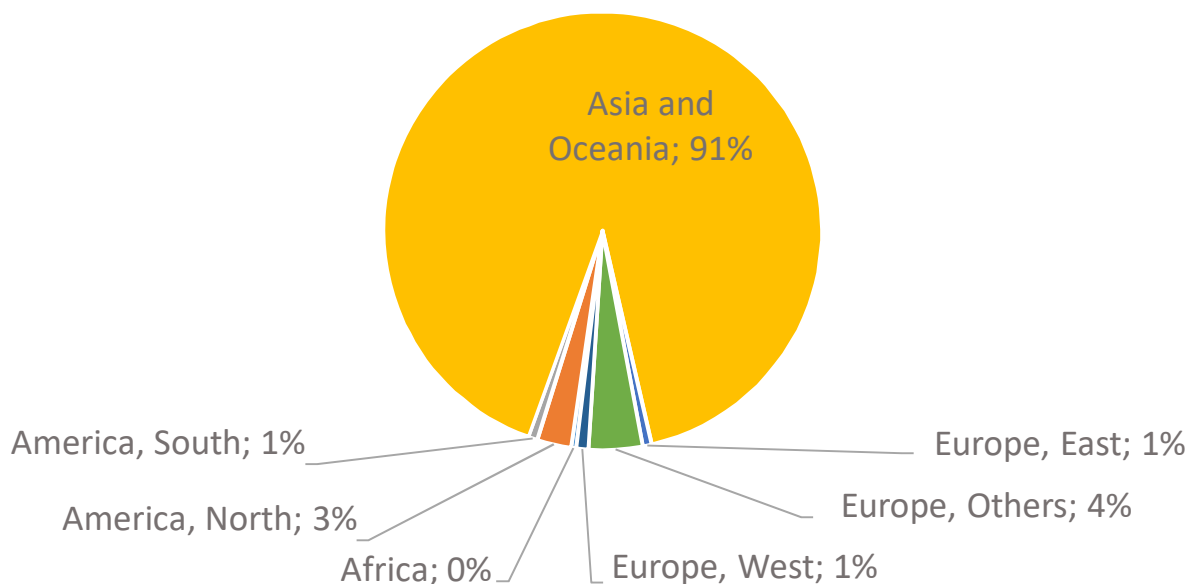
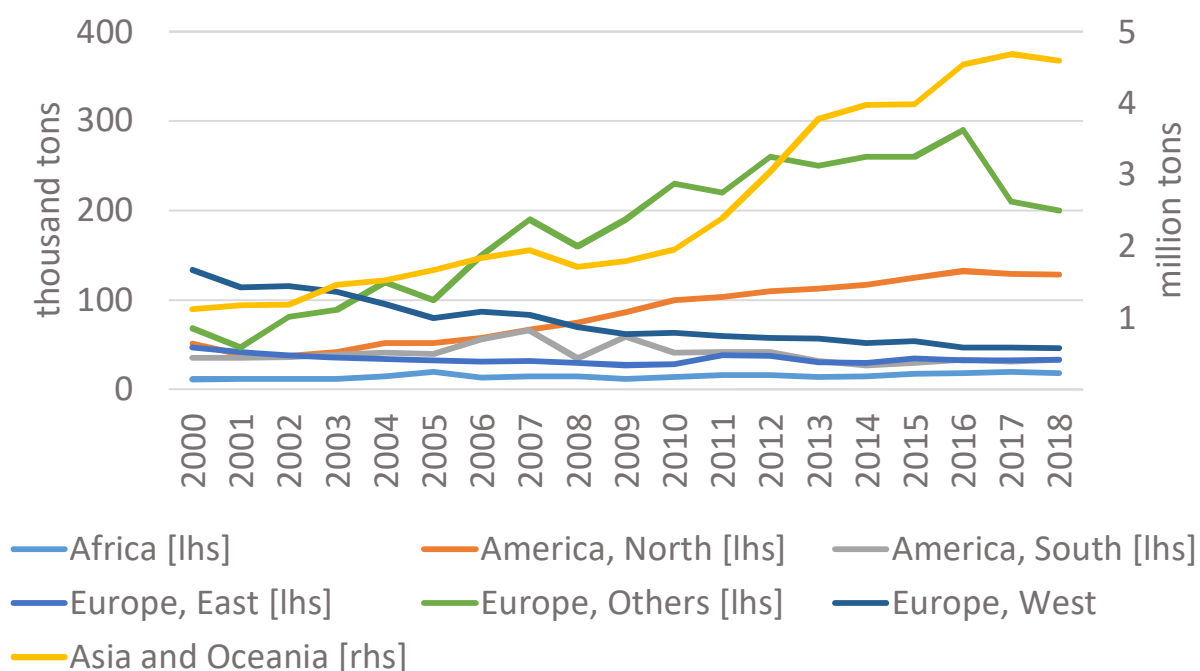


Fig 20: Cellulosic Staple Fibre Consumption

2018 = 5.1 million tons



Raw Materials Consumption Synthetic Staple Fibres

Fig 21: Synthetic Staple Fibres Consumption

2018 = 14 million tons

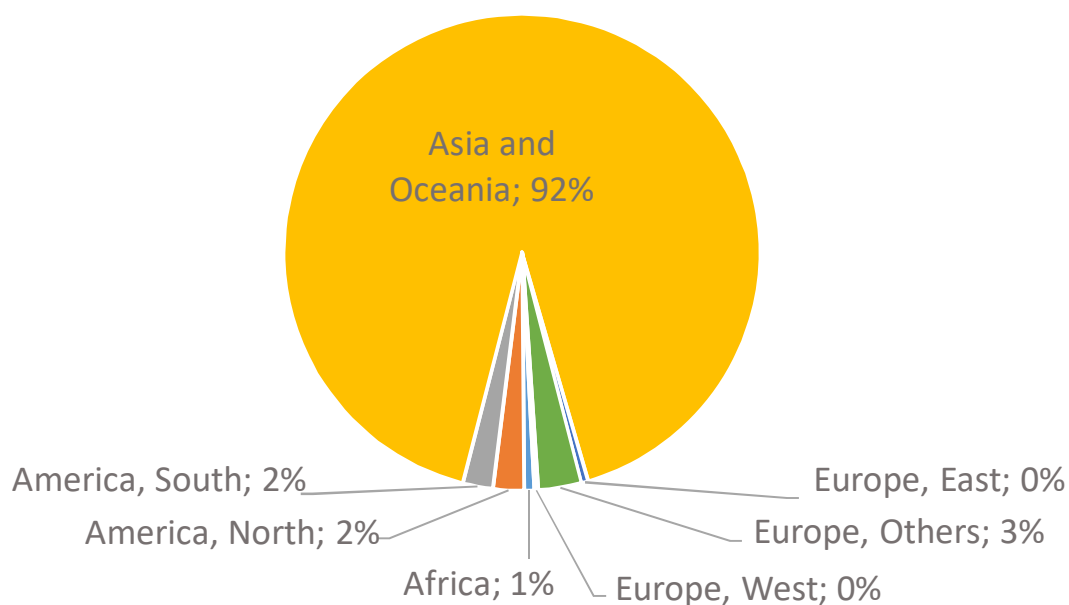
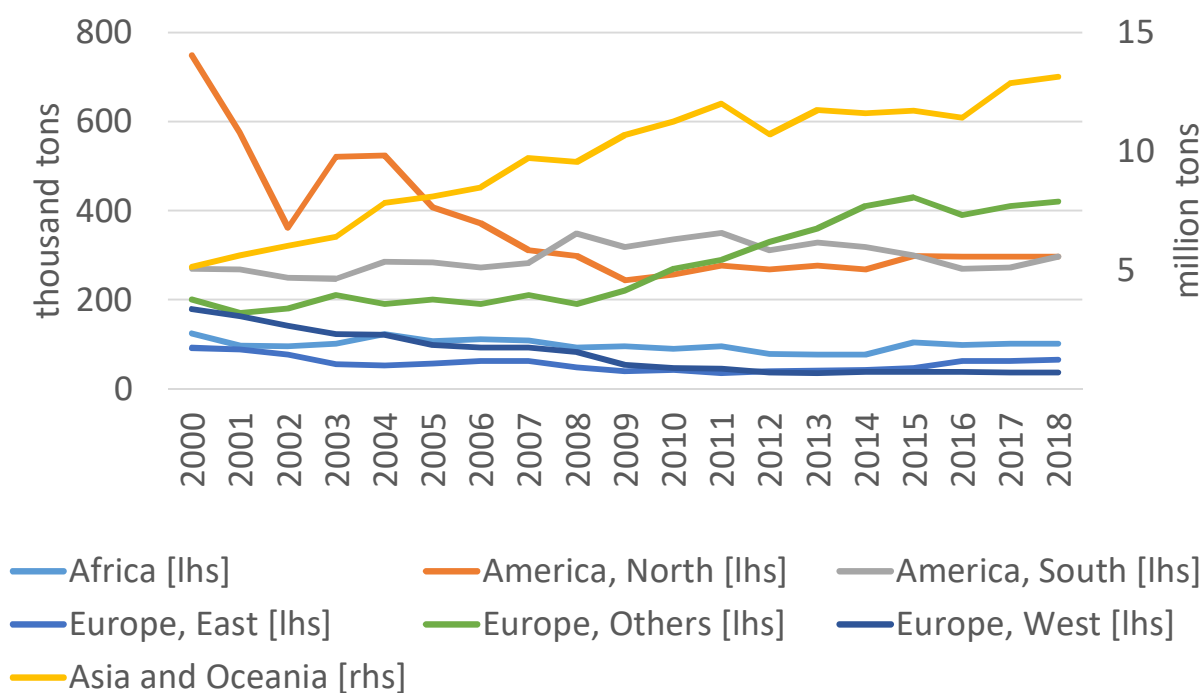


Fig 22: Synthetic Staple Fibres Consumption

2018 = 14 million tons



Raw Materials Consumption 2018

Table 3.1 : Summary (metric tons, per region)

Region	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Africa	18'560	400'510	101'530	520'600
America, North	128'110	1'272'880	296'500	1'697'490
America, South	32'900	998'660	297'340	1'328'900
Asia and Oceania	4'591'950	21'811'300	13'139'550	39'542'800
Europe, East	33'000	102'870	65'500	201'370
Europe, Others	200'000	1'520'000	420'000	2'140'000
Europe, West	46'290	133'580	37'130	217'000
World	5'050'810	26'239'800	14'357'550	45'648'160

Raw Materials Consumption 2018

Table 3.2 : Africa (metric tons, per country)

Region	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Algeria	200	2'000	8'800	11'000
Angola		1'000		1'000
Benin		4'000		4'000
Botswana		10	120	130
Burkina Faso		3'600		3'600
Burundi		1'000		1'000
Cameroon		1'900		1'900
Chad		1'000		1'000
Djibouti			500	500
Egypt	10'500	140'000	30'000	180'500
Eritrea			200	200
Ethiopia	130	44'700	1'200	46'030
Gambia			10	10
Ghana		1'300	400	1'700
Ivory Coast		2'000		2'000
Kenya	600	8'000	3'200	11'800
Lesotho		18'000		18'000
Madagascar		7'000	80	7'080
Malawi		1'000		1'000
Mali	200	3'700		3'900
Mauritius	1'800	24'400	2'600	28'800
Morocco	3'000	15'000	24'700	42'700
Mozambique	100	790	2'500	3'390
Niger		920		920
Nigeria	500	13'000	4'000	17'500
Senegal		740		740
South Africa	430	18'900	10'000	29'330
Sudan		18'100		18'100
Swaziland		1'000		1'000
Tanzania		43'300	1'300	44'600
Togo			400	400
Tunisia	1'000	11'900	10'000	22'900
Uganda	100	850		950
Zaire		6'900		6'900
Zambia		1'700	420	2'120
Zimbabwe		2'800	1'100	3'900
Africa	18'560	400'510	101'530	520'600

Raw Materials Consumption 2018

Table 3.3 : The Americas (metric tons, per country)

Region	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Canada	3'100	1'000	2'200	6'300
Costa Rica		6'000	600	6'600
Cuba	4'000	3'200	1'300	8'500
Dominican Rep.	10	950	200	1'160
El Salvador	1'000	33'600	2'000	36'600
Guatemala		27'500		27'500
Honduras			200	200
Mexico	7'000	463'000	170'000	640'000
Nicaragua		730		730
U.S.A.	113'000	736'900	120'000	969'900
America, North	128'110	1'272'880	296'500	1'697'490

Region	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Argentina	2'800	154'600	19'000	176'400
Bolivia		3'500	1'300	4'800
Brazil	14'000	720'000	199'800	933'800
Chile		50		50
Colombia	1'000	39'200	17'300	57'500
Ecuador	9'000	10'500	11'700	31'200
Paraguay		2'700		2'700
Peru	4'100	57'900	27'400	89'400
Uruguay	1'000	10	840	1'850
Venezuela	1'000	10'200	20'000	31'200
America, South	32'900	998'660	297'340	1'328'900

The Americas	161'010	2'271'540	593'840	3'026'390
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Raw Materials Consumption 2018

Table 3.4 : Asia and Oceania (metric tons, per country)

Region	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Afghanistan		4'100		4'100
Australia	1'400	5'900		7'300
Bahrain	240	15'000	1'300	16'540
Bangladesh	43'000	1'700'000	150'000	1'893'000
Cambodia			600	600
China	3'441'400	8'114'000	9'534'400	21'089'800
Chinese Taipei	45'800	164'500	92'500	302'800
India	290'000	5'475'000	1'000'000	6'765'000
Indonesia	420'000	736'600	720'000	1'876'600
Iran	30'000	150'000	290'000	470'000
Iraq		7'700	500	8'200
Japan	32'500	53'300	32'000	117'800
Jordan			4'400	4'400
Kazakhstan		12'600		12'600
Korea, P.R.		4'900		4'900
Korea, Rep.	18'900	200'000	21'900	240'800
Kuwait		110	1'500	1'610
Kyrgyzstan		960		960
Malaysia	3'100	65'000	44'000	112'100
Myanmar	1'500	207'000	1'500	210'000
New Zealand	100		12'800	12'900
Pakistan	158'000	2'450'000	500'000	3'108'000
Philippines	500	13'300	24'700	38'500
Qatar		1'000	700	1'700
Singapore		630	250	880
Sri Lanka	35'900	35'800	30'600	102'300
Syria		18'300		18'300
Tadzhikistan		14'200		14'200
Thailand	24'000	243'000	320'000	587'000
Turkmenistan		138'400		138'400
United Arab Emirates	10	1'000	10'500	11'510
Uzbekistan	1'000	479'000	12'000	492'000
Vietnam	44'600	1'500'000	333'400	1'878'000
Asia & Oceania	4'591'950	21'811'300	13'139'550	39'542'800

Raw Materials Consumption 2018

Table 3.5 : Europe (metric tons, per country)

Region	Cell. Fibres	Raw Cotton	Syn. Fibres	Total
Austria	9'700	2'800	1'500	14'000
Belgium	3'700	3'200	3'600	10'500
France	25'000	8'200	5'200	38'400
Germany	630	21'700	4'800	27'130
Greece	2'200	15'400	1'100	18'700
Ireland	10	180		190
Italy	500	33'500	12'000	46'000
Luxembourg			700	700
Malta			20	20
Netherlands		4'100		4'100
Portugal	3'400	38'500	410	42'310
Spain	750	4'000	7'700	12'450
Switzerland	400	1'000	100	1'500
United Kingdom		1'000		1'000
Europe, West	46'290	133'580	37'130	217'000

Region	Cel. Fibres	Raw Cotton	Syn. Fibres	Total
Armenia		220	300	520
Azerbaijan		18'700	800	19'500
Belarus	200	10'800	200	11'200
Bosnia And Herzegovina	1'800	2'000	2'100	5'900
Bulgaria	2'100	5'600	14'100	21'800
Croatia	7'000		4'700	11'700
Czech Republic	5'400	4'800	12'200	22'400
Estonia		2'000		2'000
Hungary	5'200	300	5'700	11'200
Latvia			100	100
Lithuania	200	1'000	1'000	2'200
Macedonia		1'000		1'000
Moldova		2'100	500	2'600
Poland	1'300	2'500	1'800	5'600
Romania	100	1'000	3'000	4'100
Russia	2'000	41'000	5'000	48'000
Slovakia	200	150	800	1'150
Slovenia	2'500	1'200	3'200	6'900
Ukraine	5'000	1'700	10'000	16'700
Yugoslavia (Ex-)		6'800		6'800
Europe, East	33000	102870	65500	201370

Region	Cel. Fibres	Raw Cotton	Syn. Fibres	Total
Turkey	200'000	1'520'000	420'000	2'140'000
Europe, Other	200'000	1'520'000	420'000	2'140'000
Europe	279'290	1'756'450	522'630	2'558'370