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INTERNATIONAL TEXTILE INDUSTRY STATISTICS

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



INTERNATIONAL TEXTILE INDUSTRY STATISTICS

Vol. 66/2023

International Textile Industry Statistics (formerly called International Cotton Industry Statistics) presents data on the productive capacity (spindles, rotors, air-jets, 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, other publicly available sources, internal estimates, and expert discussions.

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:

- The data collection on shuttle looms has been discontinued due to their declining significance in global textile manufacturing.
- Time series have been modified as part of an on-going revision.
- **A detailed explanation of the adjustments applied to the installed capacity published in the Vol. 65/2022 is available at our secretariat.**
- Do not calculate annual growth in the year 2023 based on the data published in the Vol. 65/2022.
- Please contact secretariat@itmf.org if you need the updated time series.
- These figures are estimates.

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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@itmf.org
Web: www.itmf.org

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Spinning Machinery Summary

Fig 1: Global Ring Spindle Capacities

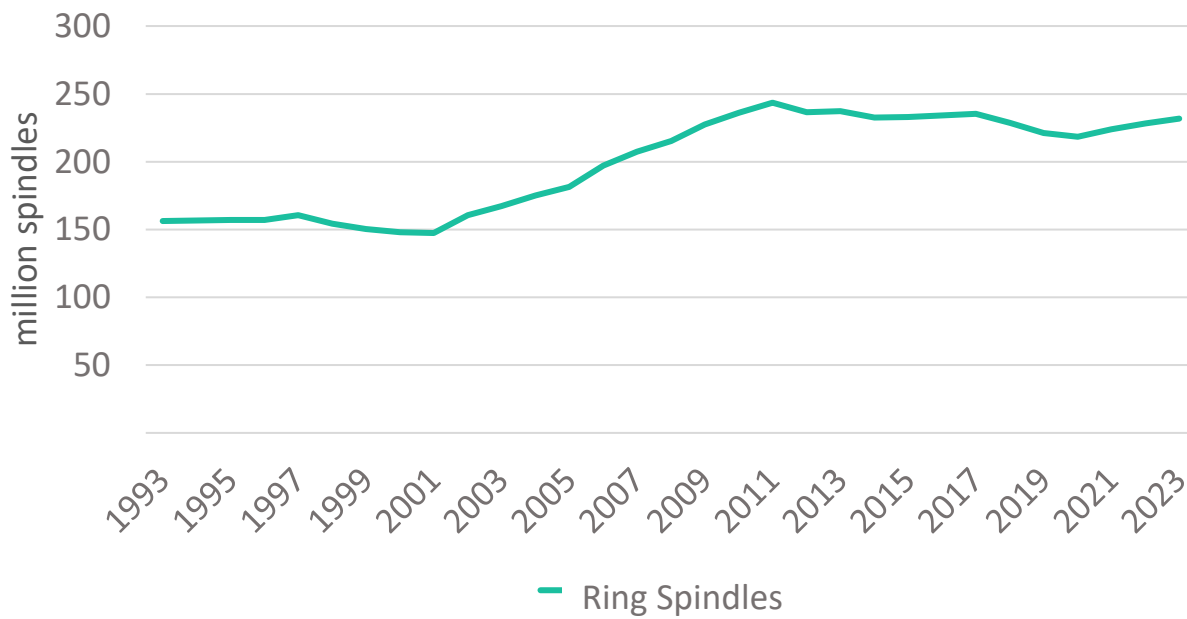
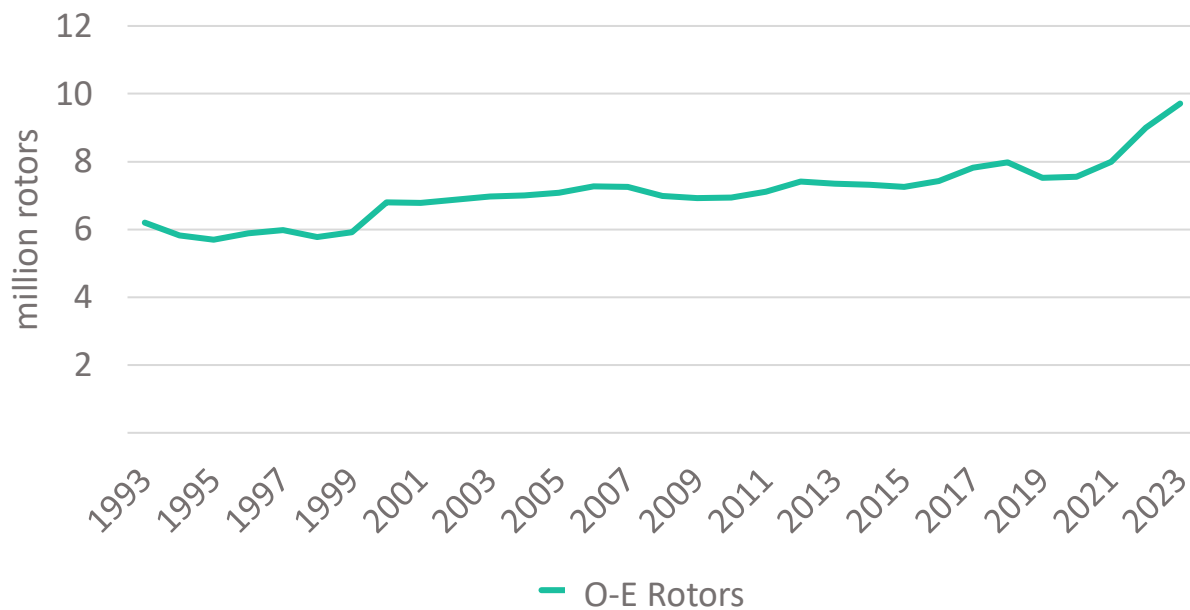
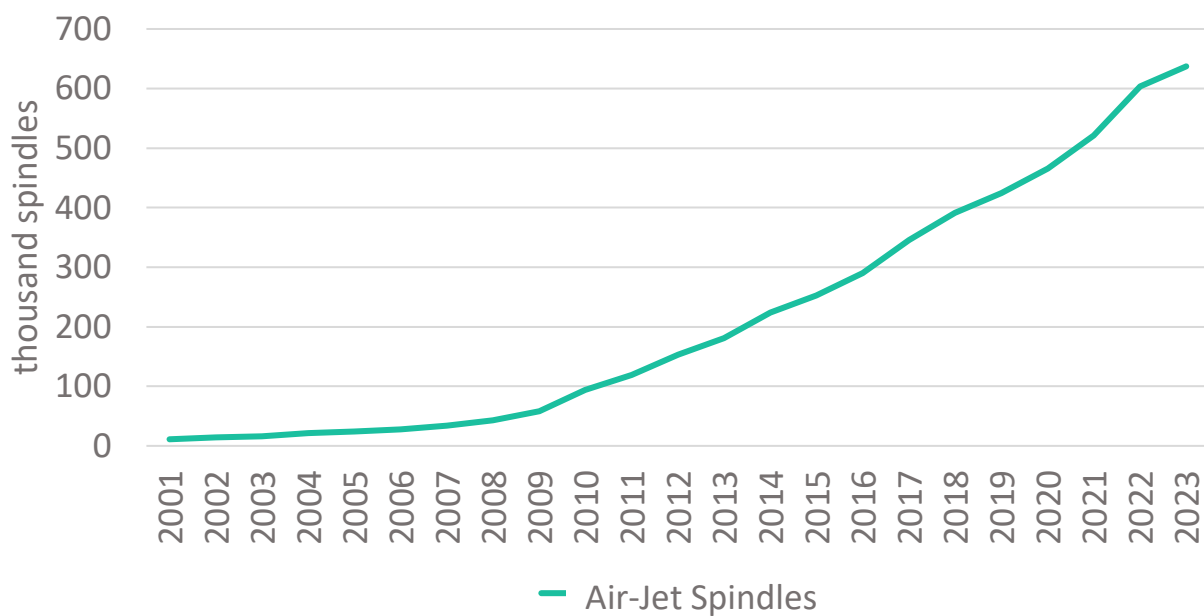


Fig 2: Global Open-End Rotor Capacities



Spinning Machinery Summary

Fig 3: Global Air-Jet Spindle Capacities



Spinning Machinery Installed Short-Staple Spindles

Fig 4: Installed Short-Staple Spindles

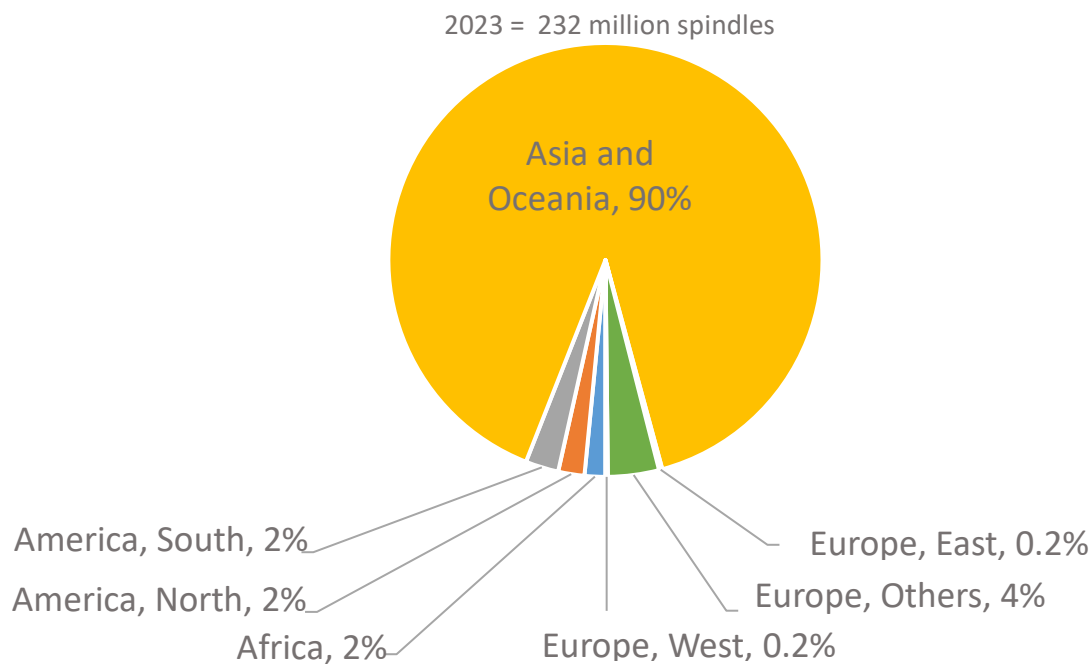
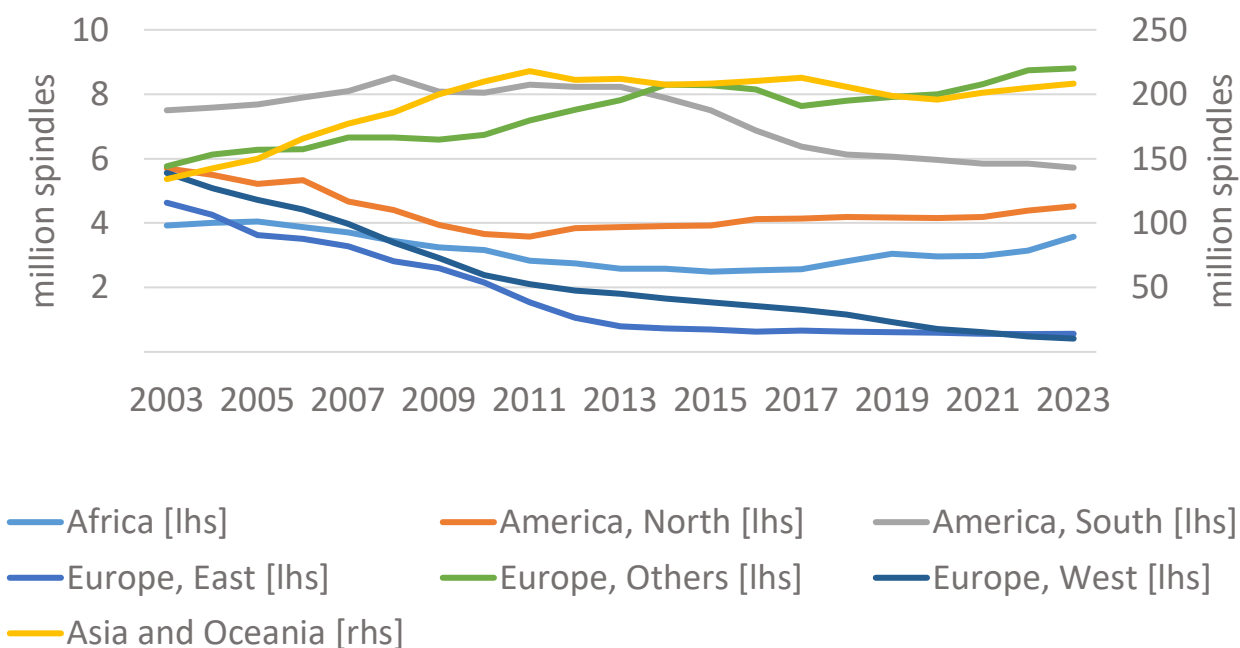


Fig 5: Installed Short-Staple Ring Spindle Capacities

2023 = 232 million spindles



Spinning Machinery Installed Open-End Rotors

Fig 6: Installed Open-End Rotors

2023 = 9.7 million rotors

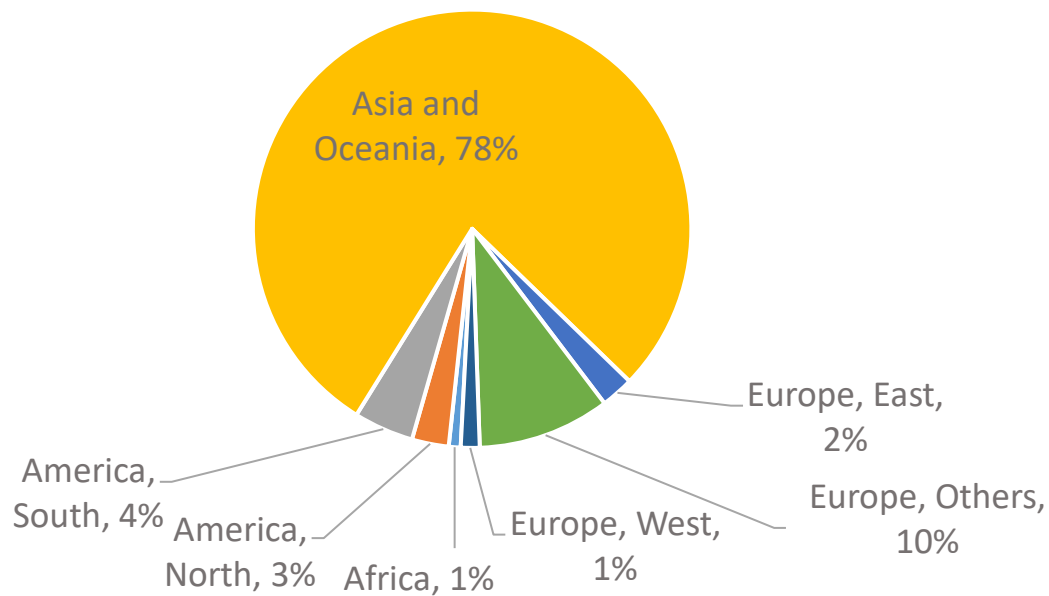
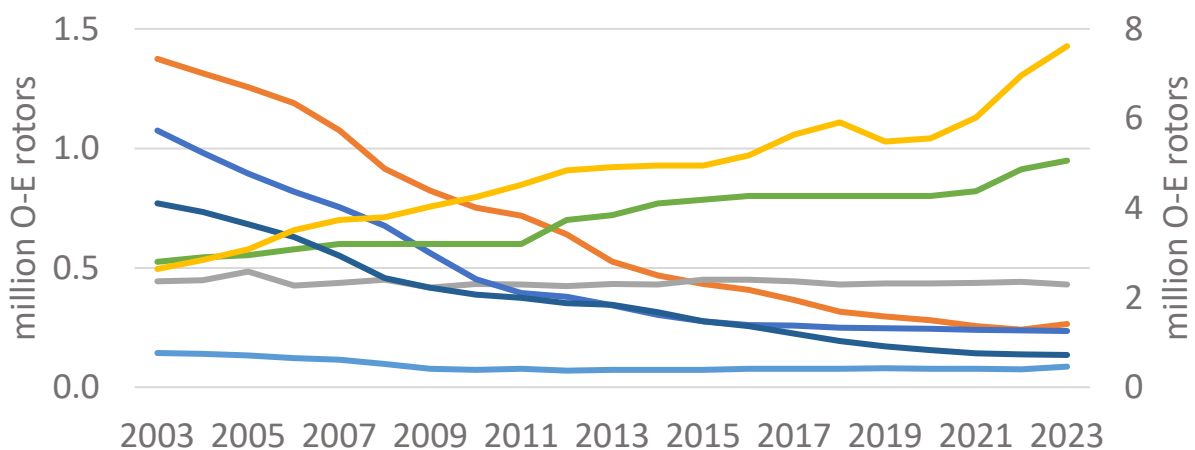


Fig 7: Installed Open-End Rotor Capacities

2023 = 9.7 million rotors



- Africa [lhs]
- America, North [lhs]
- America, South [lhs]
- Europe, East [lhs]
- Europe, Others [lhs]
- Europe, West [lhs]
- Asia and Oceania [rhs]

Spinning Machinery Installed Air-Jet Spindles

Fig 8: Installed Air-Jet Spindles

2023 = 637 thousand spindles

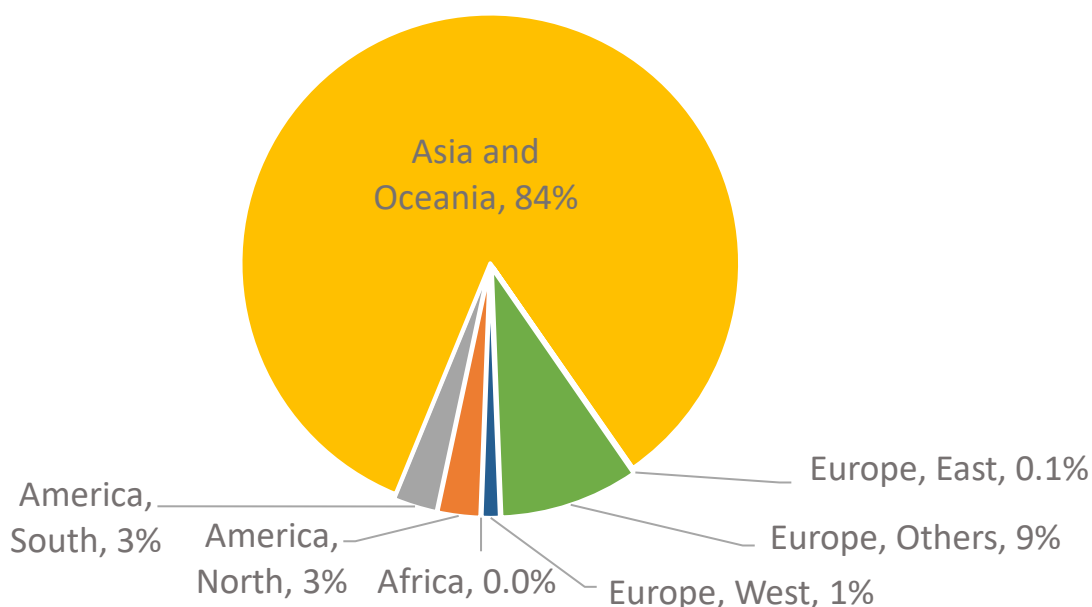
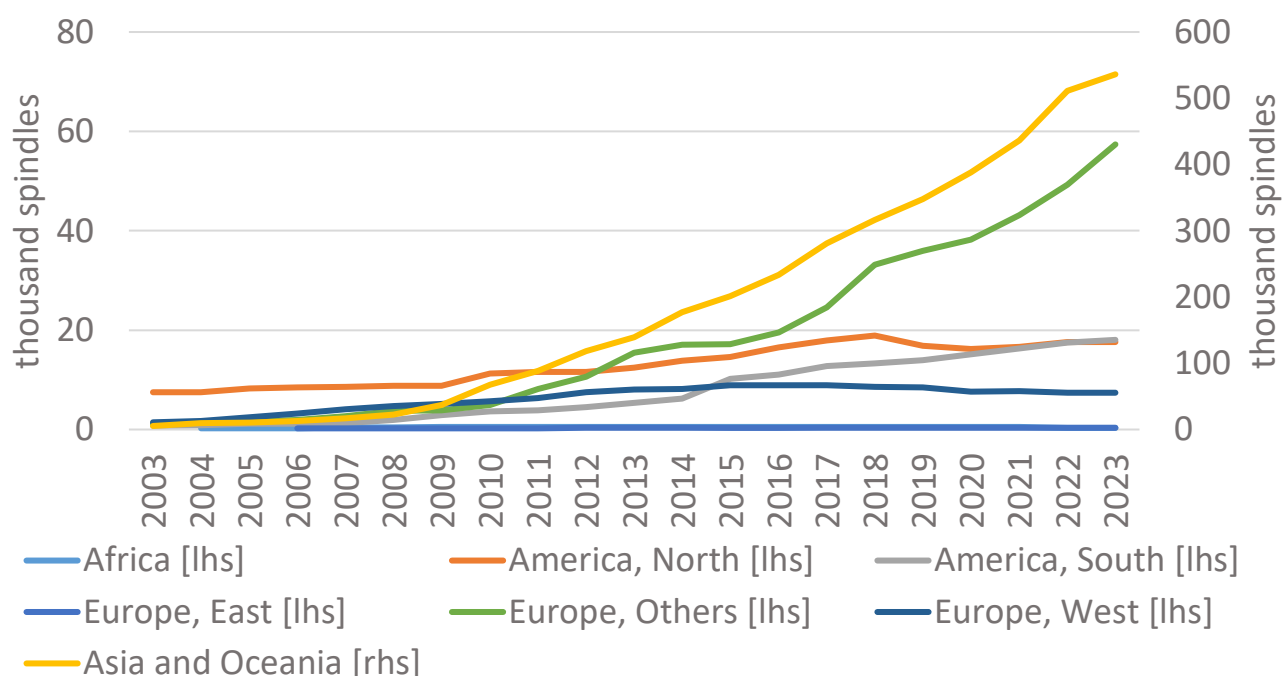


Fig 9: Installed Air-Jet Spindles Capacities

2023 = 637 thousand spindles



Spinning Machinery 2023

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

Region	Air-Jet Spindles	Rotors	Short-Staple Spindles
Africa	280	85'130	3'582'870
America, North	17'580	264'040	4'525'850
America, South	18'040	429'400	5'719'820
Asia and Oceania	536'120	7'614'360	208'060'930
Europe, East	350	235'290	562'270
Europe, Others	57'380	948'550	8'803'250
Europe, West	7'450	134'990	411'940
World	637'200	9'711'760	231'666'930

Spinning Machinery 2023

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

Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Algeria		2'700	191'960
Angola		400	108'750
Benin		8'450	99'710
Burkina Faso		3'600	10'310
Cameroon		1'990	35'000
Djibouti		1'240	22'580
Egypt		12'520	1'715'920
Ethiopia		2'090	328'630
Ghana		230	73'370
Ivory Coast		3'000	10'000
Kenya		720	81'700
Lesotho		3'520	68'920
Madagascar		2'360	50'870
Malawi			60'390
Mauritius	280	820	113'340
Morocco		18'940	305'470
Mozambique			10'000
Nigeria		3'780	25'620
South Africa		8'600	60'000
Sudan			21'580
Tanzania		5'600	26'690
Tunisia		780	60'120
Uganda		490	34'300
Zimbabwe		3'300	67'640
Africa	280	85'130	3'582'870

Spinning Machinery 2023

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

Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Canada	150	1'620	63'760
Costa Rica			120'070
Cuba		760	6'000
El Salvador	50	4'140	303'860
Guatemala		3'520	524'900
Honduras	380	9'640	299'110
Mexico	380	35'340	2'395'000
Nicaragua	340	2'940	113'150
U.S.A.	16'280	206'080	700'000
America, North	17'580	264'040	4'525'850

Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Argentina	2'940	41'220	346'000
Bolivia		3'580	22'750
Brazil	14'810	369'280	4'052'930
Chile		1'630	20'290
Colombia		9'440	50'780
Ecuador		3'040	170'470
Peru	290	90	582'740
Venezuela		1'120	473'860
America, South	18'040	429'400	5'719'820

The Americas	35'620	693'440	10'245'670
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Spinning Machinery 2023

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

Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Afghanistan			14'040
Australia	1'050		
Bahrain		480	28'040
Bangladesh	14'910	325'150	16'220'020
Brunei Darussalam		560	
Cambodia		4'280	9'590
China	370'830	4'400'000	85'000'000
Chinese Taipei	1'000	53'610	460'540
Hong Kong, China	210	10'900	6'150
India	80'610	1'213'170	57'818'660
Indonesia	22'880	127'320	11'502'000
Iran	1'980	204'220	2'680'000
Iraq		940	70'000
Israel			2'250
Japan		10'000	769'000
Jordan		90	15'040
Kazakhstan		21'260	116'060
Korea, P.R.		400	33'190
Korea, Rep.	1'890	6'620	356'790
Kyrgyzstan			17'500
Lao Peoples Dem. Rep.			480
Malaysia	7'370	40'120	514'510
Myanmar		4'900	540'520
Nepal	680	1'020	96'040
Oman		3'530	
Pakistan	15'160	310'610	13'995'770
Philippines		13'920	656'810
Saudi Arabia			10'260
Singapore	30	5'960	
Sri Lanka	600	120	12'690
Syria		27'070	261'410
Tadzhikistan		34'210	125'110
Thailand	5'950	22'160	1'657'180
Turkmenistan		40'320	366'290
United Arab Emirates		10'200	103'840
Uzbekistan	1'540	411'420	4'770'700
Vietnam	9'430	309'800	9'830'450
Asia & Oceania	536'120	7'614'360	208'060'930

Spinning Machinery 2023

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

Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Austria	2'340	14'450	13'620
Belgium		9'230	
France	1'300	3'890	17'690
Germany	1'530	8'000	14'690
Greece	230	1'610	80'940
Italy	1'060	31'280	32'270
Netherlands		300	
Portugal	310	33'580	151'000
Spain	340	31'580	93'570
Switzerland	340	1'070	680
U.K.			7'480
Europe, West	7'450	134'990	411'940

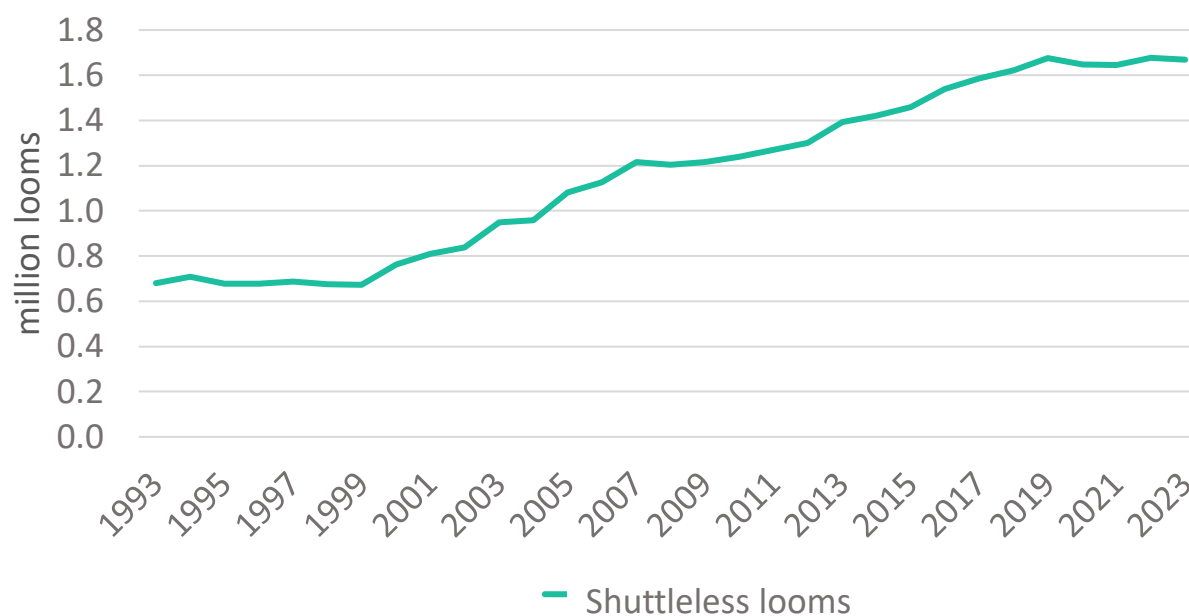
Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Albania			55'830
Armenia		7'260	3'920
Azerbaijan		23'850	119'020
Belarus		19'500	26'460
Bulgaria		36'730	46'240
Croatia	120	410	27'510
Czech Republic	230	3'430	9'210
Estonia		27'380	63'210
Hungary		9'810	13'200
Latvia		9'180	27'400
Lithuania		8'500	23'370
Moldova		6'100	63'210
Poland		410	13'640
Romania		1'510	10'000
Russia		66'410	18'170
Slovakia		9'250	13'190
Slovenia			27'050
Ukraine		5'560	1'640
Europe, East	350	235'290	562'270

Country	Air-Jet Spindles	Rotors	Short-Staple Spindles
Türkiye	57'380	948'550	8'803'250
Europe, Other	57'380	948'550	8'803'250

Europe	65'180	1'318'830	9'777'460
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Weaving Machinery Summary

Fig 10: Global Shuttleless Looms Capacities



Weaving Machinery Installed Shuttleless Looms

Fig 12: Installed Shuttleless Looms

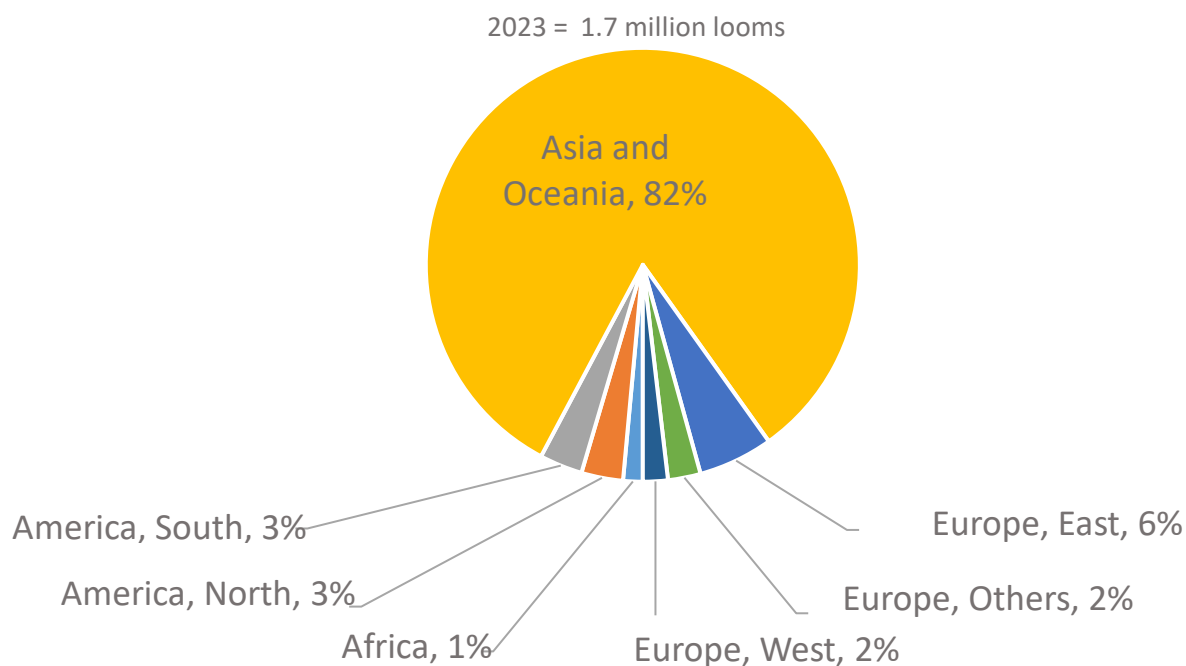
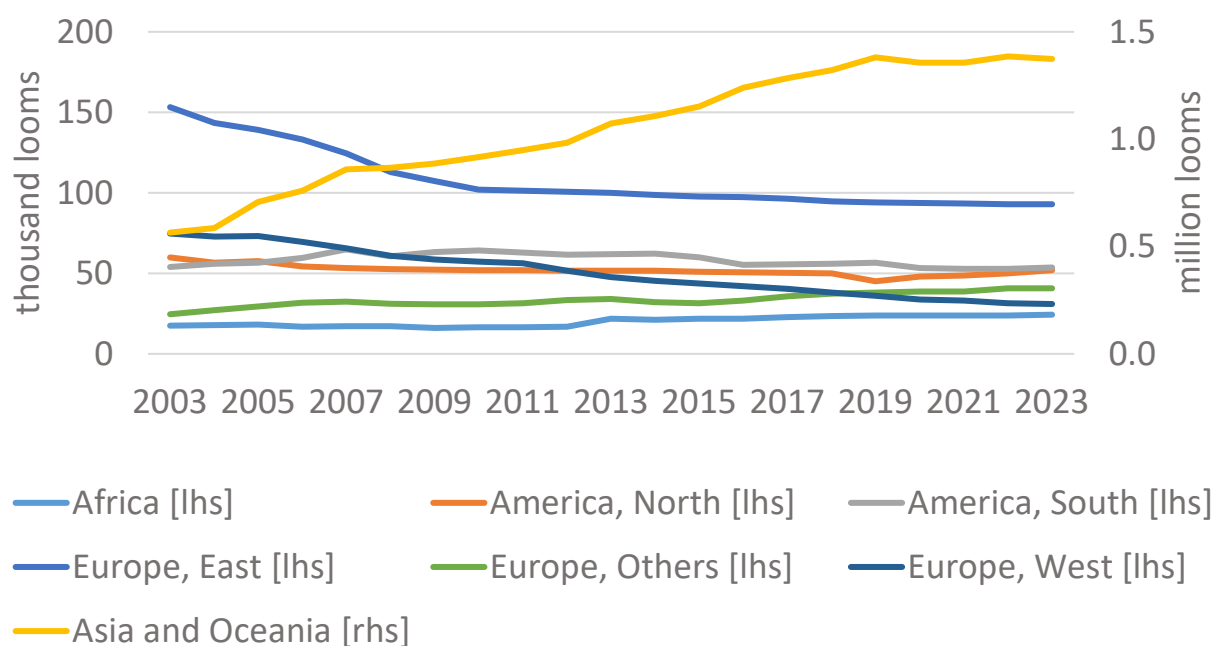


Fig 13: Installed Shuttleless Looms



Weaving Machinery 2023

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

Region	Shuttleless Looms
Africa	24'340
America, North	51'840
America, South	53'480
Asia and Oceania	1'373'790
Europe, East	92'930
Europe, Others	40'590
Europe, West	30'960
World	1'667'930

Weaving Machinery 2023

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

Country	Shuttleless Looms
Algeria	3'100
Angola	300
Cameroon	200
Djibouti	560
Egypt	6'820
Ethiopia	2'200
Ghana	320
Ivory Coast	60
Kenya	700
Lesotho	70
Libya	470
Madagascar	90
Malawi	70
Mauritius	600
Morocco	3'160
Mozambique	180
Nigeria	3'490
South Africa	450
Sudan	390
Tanzania	150
Tunisia	260
Uganda	190
Zimbabwe	510
Africa	24'340

Weaving Machinery 2023

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

Country	Shuttleless Looms
Canada	3'000
Costa Rica	100
Cuba	4'000
El Salvador	200
Guatemala	890
Honduras	150
Mexico	34'540
Nicaragua	360
U.S.A.	8'600
America, North	51'840

Country	Shuttleless Looms
Argentina	6'500
Bolivia	100
Brazil	37'580
Chile	800
Colombia	4'000
Ecuador	600
Peru	1'400
Venezuela	2'500
America, South	53'480

The Americas	105'320
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Weaving Machinery 2023

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

Country	Shuttleless Looms
Afghanistan	90
Australia	850
Bahrain	550
Bangladesh	81'950
Brunei Darussalam	10
Cambodia	200
China	780'000
Chinese Taipei	17'170
Hong Kong, China	8'000
India	242'040
Indonesia	46'000
Iran	26'800
Iraq	2'000
Israel	650
Japan	10'650
Jordan	100
Kazakhstan	680
Korea, P.R.	890
Korea, Rep.	8'770
Kuwait	70
Kyrgyzstan	1'600
Lebanon	60
Malaysia	7'660
Mongolia	30
Myanmar	1'180
Nepal	680
New Zealand	60
Oman	10
Pakistan	44'400
Philippines	2'720
Qatar	40
Saudi Arabia	3'060
Singapore	440
Sri Lanka	9'390
Syria	1'400
Tadzhikistan	3'900
Thailand	13'690
Turkmenistan	1'350
United Arab Emirates	1'670
Uzbekistan	27'780
Vietnam	25'200
Asia & Oceania	1'373'790

Weaving Machinery 2023

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

Country	Shuttleless Looms
Austria	500
Belgium	3'700
Denmark	50
France	2'000
Germany	2'360
Greece	60
Ireland	140
Italy	5'700
Netherlands	1'200
Norway	100
Portugal	9'000
Spain	2'200
Sweden	350
Switzerland	600
U.K.	3'000
Europe, West	30'960

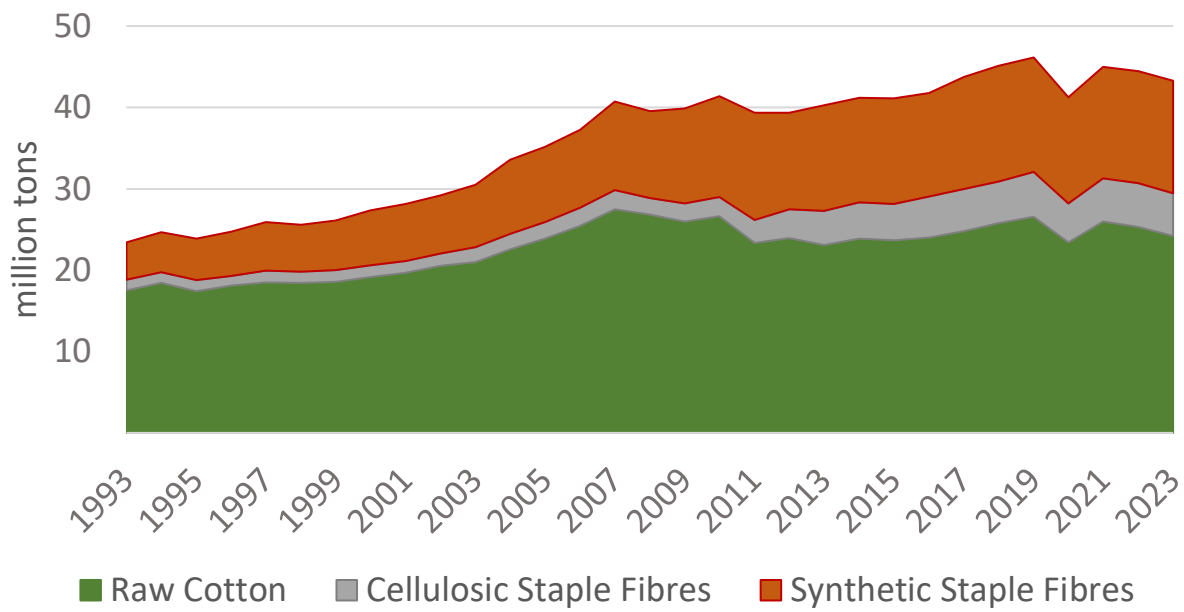
Country	Shuttleless Looms
Albania	90
Armenia	5'000
Azerbaijan	3'000
Belarus	1'600
Bulgaria	6'000
Croatia	100
Czech Republic	4'400
Estonia	2'500
Hungary	240
Latvia	280
Lithuania	2'100
Moldova	1'900
Poland	960
Romania	2'000
Russia	55'900
Serbia	210
Slovakia	140
Slovenia	110
Ukraine	6'400
Europe, East	92930

Country	Shuttleless Looms
Türkiye	40'590
Europe, Other	40'590

Europe	164'480
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Raw Materials Consumption Summary

Fig 16: Global Consumption of Raw Materials



Raw Materials Consumption

Raw Cotton

Fig 17: Cotton Consumption

2023 = 24 million tons

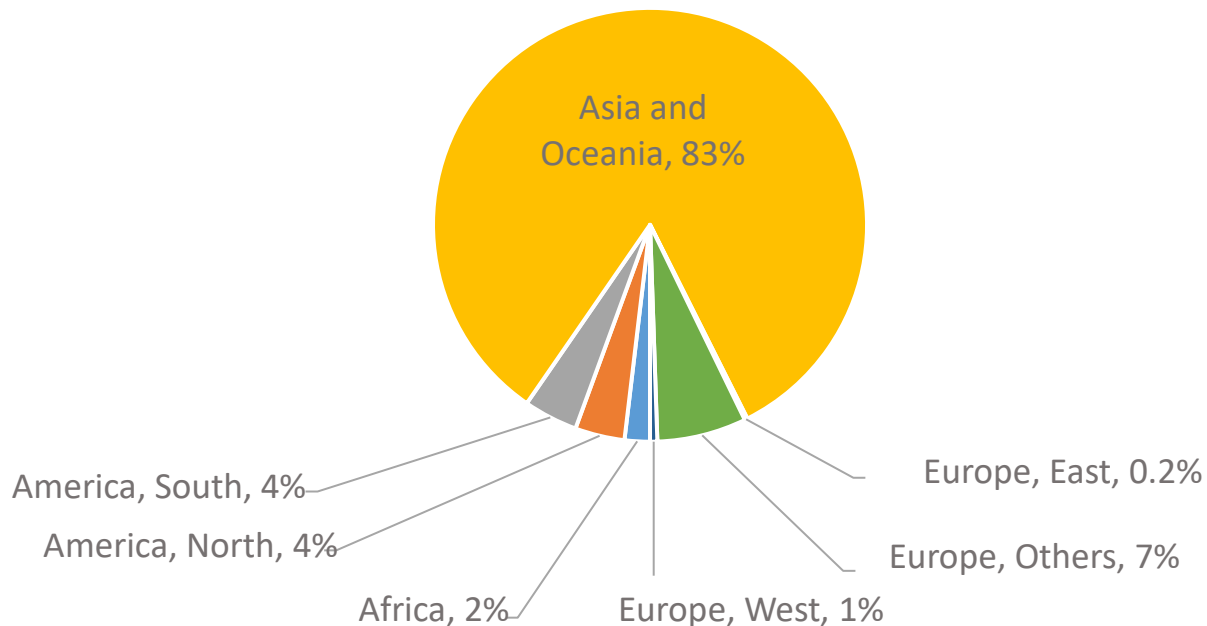
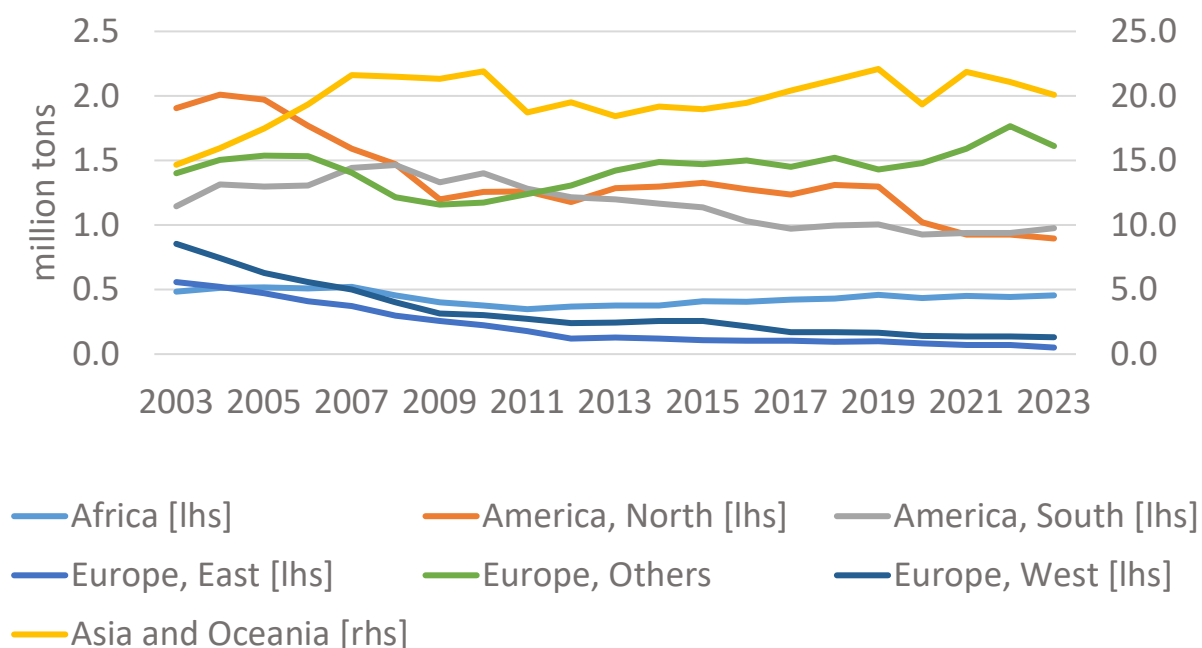


Fig 18: Cotton Consumption

2023 = 24 million tons



Raw Materials Consumption Cellulosic Staple Fibres

Fig 19: Cellulosic Staple Fibre Consumption

2023 = 5.2 million tons

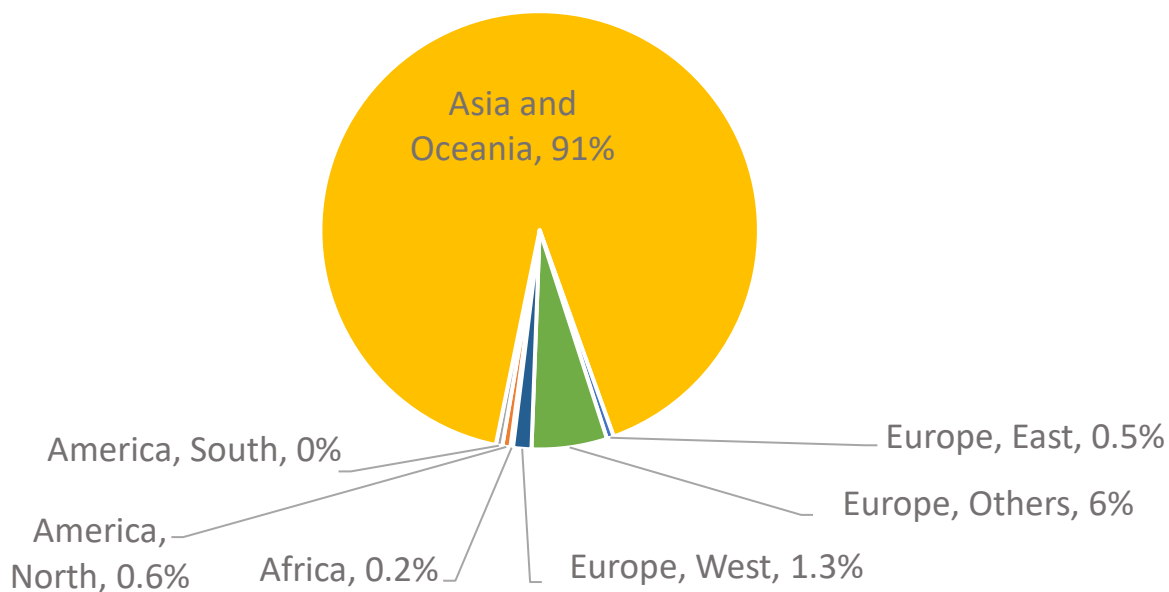
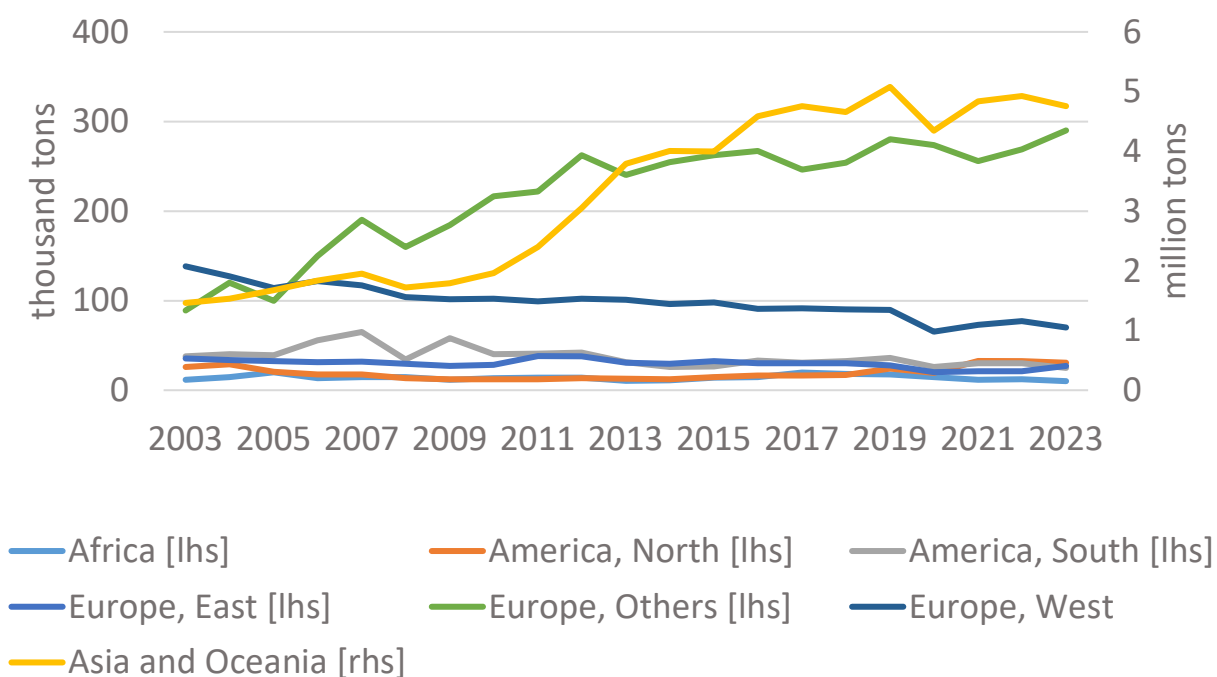


Fig 20: Cellulosic Staple Fibre Consumption

2023 = 5.2 million tons



Raw Materials Consumption Synthetic Staple Fibres

Fig 21: Synthetic Staple Fibres Consumption

2023 = 14 million tons

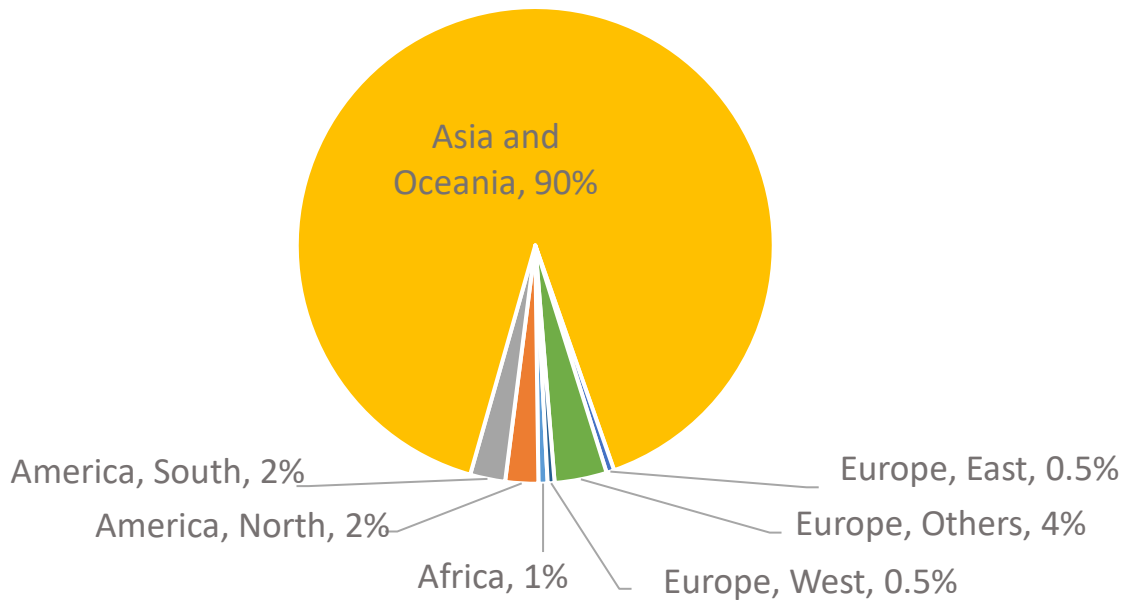
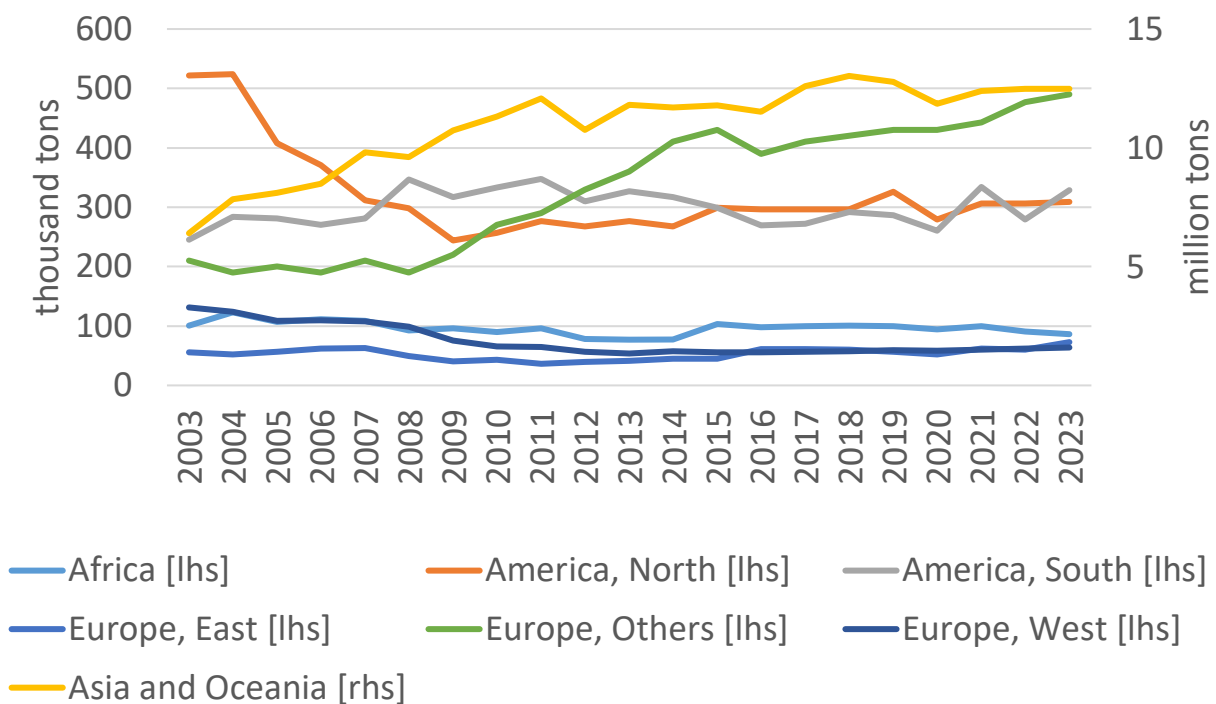


Fig 22: Synthetic Staple Fibres Consumption

2023 = 14 million tons



Raw Materials Consumption 2023

Table 3.1 : Summary (metric tons, per region)

Region	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Africa	10'120	456'310	86'020	552'450
America, North	30'940	895'610	308'880	1'235'430
America, South	24'890	976'300	328'960	1'330'150
Asia and Oceania	4'758'200	20'091'930	12'478'400	37'328'530
Europe, East	26'970	50'740	72'840	150'550
Europe, Others	290'000	1'612'000	490'000	2'392'000
Europe, West	70'200	130'600	64'040	264'840
World	5'211'320	24'213'490	13'829'140	43'253'950

Raw Materials Consumption 2023

Table 3.2 : Africa (metric tons, per country)

Country	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Algeria	200	14'110	8'800	23'110
Angola	120	580	1'000	1'700
Benin		2'350		2'350
Burkina Faso	240	5'320	220	5'780
Cameroon		2'780		2'780
Djibouti			500	500
Egypt	6'000	109'010	25'000	140'010
Ethiopia	20	114'380	7'360	121'760
Ghana		1'280	400	1'680
Ivory Coast		3'010		3'010
Kenya	180	9'830	3'270	13'280
Lesotho		10'140		10'140
Madagascar	10	5'100	80	5'190
Malawi		1'000		1'000
Mauritius	240	22'000	440	22'680
Morocco	1'500	6'570	19'670	27'740
Mozambique	10	1'300	1'500	2'810
Nigeria	70	53'000	5'000	58'070
South Africa	460	19'200	6'000	25'660
Sudan		17'960		17'960
Tanzania		45'220	1'300	46'520
Tunisia	970	5'040	3'860	9'870
Uganda	50	4'320		4'370
Zimbabwe	50	2'810	1'620	4'480
Africa	10'120	456'310	86'020	552'450

Raw Materials Consumption 2023

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

Country	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Canada	1'270	150	2'500	3'920
Costa Rica	640	11'260		11'900
Cuba	4'000	3'170	1'300	8'470
El Salvador	710	27'750	4'770	33'230
Guatemala	250	28'250		28'500
Honduras		20'450	310	20'760
Mexico	20'000	325'580	200'000	545'580
Nicaragua	70	29'000		29'070
U.S.A.	4'000	450'000	100'000	554'000
America, North	30'940	895'610	308'880	1'235'430

Country	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Argentina	1'750	160'210	18'270	180'230
Bolivia	20	3'300	2'500	5'820
Brazil	18'700	710'000	234'400	963'100
Chile	60	440	1'100	1'600
Colombia	530	27'490	21'010	49'030
Ecuador	1'070	8'750	9'180	19'000
Peru	1'760	56'880	22'500	81'140
Venezuela	1'000	9'230	20'000	30'230
America, South	24'890	976'300	328'960	1'330'150

The Americas	55'830	1'871'910	637'840	2'565'580
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Raw Materials Consumption 2023

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

Country	Cellulosic Staple Fibres	Raw Cotton	Synthetic Staple Fibres	Total
Afghanistan		4'070		4'070
Australia	1'230	2'510	480	4'220
Bahrain	460	8'360	1'860	10'680
Bangladesh	112'000	1'600'000	57'000	1'769'000
Brunei Darussalam	10			10
Cambodia	520	340	200	1'060
China	3'132'190	7'850'000	7'862'910	18'845'100
Chinese Taipei	24'600	77'350	20'850	122'800
Hong Kong, China	530	46'500	440	47'470
India	765'650	5'100'000	1'605'000	7'470'650
Indonesia	450'000	366'720	800'000	1'616'720
Iran	37'000	160'000	780'000	977'000
Iraq		7'950	500	8'450
Japan	27'970	37'080	44'000	109'050
Jordan	10		5'060	5'070
Kazakhstan		13'420	5'590	19'010
Korea, P.R.		22'040		22'040
Korea, Rep.	7'880	73'780	4'200	85'860
Kuwait		90		90
Kyrgyzstan		2'020		2'020
Lebanon		60	1'970	2'030
Malaysia	340	161'990	30'000	192'330
Mongolia		10		10
Myanmar	810	144'270	5'720	150'800
Nepal		4'890		4'890
Oman	50	10'000	1'070	11'120
Pakistan	140'700	2'061'730	420'000	2'622'430
Philippines	100	7'050	3'000	10'150
Qatar		10		10
Saudi Arabia	230	200	290	720
Singapore		70	230	300
Sri Lanka		30'000	6'000	36'000
Syria		7'600		7'600
Tadzhikistan		21'940		21'940
Thailand	10'000	156'880	250'000	416'880
Turkmenistan		141'970		141'970
United Arab Emirates	100	500	5'340	5'940
Uzbekistan	1'000	600'000	110'000	711'000
Vietnam	44'820	1'370'530	456'690	1'872'040
Asia & Oceania	4'758'200	20'091'930	12'478'400	37'328'530

Raw Materials Consumption 2023

Table 3.5 : Europe (metric tons, per country)

Country	Cell. Fibres	Raw Cotton	Syn. Fibres	Total
Austria	4'860	1'860	530	7'250
Belgium	3'260	4'160	1'120	8'540
France	10'030	6'930	7'000	23'960
Germany	810	14'580	5'000	20'390
Greece	2'490	16'080	3'390	21'960
Ireland		170		170
Italy	500	22'850	12'000	35'350
Netherlands		1'010		1'010
Portugal	3'170	30'400	500	34'070
Spain	45'000	32'000	34'000	111'000
Switzerland	80	440	500	1'020
U.K.		120		120
Europe, West	70'200	130'600	64'040	264'840

Country	Cel. Fibres	Raw Cotton	Syn. Fibres	Total
Armenia	50	210	1'420	1'680
Azerbaijan	20	8'680	3'300	12'000
Belarus	230	2'040	70	2'340
Bulgaria	1'680	2'250	17'440	21'370
Croatia	4'630	80	2'230	6'940
Czech Republic	4'590	2'030	16'040	22'660
Estonia		3'290		3'290
Hungary	4'000	100	1'400	5'500
Latvia	200	1'080	60	1'340
Lithuania	430	390	1'000	1'820
Moldova	10	7'570	750	8'330
Poland	7'640	3'600	5'000	16'240
Romania	920	100	1'040	2'060
Russia	140	16'170	7'000	23'310
Slovakia	230	1'270	1'200	2'700
Slovenia	1'830	1'420	3'200	6'450
Ukraine	370	460	11'690	12'520
Europe, East	26'970	50'740	72'840	150'550

Total

Country	Cel. Fibres	Raw Cotton	Syn. Fibres	
Türkiye	290'000	1'612'000	490'000	2'392'000
Europe, Other	290'000	1'612'000	490'000	2'392'000
Europe	387'170	1'793'340	626'880	2'807'390