

Volume 40/2017
(Revised edition)



INTERNATIONAL TEXTILE MACHINERY SHIPMENT STATISTICS

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



International Textile Machinery Shipment Statistics

Vol. 40/2017

International Textile Machinery Shipment Statistics has been compiled with the cooperation of over 200 manufacturers of spinning, drawtexturing, weaving, knitting and finishing machinery. This number entails the Chinese companies included in the so-called "Districts". The 2017 coverage for each of these segments is virtually complete, with the continuation of comprehensive Mainland Chinese participation. In the context of this publication, the term shipment refers to machinery produced by the participating manufacturers (for both the domestic market and export) which were physically shipped during the year under review. This should not be confused with sales or installations.

The actual number of short- and long-staple ring spindles, open-end rotors, and shuttle-less looms (the latter divided into rapier/projectile, air-jet and water-jet), which were shipped by the participating manufacturers during 2017 to the countries listed, are shown alongside 2016 year-end capacity figures and cumulative shipments over the last 10 years in sections 1 and 3, respectively. In regard to drawtexturing spindles, circular and flat knitting machinery (sections 2, 4 and 5), cumulative shipment data are available, but not installed capacities. For finishing machinery (section 6) no cumulative data are presented either. Volume 40 of the International Textile Machinery Shipment Statistics represents the 44th year of the statistical series. It was first published in 1974 (then entitled International Cotton Industry Statistics Supplement).

Reading notes:

As the questionnaire on the finishing segment was revised in 2015, it is not possible to compare the results to previous years. Blank cells in the tables represent zero unit. The region called "Not specified (World w/o China)" entails shipments to an unknown destination which is not China.

June 2018, updated version of the report published in May 2018.

Note: The shipment statistics for the year 2017 for the categories "Spinning Machines", "Weaving Machines", and "Finishing Machines" have been revised due to additional data and information received since initial publication.

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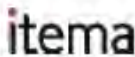
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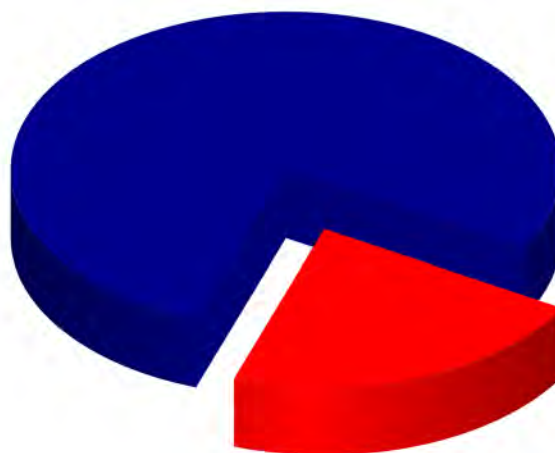


1 Spinning Machines

Country	Company	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	(All Chinese Manufacturers)	x	x	x	x	x	x	x	x	x	x
	Rieter Textile Systems	x	x	x	x	x	x	x	x	x	x
	Saurer China	x	x	x	x	x	x	x	x	x	x
Chinese Taipei	Sun Mien	x	x	x	x	x	x	x	x	-	x
Czech Rep.	Rieter CZ	x	x	x	x	x	x	x	x	x	x
Germany	Rieter Ingolstadt	x	x	x	x	x	x	x	x	x	x
	Saurer Schlafhorst	x	x	x	x	x	x	x	x	x	x
	Saurer Zinser	x	x	x	x	x	x	x	x	x	x
India	KTTM	x	x	x	x	x	x	x	x	x	x
	Lakshmi Machine Works	x	x	x	x	x	x	x	x	x	x
Italy	Bigagli	x	-	-	x	x	x	-	x	x	x
	Cognetex	x	x	x	x	x	-	-	-	-	-
	DM Engineering (Delpiano)	x	x	-	-	-	-	-	-	-	-
	Gaudino	x	x	x	x	x	x	x	x	x	x
	Marzoli	x	x	x	x	x	x	x	x	x	x
	Savio	x	x	x	x	x	x	x	x	x	x
Japan	Toyota	x	x	x	x	x	x	x	x	x	x
Switzerland	Rieter Machine Works	x	x	x	x	x	x	x	x	x	x

1 Spinning Machines

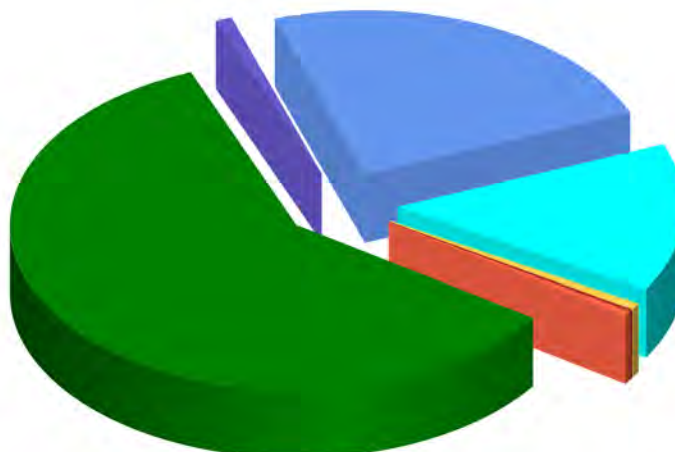
Long-Staple - Shipments



China 22.0% World w/o China 78.0%

Shipments 2017

Total World: 165'316



Africa 0.6% America, South 0.5% Europe, East 0.9% Europe, West 14.5% Not specified 0.0%

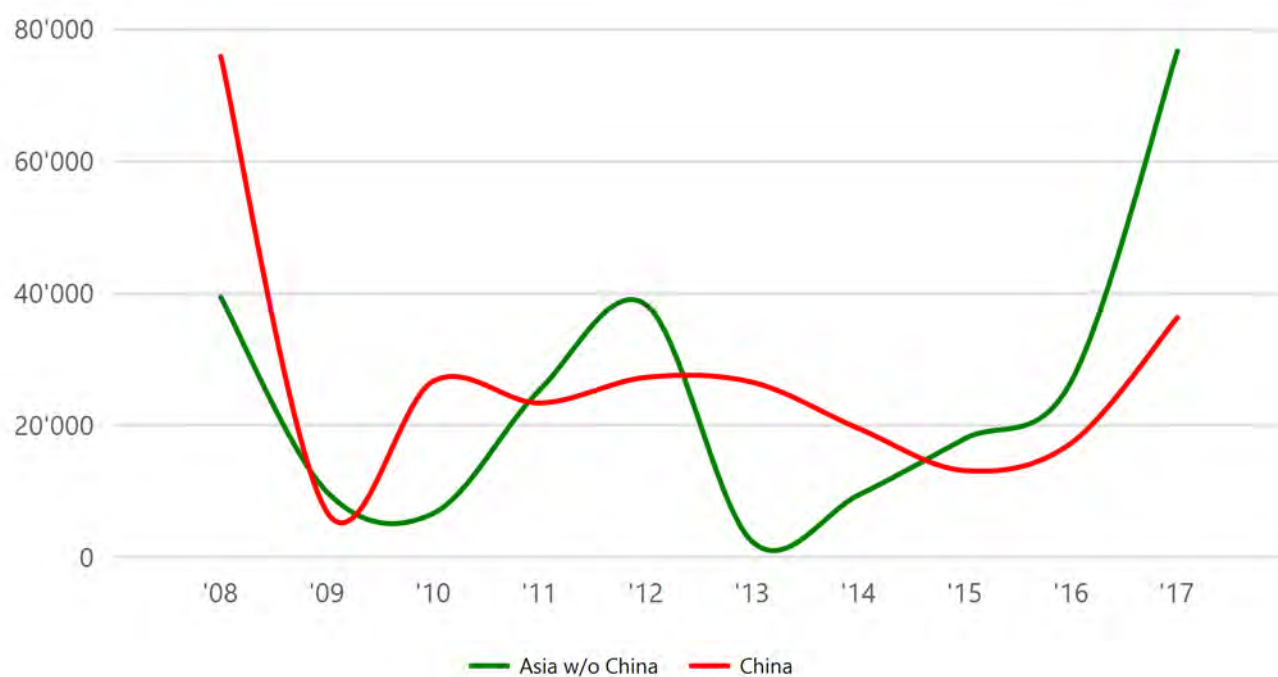
America, North 0.2% Asia w/o China 59.5% Europe, Others 23.9%

Shipments 2017

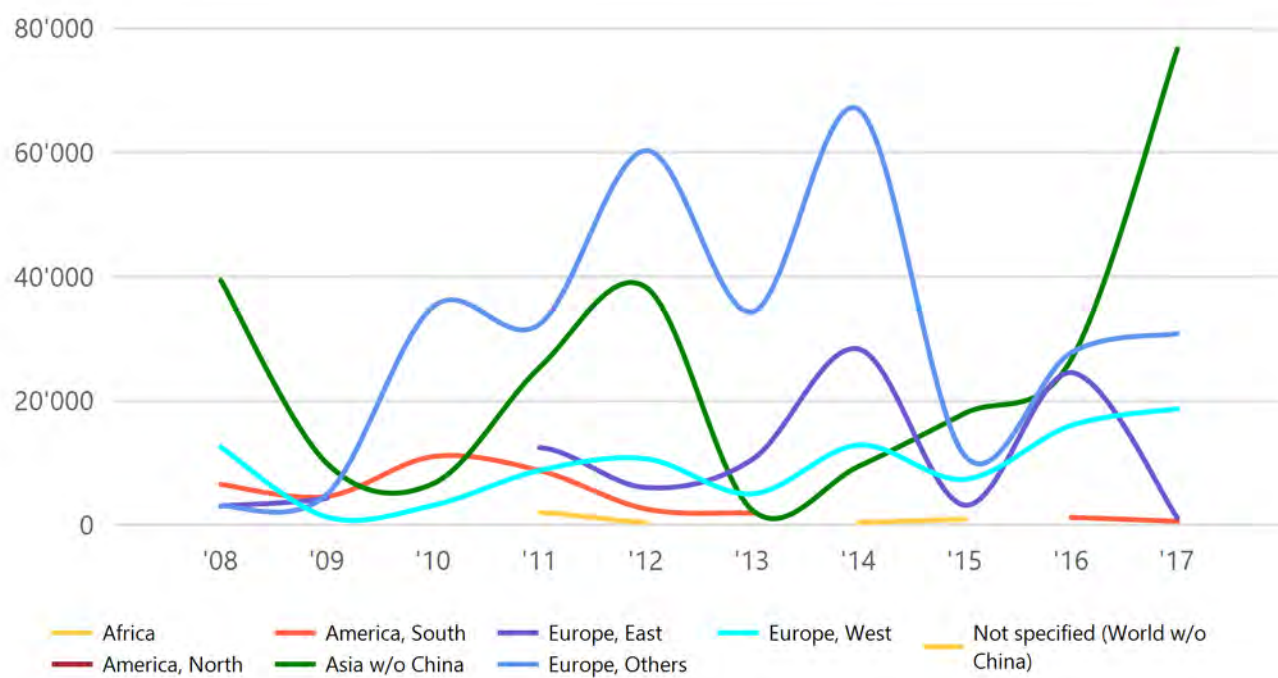
Total World without China: 128'976

1 Spinning Machines

Long-Staple - Shipments



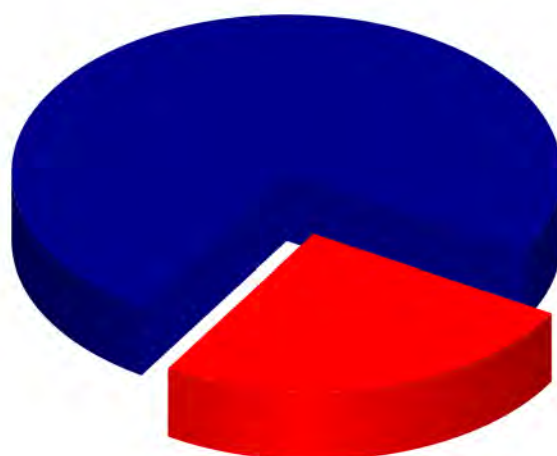
Shipments 2008 - 2017



Shipments 2008 - 2017

1 Spinning Machines

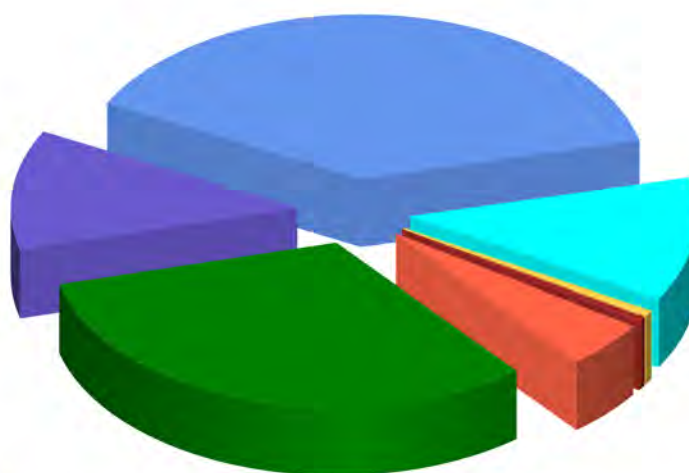
Long-Staple - Cumulative Shipments



China 25.5% World w/o China 74.5%

Cumulative Shipments 2008 - 2017

Total World: 1'069'726



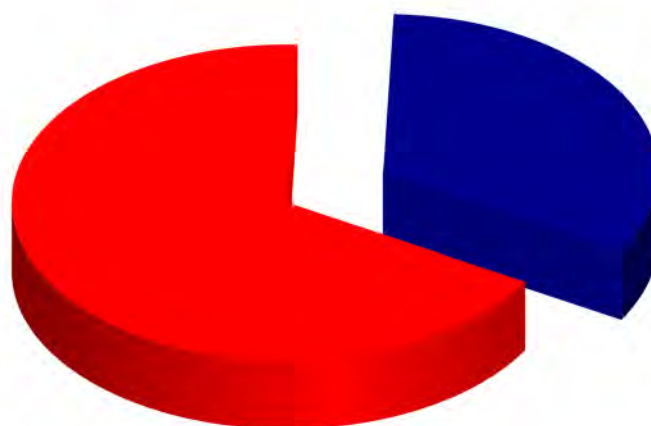
Africa 0.6% America, South 4.7% Europe, East 11.8% Europe, West 12.1% Not specified 0.0%
America, North 0.6% Asia w/o China 31.7% Europe, Others 38.5%

Cumulative Shipments 2008 - 2017

Total World without China: 796'638

1 Spinning Machines

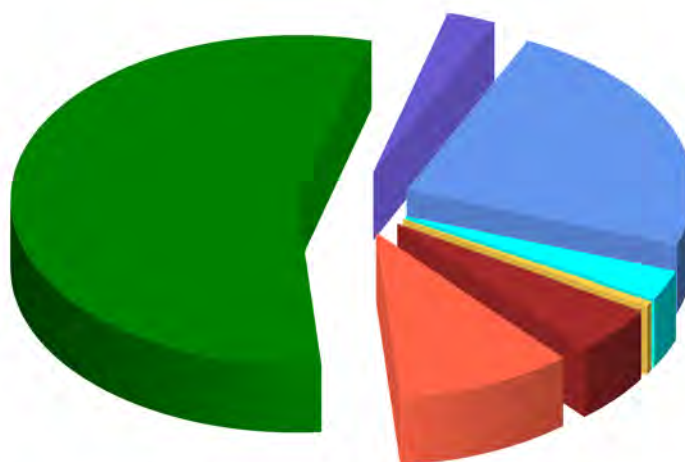
Rotors - Shipments



China 67.3% World w/o China 32.7%

Shipments 2017

Total World: 638'096



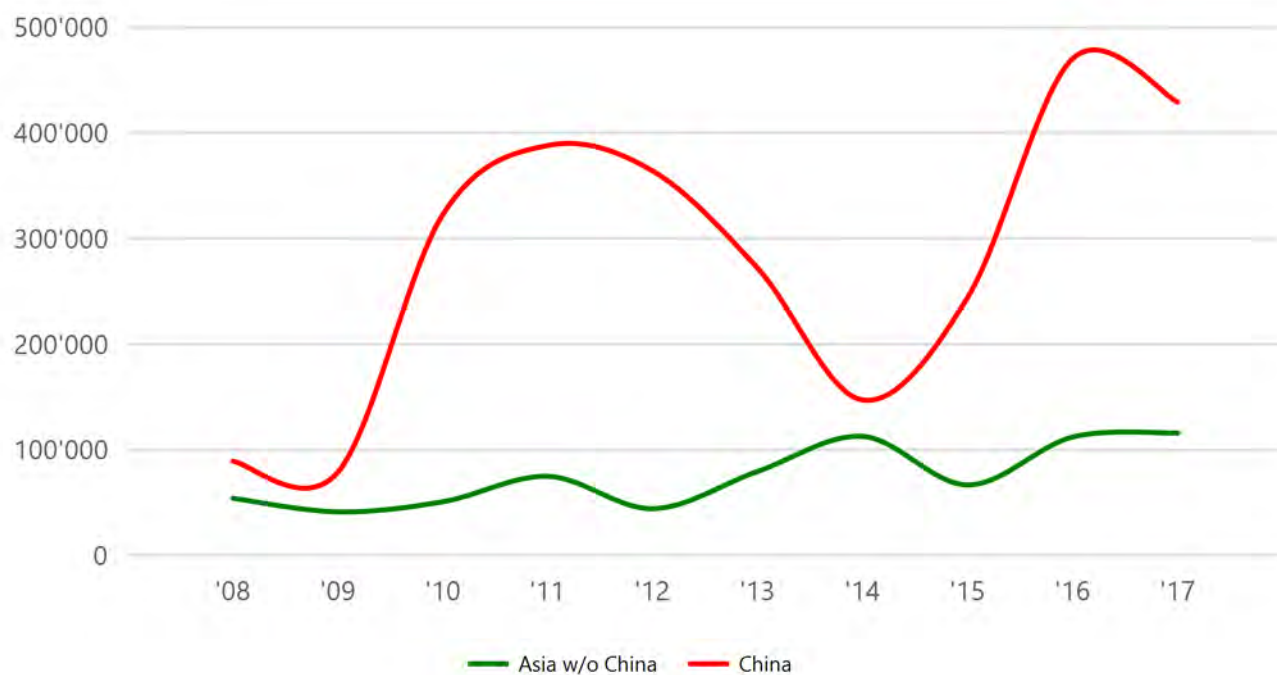
Africa 0.5% America, South 10.0% Europe, East 2.7% Europe, West 2.9% Not specified 0.0%
America, North 4.9% Asia w/o China 55.5% Europe, Others 23.5%

Shipments 2017

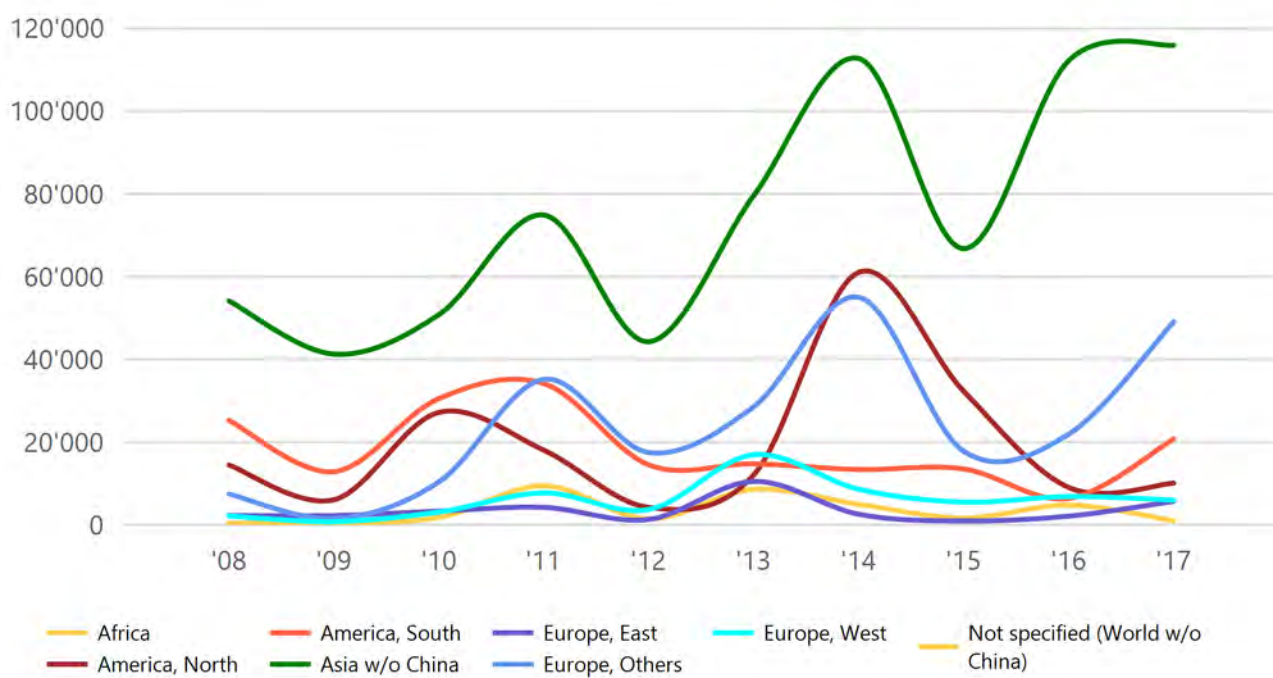
Total World without China: 208'808

1 Spinning Machines

Rotors - Shipments



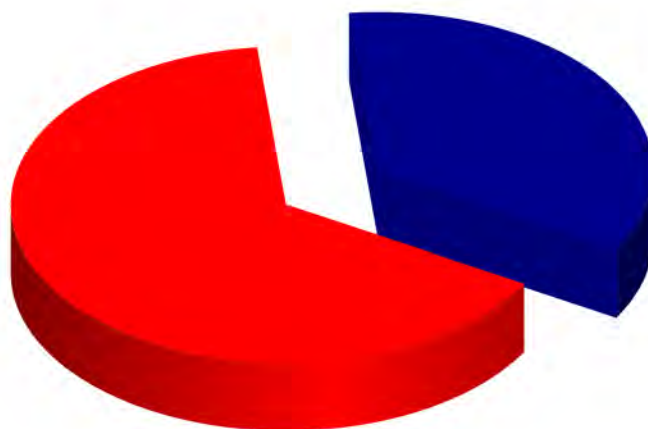
Shipments 2008 - 2017



Shipments 2008 - 2017

1 Spinning Machines

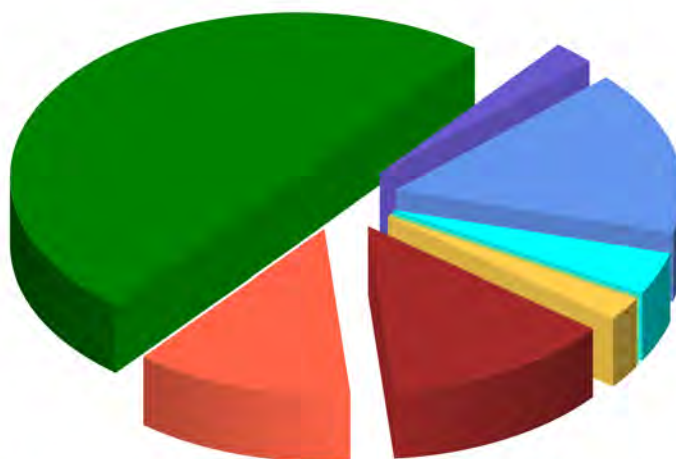
Rotors - Cumulative Shipments



China 65.0% World w/o China 35.0%

Cumulative Shipments 2008 - 2017

Total World: 4'318'484



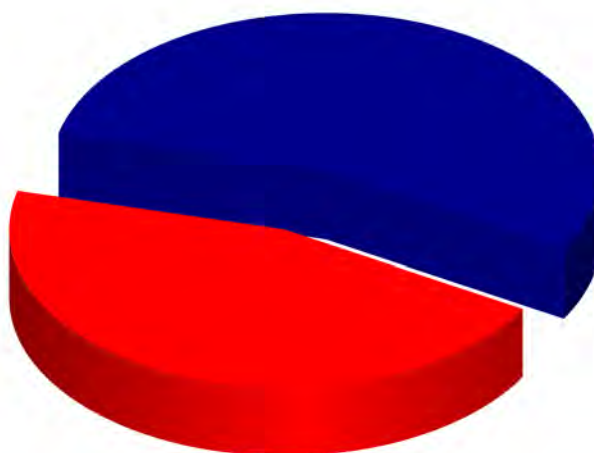
Africa 2.3% America, South 12.3% Europe, East 2.4% Europe, West 4.1% Not specified 0.0%
America, North 12.9% Asia w/o China 49.8% Europe, Others 16.2%

Cumulative Shipments 2008 - 2017

Total World without China: 1'511'658

1 Spinning Machines

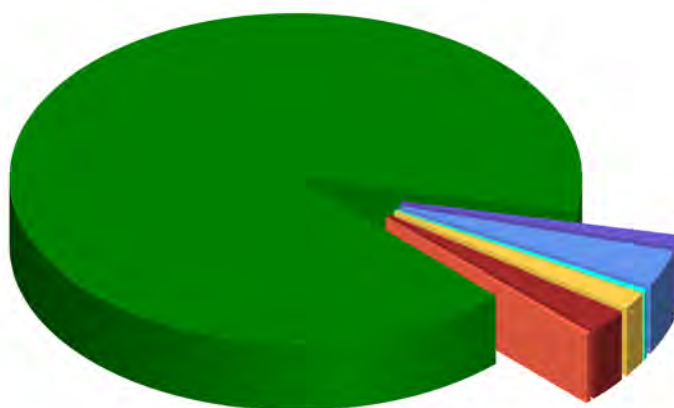
Short-Staple - Shipments



China 45.6% World w/o China 54.4%

Shipments 2017

Total World: 8'551'333



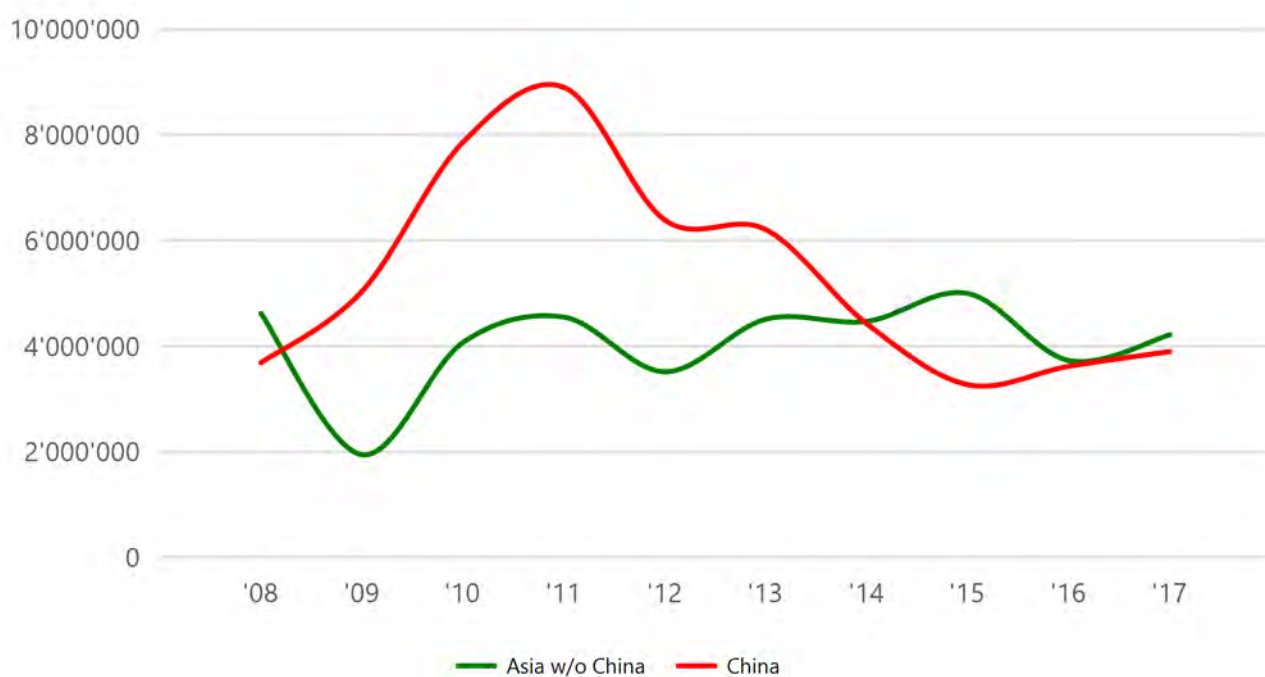
Africa 1.6% America, South 0.3% Europe, East 1.1% Europe, West 0.3% Not specified 0.0%
America, North 2.4% Asia w/o China 90.6% Europe, Others 3.6%

Shipments 2017

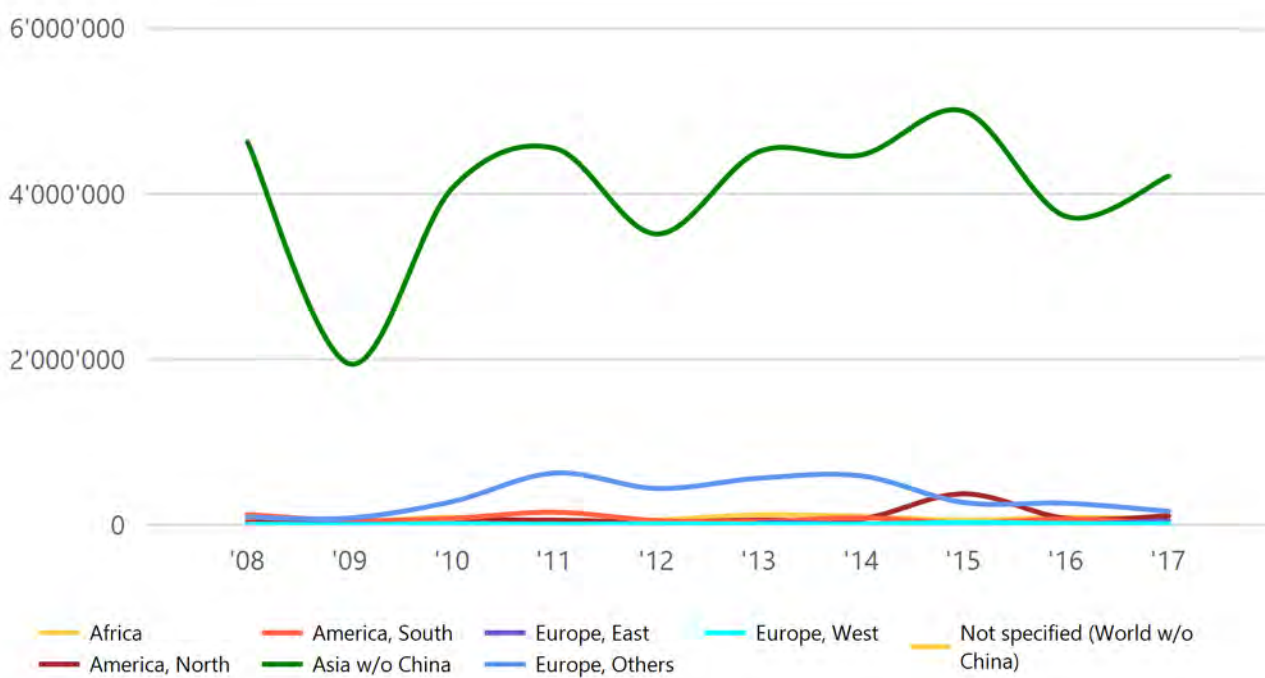
Total World without China: 4'652'133

1 Spinning Machines

Short-Staple - Shipments



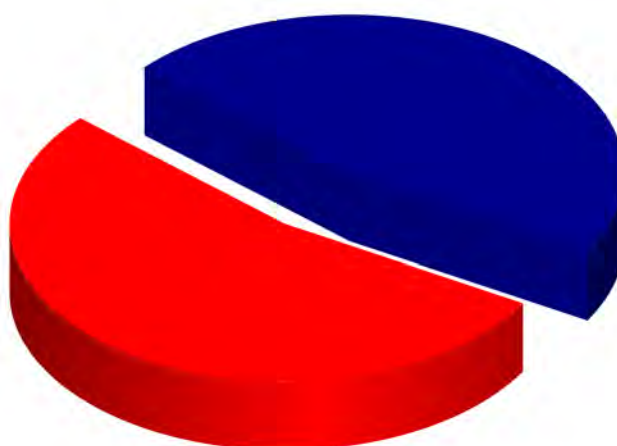
Shipments 2008 - 2017



Shipments 2008 - 2017

1 Spinning Machines

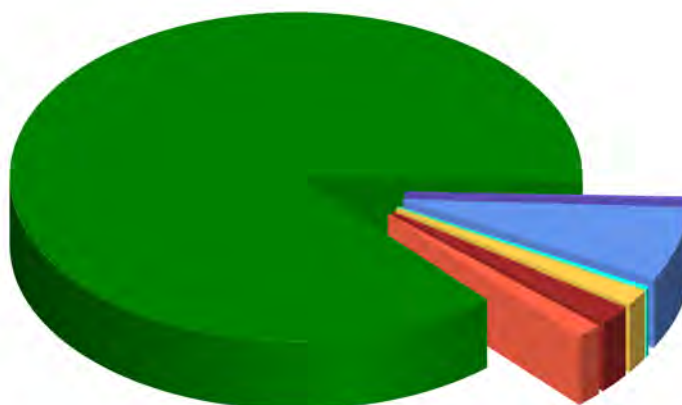
Short-Staple - Cumulative Shipments



China 53.3% World w/o China 46.7%

Cumulative Shipments 2008 - 2017

Total World: 99'965'226



Africa 1.5% America, South 1.5% Europe, East 0.3% Europe, West 0.3% Not specified 0.0%
America, North 2.0% Asia w/o China 87.1% Europe, Others 7.3%

Cumulative Shipments 2008 - 2017

Total World without China: 46'657'458

1 Spinning Machines

Table 1.1

Continents (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Africa	151'048	256'570	3'466'620	35'018	4'512	712'132	1'040	720	76'132
America, North	407'318	908'000	3'988'177	194'948	4'576	925'943	10'128	208	111'375
America, South	538'711	701'000	7'360'403	186'518	37'312	715'002	20'808	600	15'792
Asia and Oceania	5'114'912	6'654'160	210'040'975	3'559'704	526'000	93'947'015	545'232	113'060	8'115'226
Europe, East	276'740	1'294'340	1'158'796	35'622	93'796	130'500	5'736	1'176	50'796
Europe, Others	800'000	775'370	7'900'000	244'810	306'952	3'396'602	49'108	30'816	166'876
Europe, West	138'776	4'172'000	1'025'560	61'864	96'578	138'032	6'044	18'736	15'136
World	7'427'505	14'761'440	234'940'531	4'318'484	1'069'726	99'965'226	638'096	165'316	8'551'333

Table 1.2

Africa (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Algeria	6'000	15'000	300'000	2'700		153'112			28'216
Angola	400		110'000	400		81'600			
Benin	6'000		40'000						
Botswana	1'500		15'000						
Burkina Faso			7'000	1'920					
Cameroon	2'000	1'000	35'000	2'160					
Chad			18'000						
Djibouti				402		22'680			22'680
Egypt	6'968	98'000	864'000	1'960		346'044	760		18'492
Eritrea			5'500						
Ethiopia	19'000	1'000	293'852	7'548		27'600			
Ghana			20'000						
Ivory Coast	3'000		40'000						
Kenya	1'524	4'000	53'160	432		11'088			
Lesotho	3'456		71'208						
Madagascar	1'300	8'570	20'000						
Malawi			40'000						
Mali			20'000						
Mauritius	800	1'000	88'000	500		3'600			
Morocco	40'000	52'000	250'000	5'472	2'016	25'440			5'520
Mozambique			10'000						
Niger			14'000						
Nigeria	12'000	3'000	290'000	600		1'080			
Senegal			25'000						
South Africa	7'000	60'000	60'000	5'060	2'496	4'776	280	720	1'224
Sudan	20'000		180'000			21'600			
Swaziland			34'000						
Tanzania		3'000	280'000	5'600		6'120			
Togo			5'000						
Tunisia	6'500	4'000	140'400	264		4'800			
Uganda	1'200		25'000						
Zaire	2'500		32'500						
Zambia	2'500	3'000	30'000						
Zimbabwe	7'400	3'000	50'000			2'592			
Africa	151'048	256'570	3'466'620	35'018	4'512	712'132	1'040	720	76'132

1 Spinning Machines

Table 1.3

America, North (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Canada	16'800	50'000	100'300		720				
Costa Rica			44'000			34'272			
Cuba	1'000		180'000	1'680			720		
Dominican Rep.	1'400		20'000						
El Salvador	3'000		250'000	4'284		68'448			5'280
Guatemala	21'000	3'000	150'000	336	208	38'160		208	
Honduras						6'048			
Mexico	61'118	227'000	2'348'877	38'728	2'208	363'507	8'592		46'275
Nicaragua			25'000						
U.S.A.	303'000	628'000	870'000	149'920	1'440	415'508	816		59'820
America, North	407'318	908'000	3'988'177	194'948	4'576	925'943	10'128	208	111'375

Table 1.4

America, South (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Argentina	60'000	260'000	1'200'000	22'216		66'960	3'932		2'016
Bolivia	2'500	7'000	30'000		3'240				
Brazil	399'711	200'000	4'470'903	156'214	10'120	554'718	16'780		13'776
Chile	2'000	17'000	160'000		912				
Colombia	15'000	37'000	230'000		1'176	10'416		120	
Ecuador	12'000	35'000	150'000	2'688	13'416	19'200	96		
Paraguay			12'000						
Peru	18'000	70'000	700'000	944	8'448	63'708		480	
Uruguay	4'500	60'000	27'500						
Venezuela	25'000	15'000	380'000	4'456					
America, South	538'711	701'000	7'360'403	186'518	37'312	715'002	20'808	600	15'792

Table 1.5

Asia and Oceania (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Afghanistan						14'040			
Australia	3'000	58'000	1'800						
Bahrain	500		46'000			25'200			
Bangladesh	257'000	15'000	11'650'000	64'878		4'515'882	4'992		510'050
Brunei Darussalam				560					
Cambodia				1'120					
China	2'850'000	3'623'000	100'000'000	2'806'826	273'088	53'307'768	429'288	36'340	3'899'200
Chinese Taipei	66'140	250'000	1'252'623	4'552		18'756			
Hong Kong, China	4'900	24'000	79'000			19'440			
India	877'950	991'160	52'537'816	297'012	27'114	21'163'112	41'220	1'344	1'897'248
Indonesia	211'529	103'000	12'103'803	62'896	28'356	4'216'263	4'140	13'956	387'452
Iran	90'000	150'000	2'050'000	12'380	148'926	160'052	6'312	58'920	56'612
Iraq	5'000	15'000	70'000	840					
Japan	12'000	473'000	889'076	984	384	20'784	600		576
Jordan	500	2'000	16'000	200					
Kazakhstan	10'400		41'500	10'760		80'064			
Korea, P.R.						39'060			

1 Spinning Machines

Table 1.5

Asia and Oceania (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Korea, Rep.	7'944	686'000	1'005'696	5'024		571'428			540
Kyrgyzstan		1'000	17'500						
Lao Peoples Democratic Republic						480			
Malaysia		35'000	140'000	27'676		200'736	1'036		67'560
Mongolia					3'628			2'500	
Myanmar	1'600		250'000	1'800		258'300			540
Nepal			100'000			36'624			
New Zealand		70'000			1'440				
Pakistan	187'259	35'000	13'434'000	25'870	896	2'625'588	8'052		491'016
Philippines	50'000	13'000	230'000			8'784			
Saudi Arabia			10'000			10'260			
Singapore		3'000							
Sri Lanka	200		26'149	280		7'644			540
Syria	27'000	32'000	770'000	9'196		84'984			
Tadzhikistan	9'700	4'000	70'000			111'520			
Thailand	48'000	65'000	3'787'500	24'302	29'088	315'822	288		50'160
Turkmenistan	105'900	1'000	677'500	14'064	3'348	183'952			
United Arab Emirates			25'000	2'800	8'976	4'080			
Uzbekistan	156'390	3'000	1'810'012	87'592		1'574'420	22'544		507'792
Vietnam	132'000	2'000	6'950'000	98'092	756	4'371'972	26'760		245'940
Asia and Oceania	5'114'912	6'654'160	210'040'975	3'559'704	526'000	93'947'015	545'232	113'060	8'115'226

Table 1.6

Europe, East (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Albania			100'000						
Armenia	15'000		15'000						
Azerbaijan	14'600		45'500	6'336		68'256	5'376		43'776
Belarus	10'300	3'900	41'000	6'304	33'048	14'880			
Bosnia And Herzegovina			50'000						
Bulgaria	24'000	40'000	240'000	1'960	4'484	6'000			
Croatia	1'480	3'000	19'836			21'600			3'456
Czech Republic	12'800	26'440	67'100	882	20'580	540		1'056	
Estonia	36'000		53'000						
Georgia	9'000		33'500						
Hungary		19'000	30'000		216				
Latvia				400	360			120	
Lithuania	23'100	7'000	101'800						
Macedonia			120'000						
Moldova	29'760		50'000	7'560					
Poland	2'400	240'000	8'800	416	20'580				
Romania	10'000	423'000	50'000	1'512	14'208				
Russia	70'000	500'000	40'000	10'052	320	1'080	360		540
Serbia		30'000							
Slovakia			8'700			7'152			3'024
Slovenia			34'560			10'992			
Ukraine	18'300	2'000	50'000	200					
Europe, East	276'740	1'294'340	1'158'796	35'622	93'796	130'500	5'736	1'176	50'796

1 Spinning Machines

Table 1.7

Europe, Others (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Turkey	800'000	775'370	7'900'000	244'810	306'952	3'396'602	49'108	30'816	166'876
Europe, Others	800'000	775'370	7'900'000	244'810	306'952	3'396'602	49'108	30'816	166'876

Table 1.8

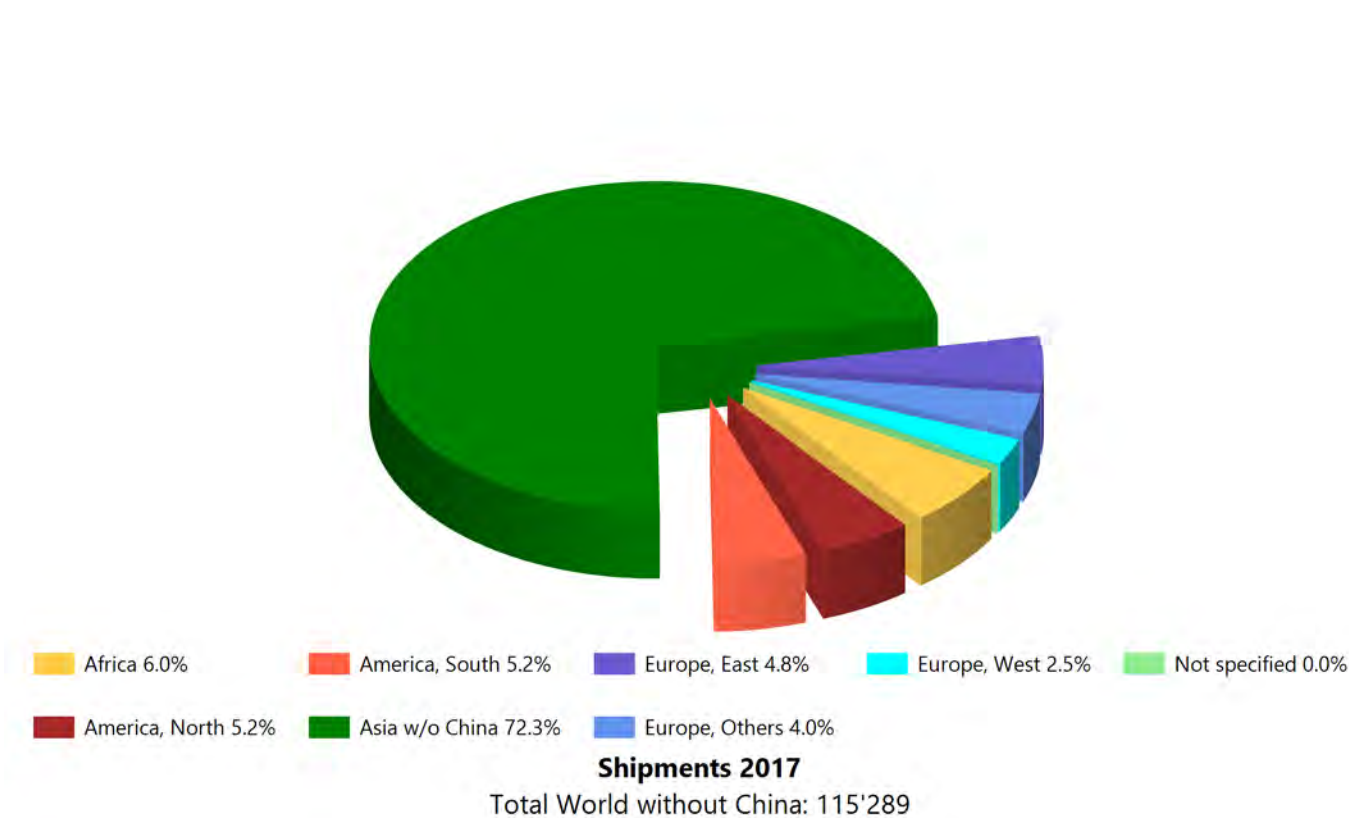
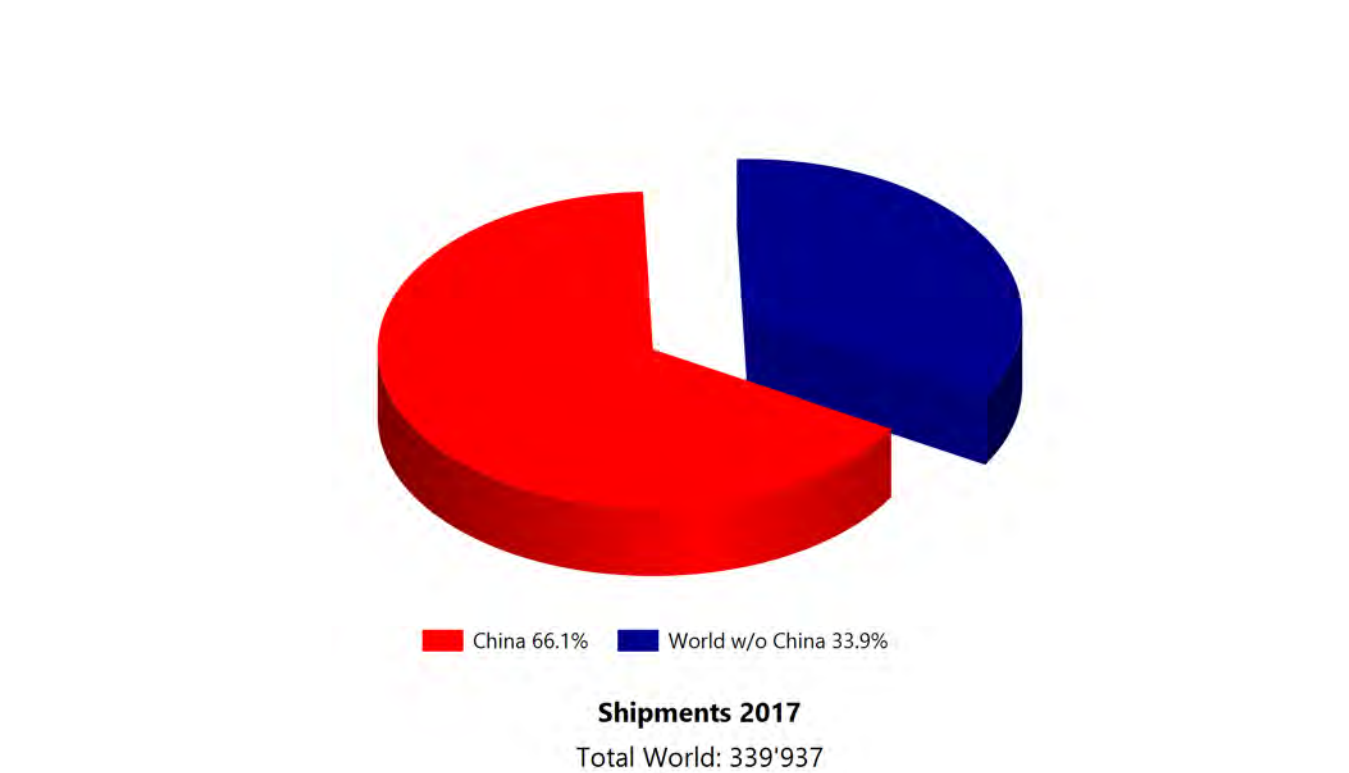
Europe, West (destination)	Capacity Installed 2016			Cumulative Shipments 2008 - 2017			Shipments 2017		
	Rotors	Spindles		Rotors	Spindles		Rotors	Spindles	
		Long-Staple	Short-Staple		Long-Staple	Short-Staple		Long-Staple	Short-Staple
Austria	7'796	33'000	90'960	4'156	416	33'024		96	5'232
Belgium	11'300	128'000	24'900	5'096	432		216		
Finland		4'000							
France	25'800	223'000	43'200	960					
Germany	8'000	95'000	110'000	3'096	912	9'132			960
Greece	5'700	200'000	146'500						
Ireland		45'000	23'000						
Italy	6'000	2'650'000	275'000	10'472	86'930	31'440	1'224	18'240	1'200
Netherlands	7'000	24'000	9'000	9'020			740		
Norway		20'000			528				
Portugal	32'580	310'000	173'800	16'096	448	30'528	2'856		
Spain	29'000	275'000	60'000	10'248	3'576	26'168	1'008		6'544
Switzerland	1'500	30'000	48'000	2'720	1'296	540			
United Kingdom	4'100	135'000	21'200		2'040	7'200		400	1'200
Europe, West	138'776	4'172'000	1'025'560	61'864	96'578	138'032	6'044	18'736	15'136

2 Drawtexturing Machines

Country	Company	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	(All Chinese Manufacturers)	x	x	x	x	x	x	x	x	x	x
Germany	Oerlikon Barmag	x	x	x	x	x	x	x	x	x	x
India	Aalidhra	x	x	x	x	-	-	-	-	-	x
	Himson	x	-	-	x	x	x	-	x	x	x
Italy	SSM Guidici (formerly Guidici)	-	-	-	-	x	x	x	x	x	x
Japan	Ishikawa Seisakusho	x	-	-	-	-	-	-	-	-	-
	TMT	x	x	x	x	x	x	x	x	x	x
Switzerland	SSM	-	-	-	-	x	x	x	x	x	x

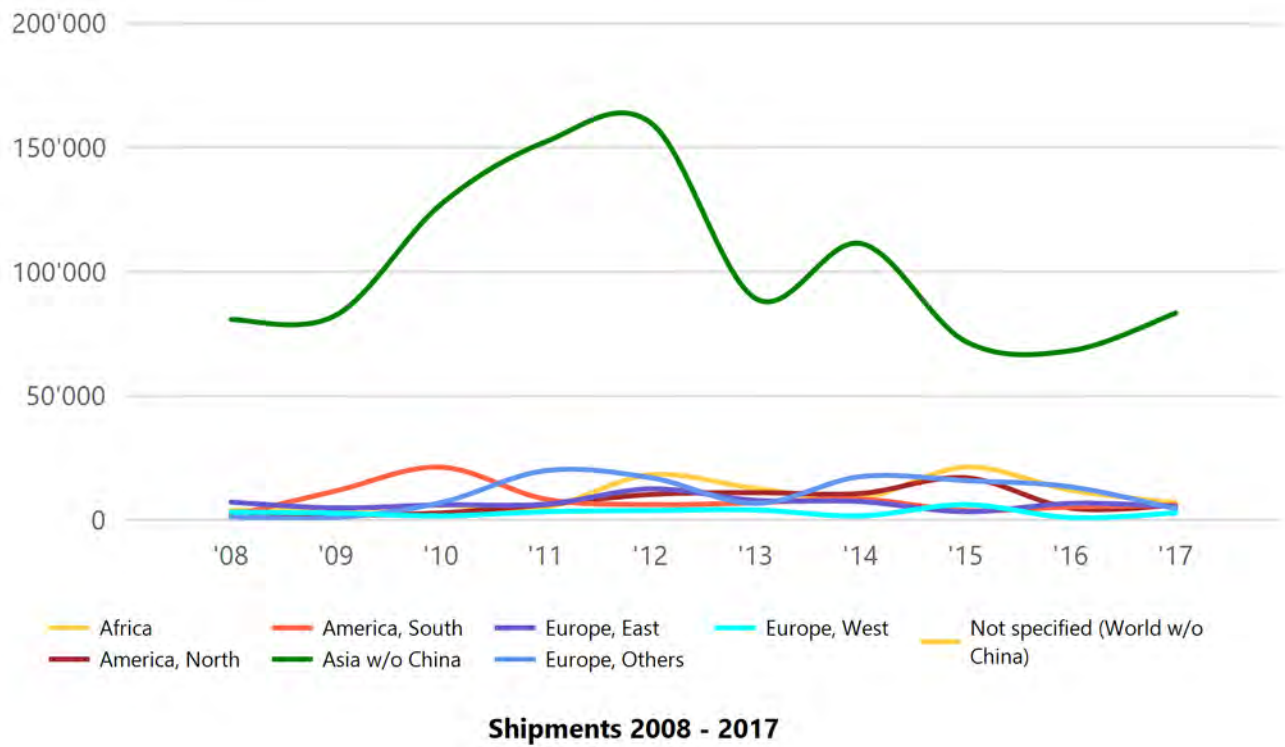
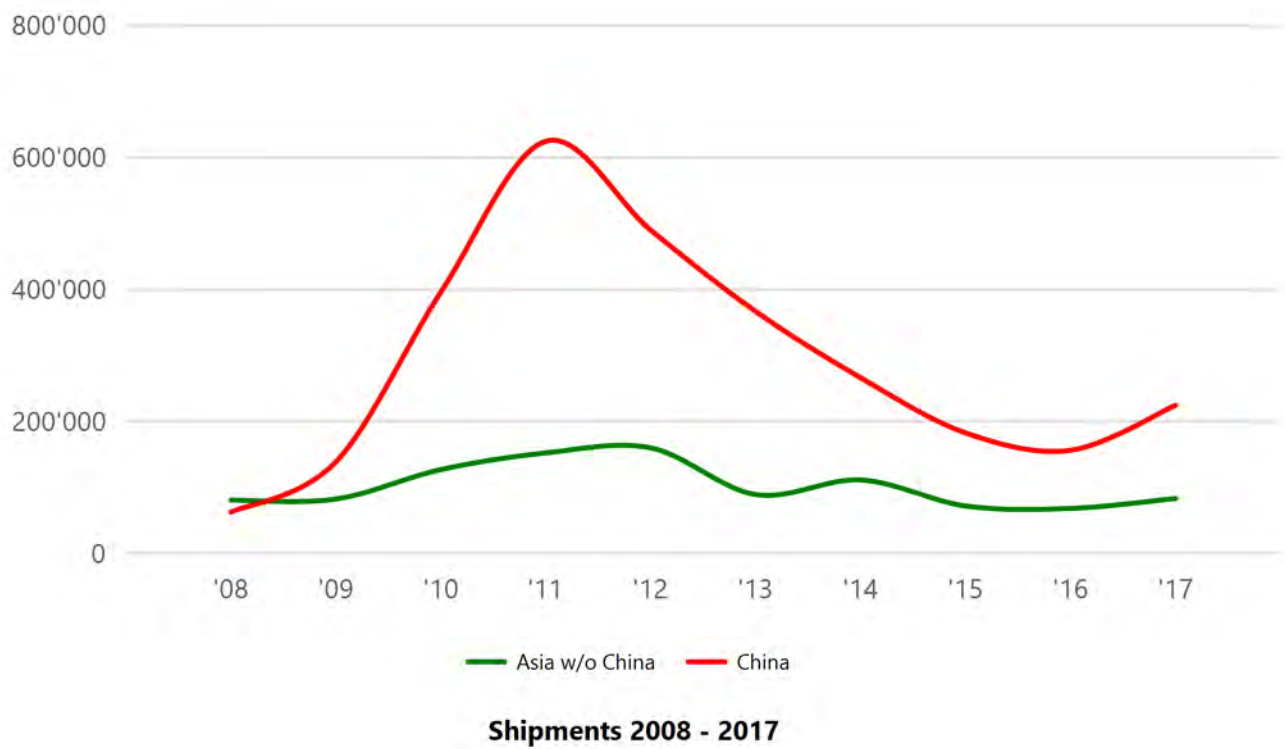
2 Drawtexturing Machines

Double Heater - Shipments



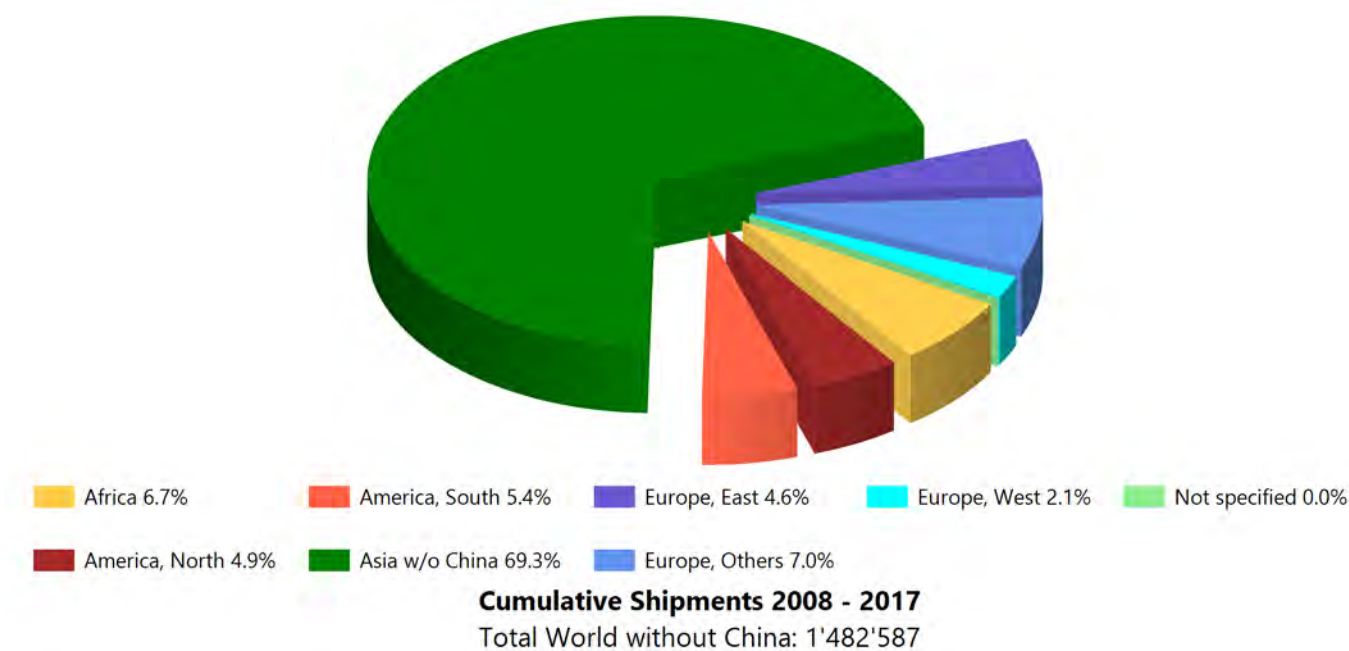
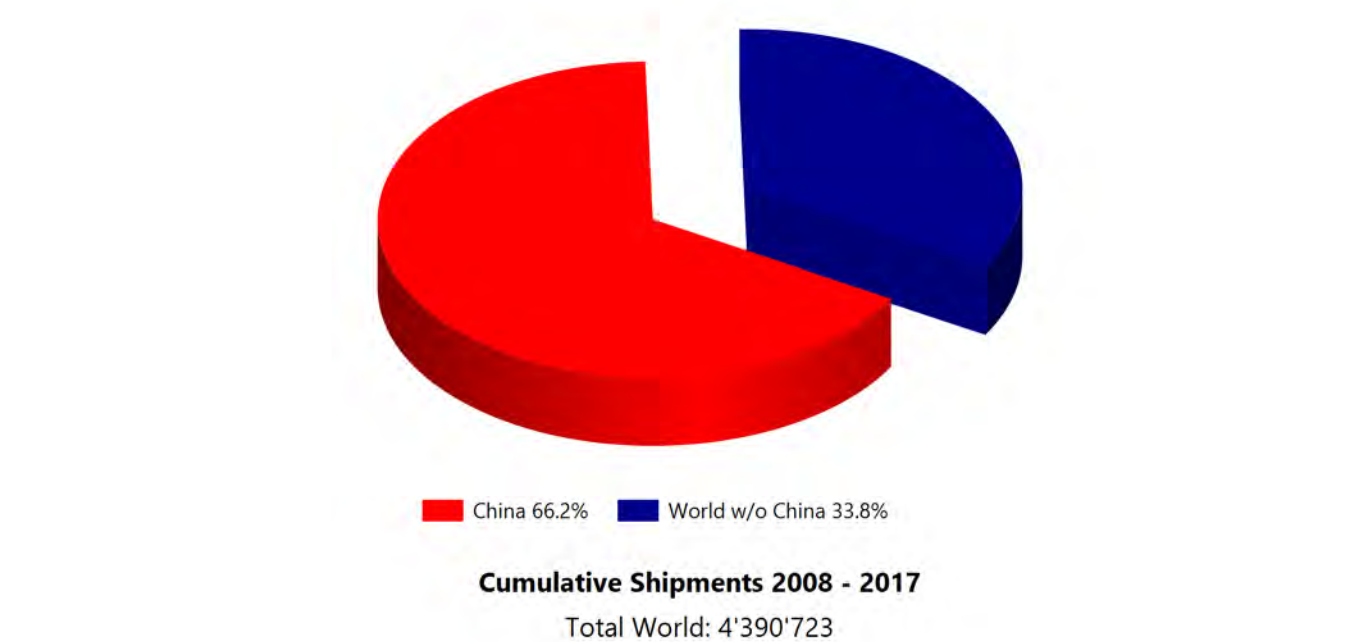
2 Drawtexturing Machines

Double Heater - Shipments



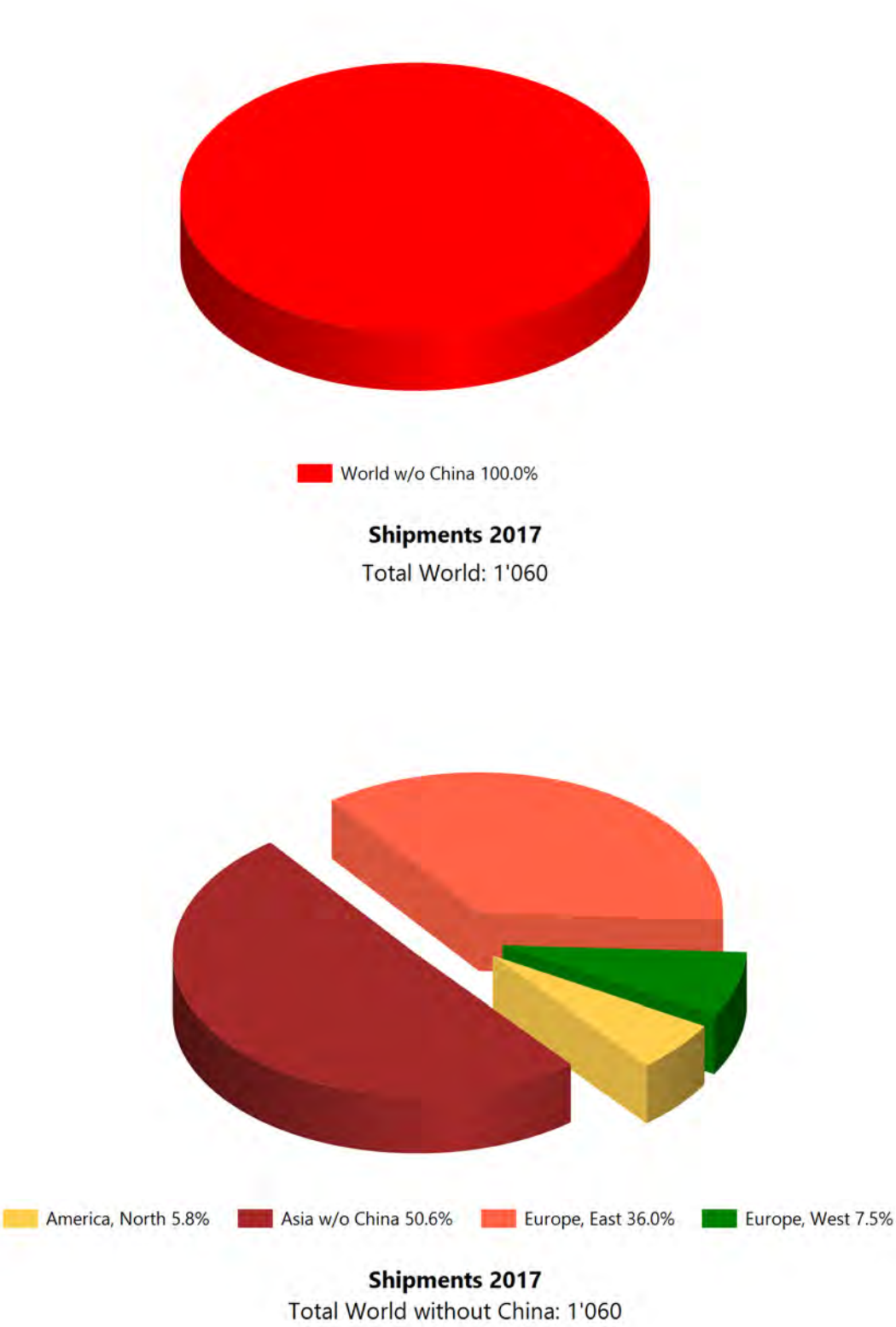
2 Drawtexturing Machines

Double Heater - Cumulative Shipments



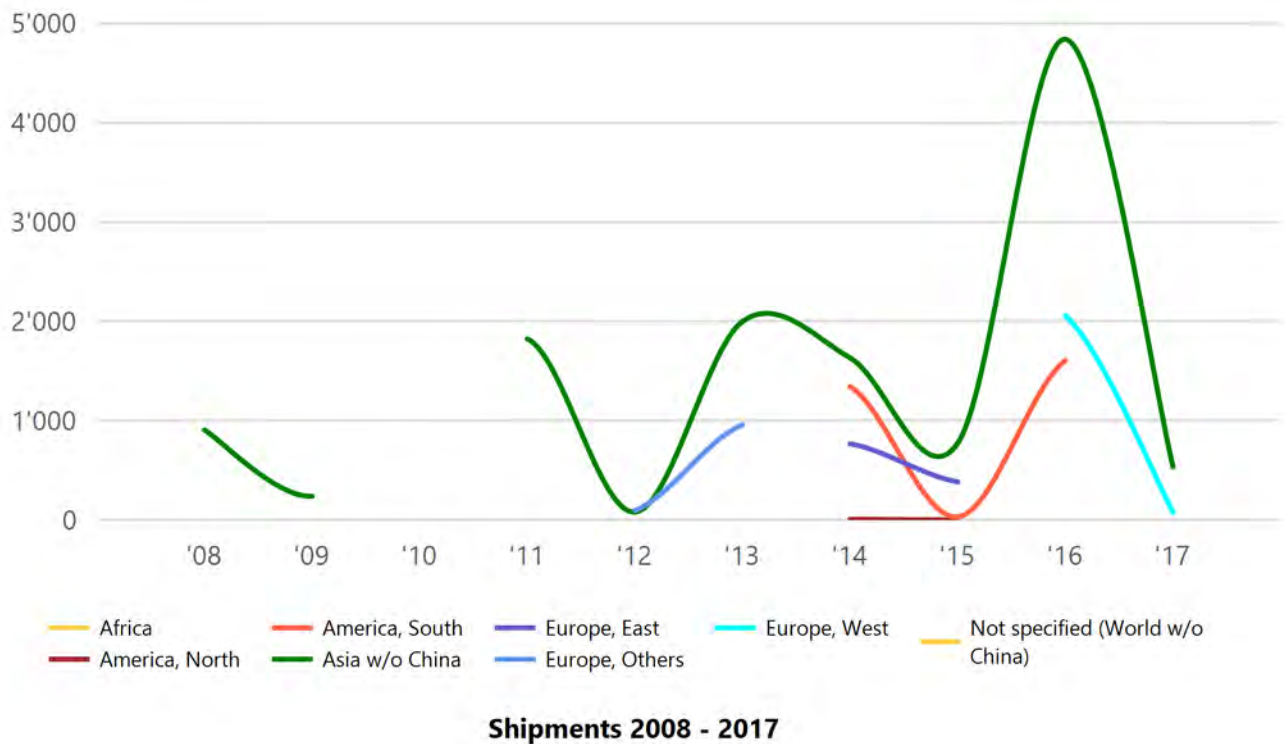
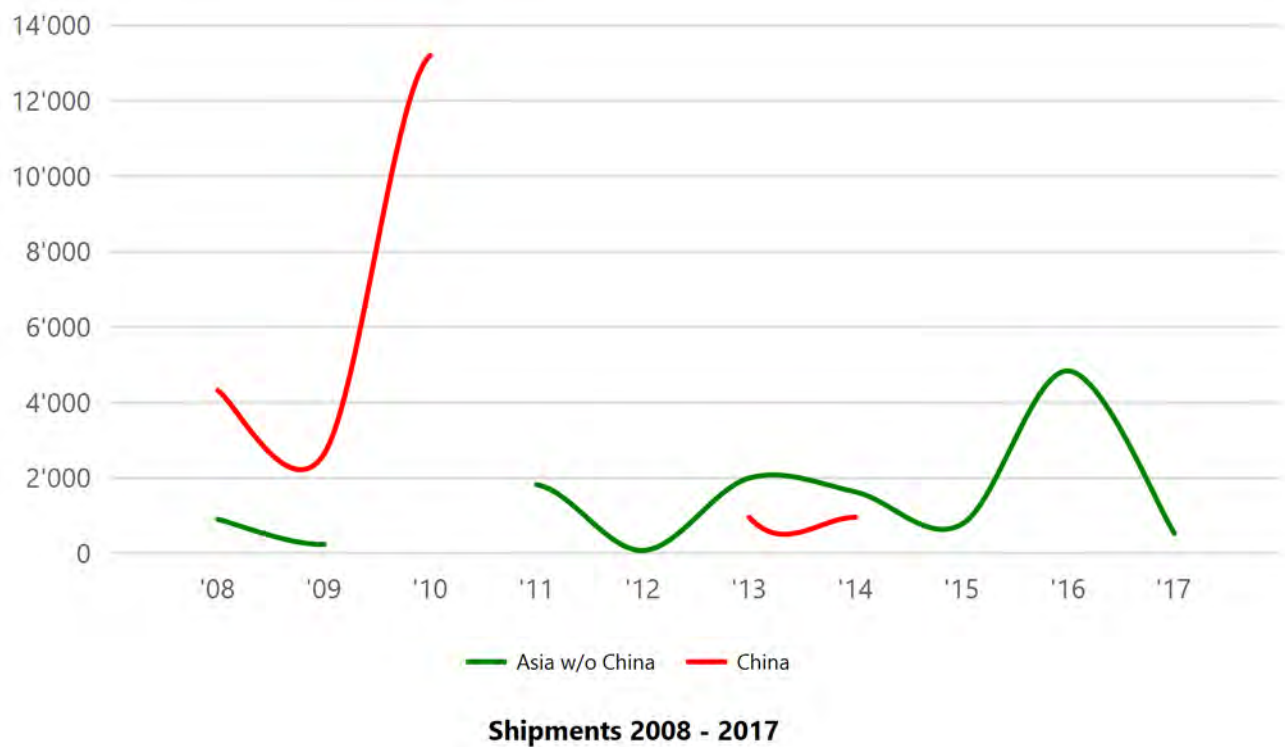
2 Drawtexturing Machines

Single Heater - Shipments



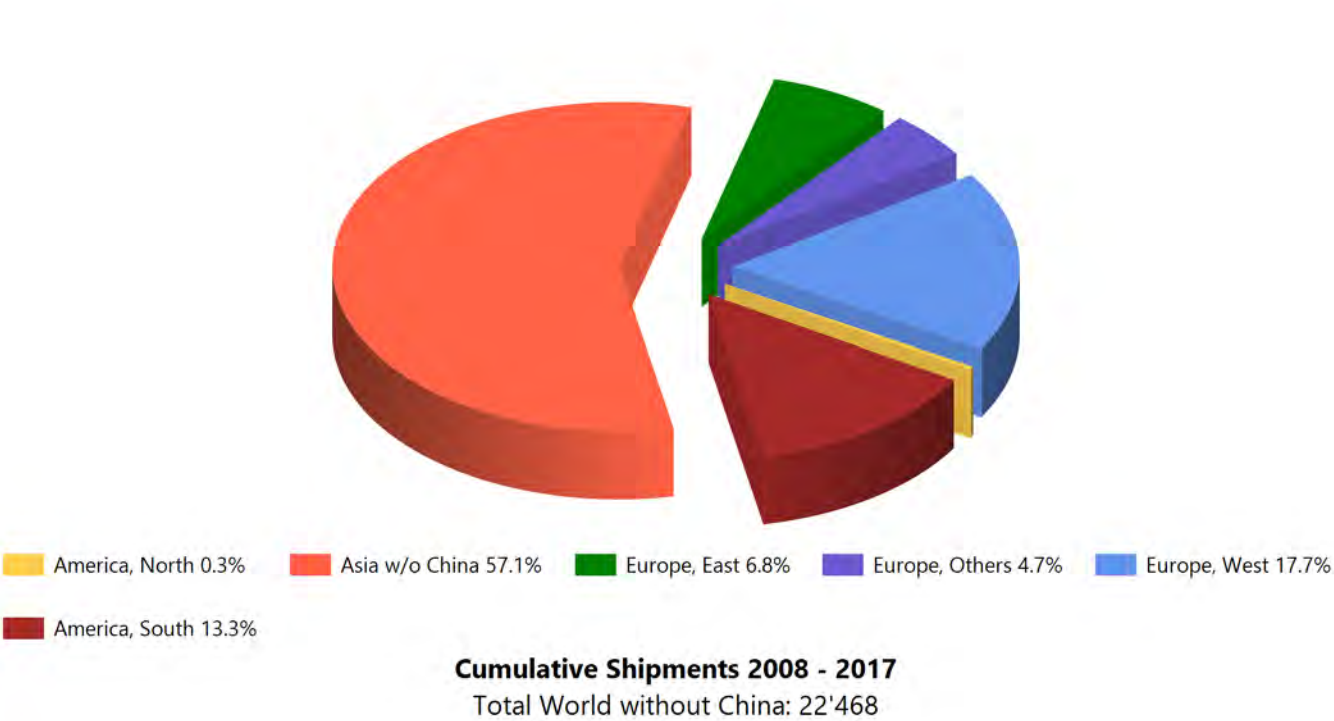
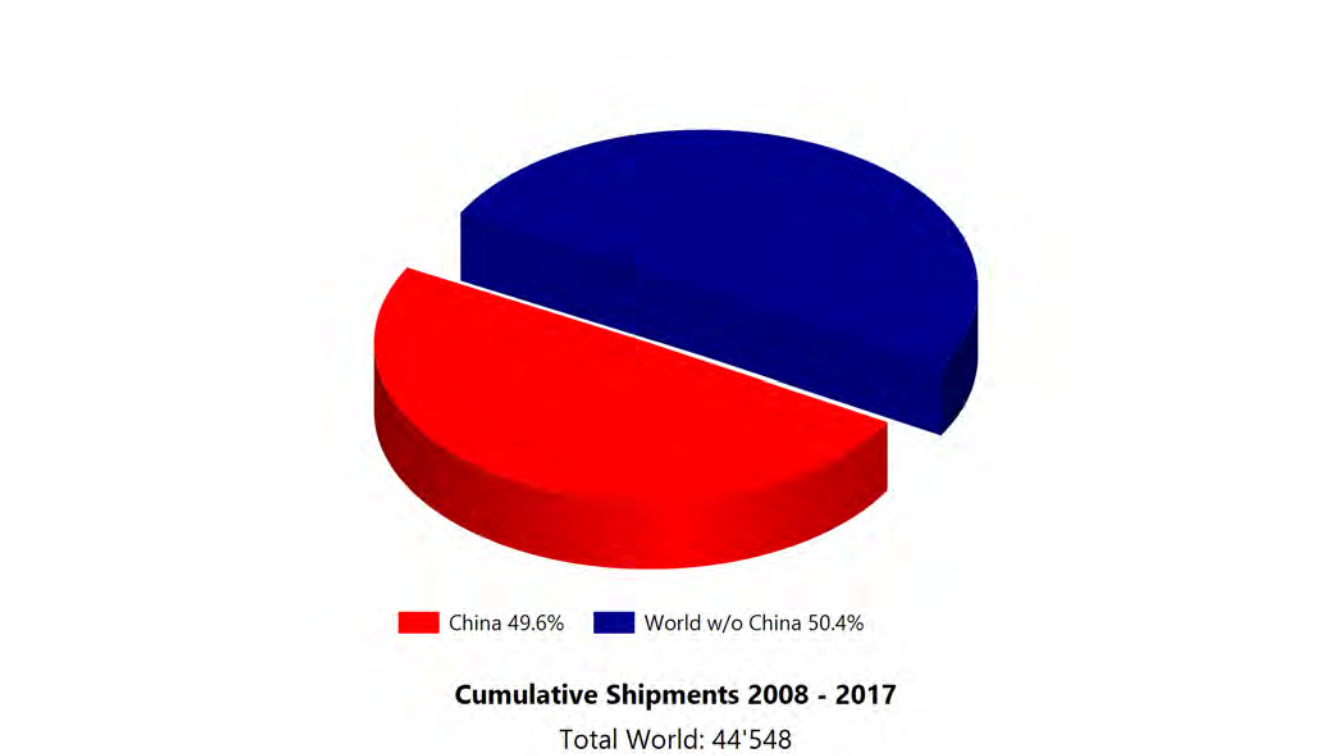
2 Drawtexturing Machines

Single Heater - Shipments



2 Drawtexturing Machines

Single Heater - Cumulative Shipments



2 Drawtexturing Machines

Table 2.1

Continents (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Africa		99'326	99'326		6'960	6'960
America, North	74	73'316	73'390	62	6'000	6'062
America, South	2'982	79'824	82'806		6'000	6'000
Asia and Oceania	34'917	3'934'882	3'969'799	536	308'016	308'552
Europe, East	1'534	68'136	69'670	382	5'520	5'902
Europe, Others	1'056	104'208	105'264		4'560	4'560
Europe, West	3'985	30'684	34'669	80	2'880	2'960
Not specified		347	347		1	1
World	44'548	4'390'723	4'435'271	1'060	339'937	340'997

Table 2.2

Africa (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Algeria		20'160	20'160		720	720
Angola		480	480			
Benin		240	240			
Botswana		240	240			
Central African Republic		8'840	8'840			
Djibouti		480	480			
Egypt		39'126	39'126		3'120	3'120
Ethiopia		480	480		240	240
Ivory Coast		480	480			
Kenya		1'200	1'200		240	240
Lesotho		480	480			
Libya		960	960			
Madagascar		1'680	1'680			
Mauritius		240	240			
Morocco		2'640	2'640		480	480
Mozambique		1'200	1'200		240	240
Nigeria		3'360	3'360			
South Africa		11'760	11'760		240	240
Sudan		720	720		480	480
Tanzania		2'640	2'640		1'200	1'200
Tunisia		240	240			
Zimbabwe		1'680	1'680			
Africa		99'326	99'326		6'960	6'960

Table 2.3

America, North (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Canada		6'960	6'960		240	240
Costa Rica		240	240		240	240
Dominican Rep.		720	720		480	480
El Salvador		3'360	3'360		240	240
Guatemala		1'920	1'920		240	240
Honduras		1'440	1'440		480	480
Mexico		14'160	14'160		1'440	1'440

2 Drawtexturing Machines

Table 2.3

America, North (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
U.S.A.	74	44'516	44'590	62	2'640	2'702
America, North	74	73'316	73'390	62	6'000	6'062

Table 2.4

America, South (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Argentina		3'720	3'720		720	720
Bolivia		240	240		240	240
Brazil	2'982	38'184	41'166		240	240
Chile		15'840	15'840		2'880	2'880
Colombia		8'400	8'400		1'440	1'440
Ecuador		480	480			
Guyana		240	240			
Paraguay		2'400	2'400			
Peru		3'120	3'120		240	240
Uruguay		960	960		240	240
Venezuela		6'240	6'240			
America, South	2'982	79'824	82'806		6'000	6'000

Table 2.5

Asia and Oceania (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Australia		3'840	3'840		480	480
Bangladesh		1'512	1'512			
Cambodia		1'200	1'200		480	480
China	22'080	2'908'136	2'930'216		224'648	224'648
Chinese Taipei	8'342	42'656	50'998	240	4'896	5'136
India	32	345'290	345'322	32	8'164	8'196
Indonesia	180	36'648	36'828		1'200	1'200
Iran		35'256	35'256		6'480	6'480
Iraq		7'440	7'440		720	720
Israel	1'770	3'600	5'370		240	240
Japan	216	278'280	278'496		41'292	41'292
Jordan		3'600	3'600		240	240
Korea, P.R.		17'040	17'040		7'920	7'920
Korea, Rep.	480	28'288	28'768		2'592	2'592
Kuwait		240	240			
Kyrgyzstan		480	480		240	240
Lebanon		4'080	4'080		960	960
Malaysia		7'680	7'680			
Maldives		240	240			
Mongolia		240	240			
Myanmar		480	480			
Nepal		480	480		240	240
New Zealand		480	480			
Pakistan		13'200	13'200		720	720
Philippines		1'920	1'920		480	480

2 Drawtexturing Machines

Table 2.5

Asia and Oceania (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Qatar		240	240		240	240
Saudi Arabia		5'520	5'520			
Singapore		2'880	2'880			
Sri Lanka	193	2'400	2'593		720	720
Syria		22'428	22'428			
Thailand	1'072	76'428	77'500		1'200	1'200
United Arab Emirates		18'000	18'000		240	240
Uzbekistan		3'360	3'360		720	720
Vietnam	552	61'320	61'872	264	2'904	3'168
Asia and Oceania	34'917	3'934'882	3'969'799	536	308'016	308'552

Table 2.6

Europe, East (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Albania		720	720			
Armenia		1'200	1'200			
Azerbaijan		480	480			
Belarus		5'424	5'424			
Bulgaria	190	5'760	5'950	190	480	670
Croatia		480	480			
Czech Republic		480	480			
Estonia		1'440	1'440		480	480
Georgia		720	720			
Latvia		240	240			
Lithuania		1'680	1'680			
Macedonia		240	240			
Moldova		720	720			
Poland		3'600	3'600			
Romania	1'152	5'520	6'672			
Russia		27'912	27'912		4'320	4'320
Serbia		480	480			
Slovakia	192	240	432	192		192
Slovenia		1'680	1'680			
Ukraine		9'120	9'120		240	240
Europe, East	1'534	68'136	69'670	382	5'520	5'902

Table 2.7

Europe, Others (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Turkey	1'056	104'208	105'264		4'560	4'560
Europe, Others	1'056	104'208	105'264		4'560	4'560

2 Drawtexturing Machines

Table 2.8

Europe, West (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Belgium		720	720		240	240
France		480	480			
Germany		11'040	11'040		1'440	1'440
Greece		960	960			
Italy	3'800	2'604	6'404	8		8
Luxembourg		240	240			
Netherlands		1'200	1'200			
Portugal		960	960			
Spain	113	6'960	7'073		720	720
Switzerland		720	720			
United Kingdom	72	4'800	4'872	72	480	552
Europe, West	3'985	30'684	34'669	80	2'880	2'960

Table 2.9

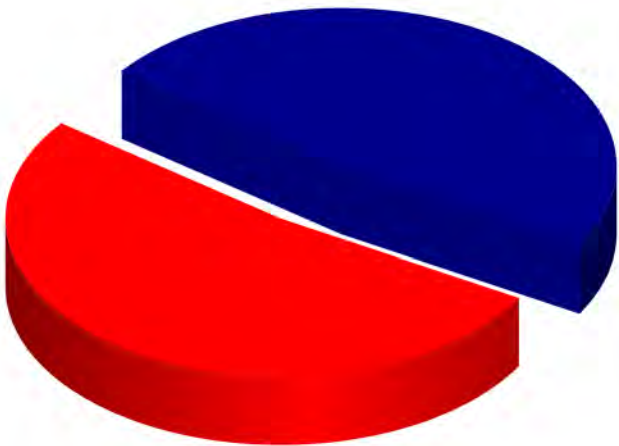
Not specified (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	False Twist		Total	False Twist		Total
	Single Heater	Double Heater		Single Heater	Double Heater	
Not specified		347	347		1	1

3 Weaving Machines

Country	Company	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Belgium	Picanol	x	x	x	x	x	x	x	x	x	x
	Van de Wiele	x	x	x	x	x	x	x	x	x	x
China	(All Chinese Manufacturers)	x	x	x	x	x	x	x	x	x	x
Chinese Taipei	Ich Ching	x	-	-	-	-	-	-	-	-	-
Czech Rep.	VUTS	x	x	x	x	x	x	x	x	x	x
	Zbrojovka (formerly IPEK/Trustfin)	x	-	-	-	-	-	-	-	-	-
Germany	Dornier	x	x	x	x	x	x	x	x	x	x
India	Aalidhra Textile Engineers	-	-	-	-	-	-	x	-	-	-
	Alidhra Weavetech	x	-	-	x	x	x	x	-	x	x
	Laxmi Shuttleless Looms	-	x	x	-	-	-	x	x	-	x
	Laxmi Tex Stores	x	x	x	-	x	x	x	x	-	-
	Lifebond Machines	-	-	-	-	-	-	-	-	x	x
	Priyalaxmi Machinery	-	-	-	-	-	-	x	-	-	-
Italy	ITEMA (formerly Promatech)	x	x	x	x	x	x	x	x	x	x
	Panter	x	-	-	-	-	-	-	-	-	-
	SMIT Textile	x	x	-	-	x	-	-	-	x	x
Japan	Ishikawa Seisakusho	x	x	-	-	-	-	-	-	-	-
	Toyota	x	x	x	x	x	x	x	x	x	x
	Tsudakoma	x	x	x	x	x	x	x	x	x	x
Switzerland	ITEMA (formerly Sultex)	x	x	x	x	x	x	x	x	x	x

3 Weaving Machines

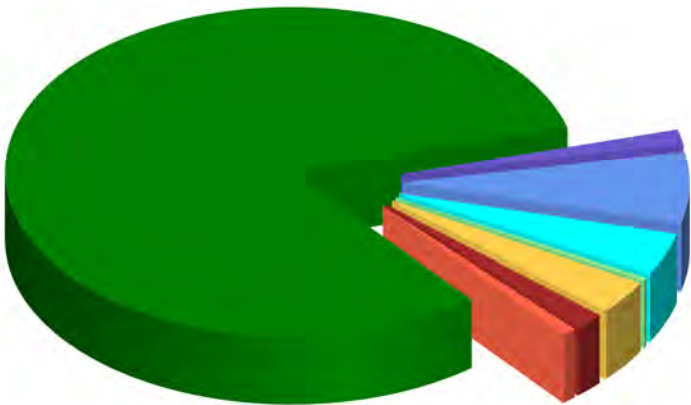
Shuttleless Looms - Shipments



China 52.0% World w/o China 48.0%

Shipments 2017

Total World: 96'289



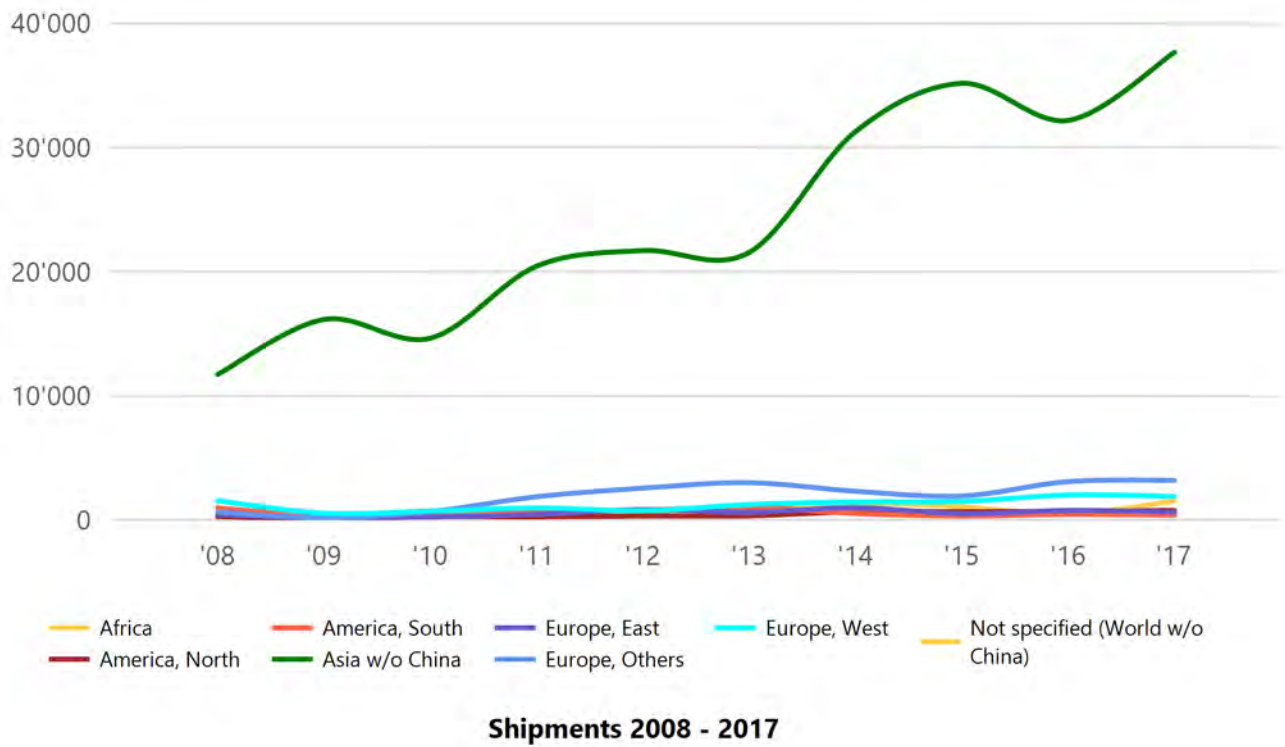
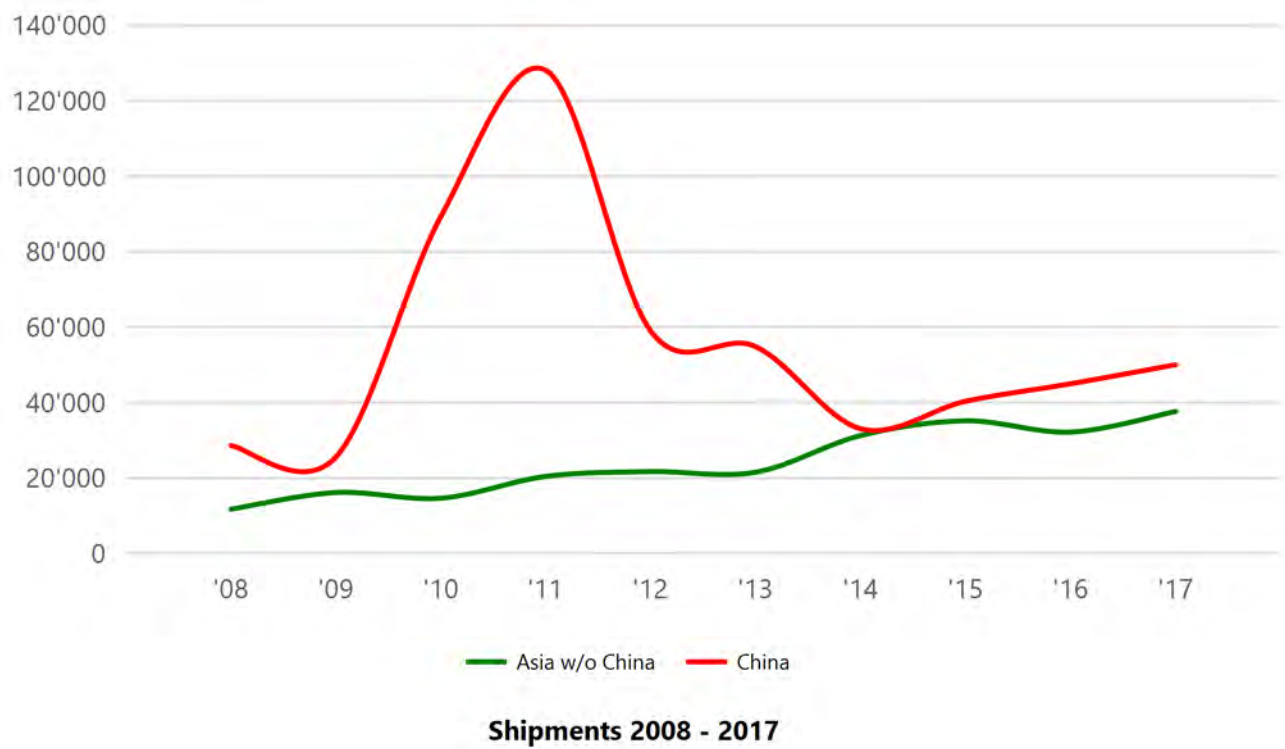
Africa 3.3% America, South 0.8% Europe, East 1.4% Europe, West 4.1% Not specified 0.3%
America, North 1.7% Asia w/o China 81.5% Europe, Others 6.9%

Shipments 2017

Total World without China: 46'239

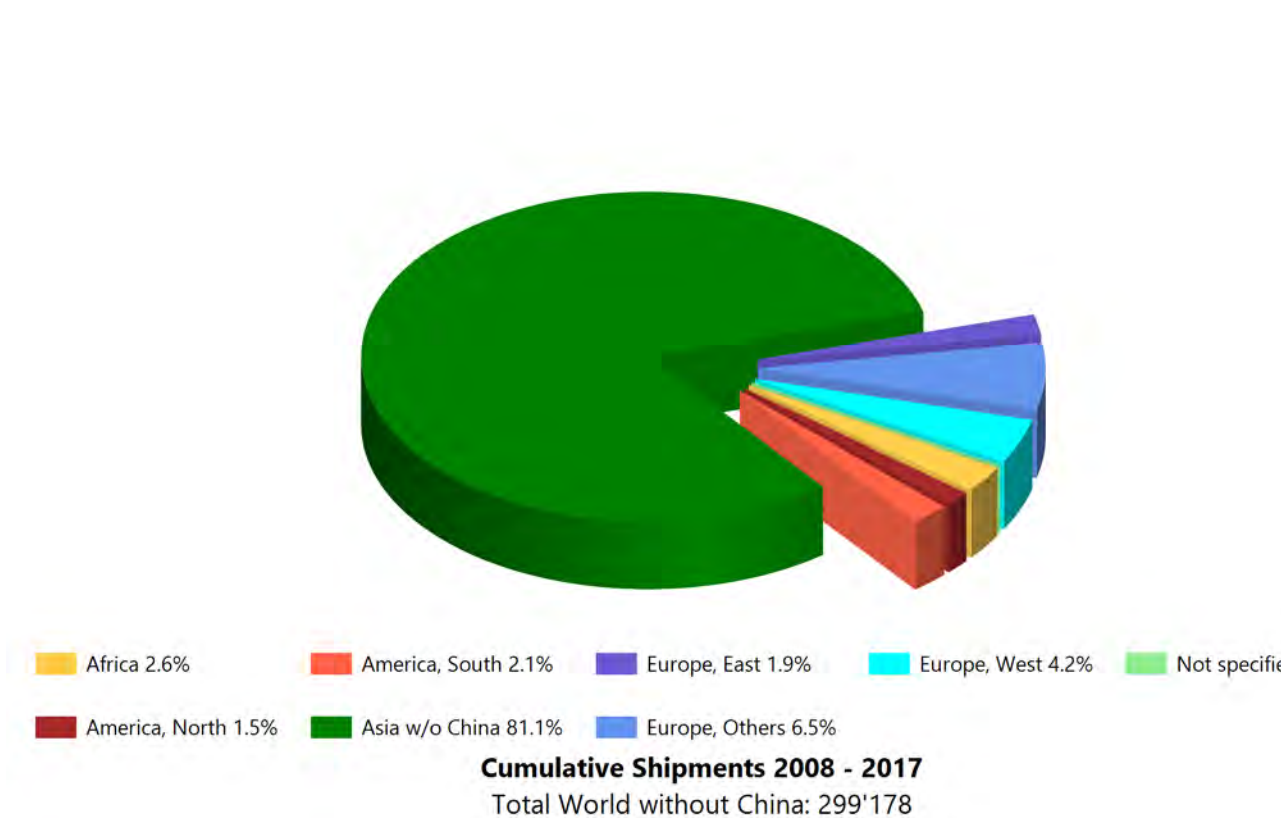
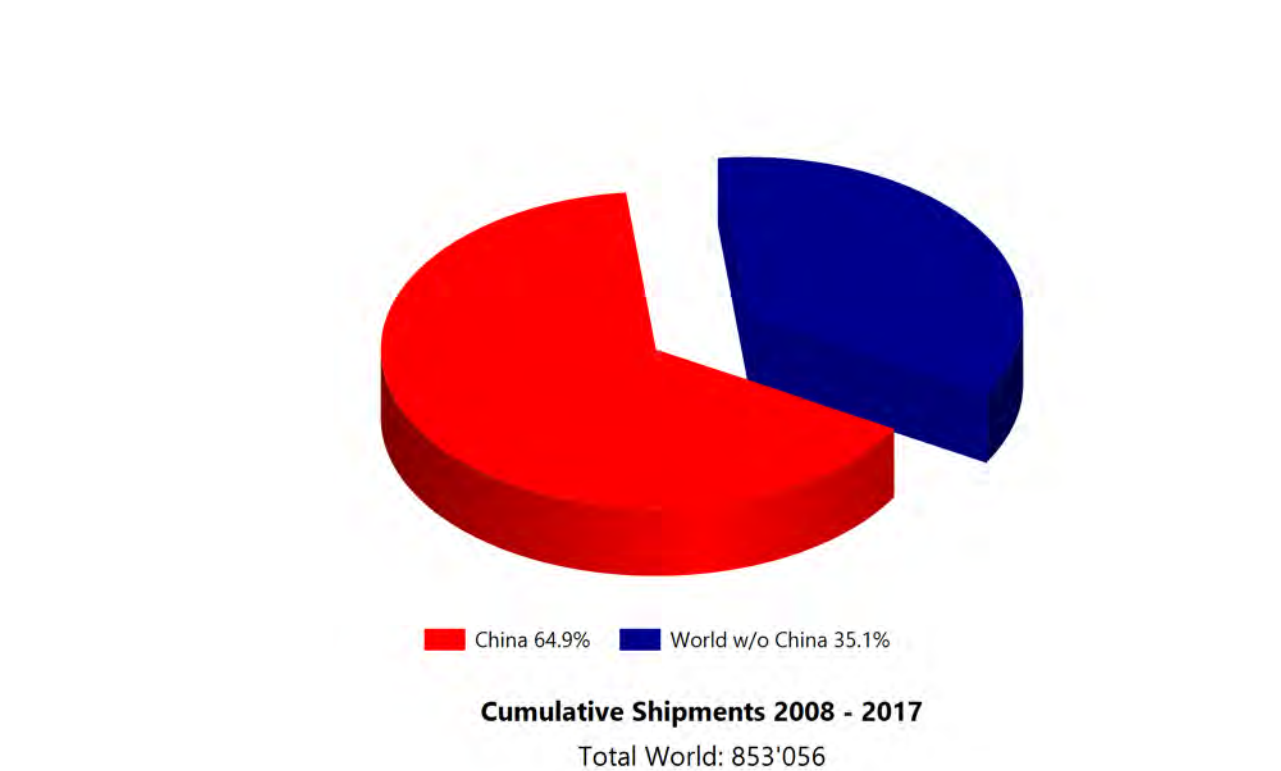
3 Weaving Machines

Shuttleless Looms - Shipments



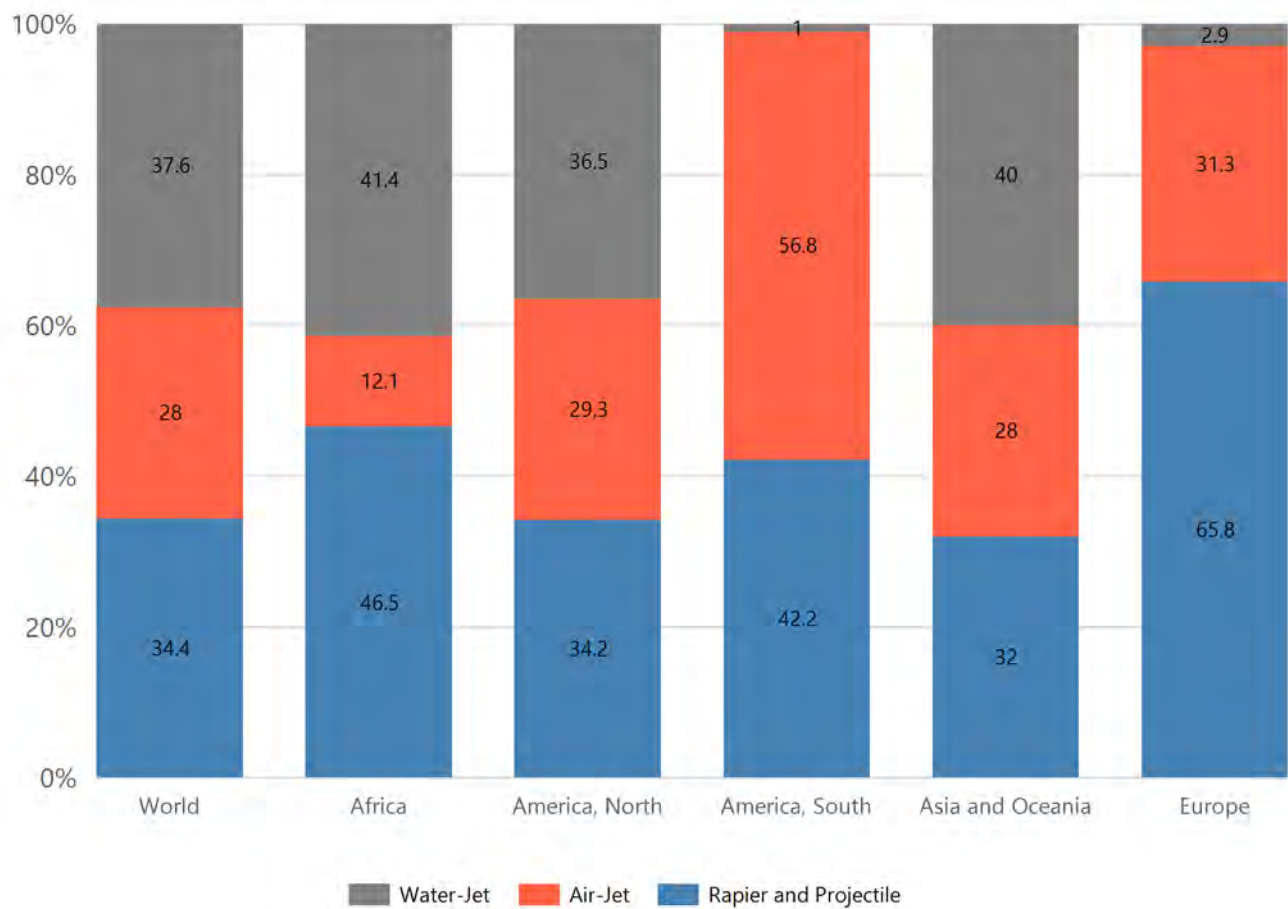
3 Weaving Machines

Shuttleless Looms - Cumulative Shipments



3 Weaving Machines

Weaving Machines



Percentage Distribution of Shipments in 2017

3 Weaving Machines

Table 3.1

Continents (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Africa	54'068	17'194	1'313	4'354	2'027	7'694	185	713	635	1'533
America, North	45'909	71'586	2'036	1'644	717	4'397	229	267	285	781
America, South	66'824	55'807	4'186	2'019	203	6'408	221	164	4	389
Asia and Oceania	1'095'245	1'159'743	184'690	209'888	401'868	796'446	24'529	28'081	35'108	87'718
Europe, East	9'040	109'020	2'038	3'306	399	5'743	354	268	21	643
Europe, Others	20'000	49'500	2'560	15'762	1'205	19'527	965	2'178	60	3'203
Europe, West	5'866	31'347	3'662	8'866	158	12'686	482	1'336	86	1'904
Not specified			1	154		155		118		118
World	1'296'952	1'494'197	200'486	245'993	406'577	853'056	26'965	33'125	36'199	96'289

Table 3.2

Africa (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Algeria	8'000	2'100	53	845		898	50	364		414
Angola	800	303	170	133		303				
Benin	2'000									
Botswana		180		22		22		12		12
Cameroon	1'000	200		36		36				
Chad	250	36	36			36				
Djibouti				141	322	463		10		10
Egypt	591	2'630	593	1'347	781	2'721	59	98	182	339
Eritrea	260	66		26		26				
Ethiopia	167	2'200	152	438	350	940	1	38	133	172
Ghana	3'500	190		182		182				
Guinea					1	1				
Ivory Coast	2'000	55	9	4		13				
Kenya	200	431		39	320	359			320	320
Lesotho		50								
Libya				6		6				
Madagascar		88	16	31		47	16	1		17
Malawi	350	70								
Mali	1'000									
Mauritania		1		1		1				
Mauritius		600	40	105		145	40			40
Morocco	4'000	2'100	26	330	42	398	2	23		25
Mozambique	2'500	120			120	120				
Niger		1			1	1				
Nigeria	5'000	3'300	31	326		357		138		138
Senegal	500	153			3	3				
South Africa	300	450	115	108	27	250	16	10		26
Sudan	10'000	387	52	61		113		11		11
Swaziland		110								
Tanzania	5'000	150	1	7		8	1			1
Togo		23		23		23				
Tunisia	1'850	255	19	86		105		4		4
Uganda	1'000	120		40	60	100		4		4
Zaire										

3 Weaving Machines

Table 3.2

Africa (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Zaire	2'500	160								
Zambia	1'000	160								
Zimbabwe	300	505		17		17				
Africa	54'068	17'194	1'313	4'354	2'027	7'694	185	713	635	1'533

Table 3.3

America, North (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Canada		3'000	101	41		142	1	1		2
Costa Rica	1'000	100								
Cuba	5'000	4'000		8		8				
Dominican Rep.	500	150								
El Salvador	3'000	200	29	58		87	3	27		30
Guatemala	3'000	890	9	33		42		5		5
Honduras		2		2		2				
Mexico	31'509	35'494	748	737	121	1'606	27	115	75	217
Nicaragua	500	150	2			2				
Panama				3		3				
Puerto Rico					46	46				
U.S.A.	1'400	27'600	1'147	762	550	2'459	198	119	210	527
America, North	45'909	71'586	2'036	1'644	717	4'397	229	267	285	781

Table 3.4

America, South (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Argentina	17'500	6'500	401	121	1	523	40	12		52
Bolivia	1'000	100	24	24		48	24			24
Brazil	20'924	39'327	2'934	1'313	142	4'389	111	113	4	228
Chile	8'000	800	4	59		63		10		10
Colombia	8'500	4'000	201	178	48	427		14		14
Ecuador	400	600	269	85		354		3		3
Paraguay		100								
Peru	5'000	1'350	331	114	1	446	44	12		56
Uruguay	500	530								
Venezuela	5'000	2'500	22	125	11	158	2			2
America, South	66'824	55'807	4'186	2'019	203	6'408	221	164	4	389

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Table 3.5

Asia and Oceania (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Afghanistan		92		78		78				
Australia		850		30		30				
Bahrain		420	44	141		185		12		12
Bangladesh	17'200	33'800	5'065	41'192	313	46'570	1'347	4'416	8	5'771
Brunei Darussalam				6	2	8				
Cambodia		31		28	3	31				
China	345'000	835'000	121'340	83'180	349'358	553'878	14'615	10'281	25'154	50'050
Chinese Taipei	320	18'062	1'392	920	3'286	5'598	209	61	319	589
Hong Kong, China	1'000	8'000	22	449	67	538				
India	45'465	22'821	30'809	49'189	29'519	109'517	5'362	7'886	7'997	21'245
Indonesia	196'620	68'914	7'233	14'592	4'375	26'200	247	2'727	800	3'774
Iran	8'500	12'200	91	1'576	14	1'681	17	395	5	417
Iraq	3'500	2'000	30	127		157				
Israel				18	1	19		10		10
Japan	4'204	13'496	1'819	844	1'801	4'464	323	109	96	528
Jordan		50	7	54	16	77		10		10
Kazakhstan		400	193	49	43	285		22		22
Korea, P.R.			62	166	231	459		4		4
Korea, Rep.		262	1'129	1'465	6'705	9'299	38	205	146	389
Kuwait		69	24	19	24	67				
Kyrgyzstan	960	1'550		27		27				
Lebanon				16	12	28				
Malaysia	1'200	3'000	274	668	138	1'080	73	17		90
Mongolia		3		22	2	24			1	1
Myanmar	15'000	750		257	8	265		6		6
Nepal	1'000	240	42	198		240				
New Zealand				65		65				
Oman				1		1				
Pakistan	375'000	36'700	8'982	2'214	1'886	13'082	1'313	634	44	1'991
Philippines	7'000	2'500	47	159	150	356			3	3
Qatar		38		17	21	38				
Saudi Arabia		450	1	830		831		48		48
Singapore			53	271	30	354	46	66		112
Sri Lanka	2'646	1'297	212	183	12	407	33	7		40
Syria	300	2'700	104	596	44	744	2	9		11
Tadzhikistan	2'200	4'600		50		50		2		2
Thailand	53'000	79'600	1'687	1'092	1'094	3'873	231	67	162	460
Turkmenistan		1'000	335	260		595		24		24
United Arab Emirates		500	44	216	10	270		1		1
Uzbekistan	130	1'548	303	760	1	1'064	104	178		282
Vietnam	15'000	6'800	3'346	7'839	2'702	13'887	569	884	373	1'826
Yemen				24		24				
Asia and Oceania	1'095'245	1'159'743	184'690	209'888	401'868	796'446	24'529	28'081	35'108	87'718

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Table 3.6

Europe, East (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Albania	2'000	25		35		35		12		12
Armenia		5'000		1		1				
Azerbaijan		3'000	130	60	50	240				
Belarus		1'580	94	537		631	10			10
Bosnia And Herzegovina	1'000	7		6		6				
Bulgaria		6'000	14	201		215		57		57
Croatia	40		8	8		16				
Czech Republic		4'400	335	544	129	1'008	26	12		38
Estonia		3'700		1		1		1		1
Georgia		1'000		1		1				
Hungary		240	24	41		65				
Latvia			87	46		133	4			4
Lithuania	400	2'110	50	55		105		16		16
Macedonia	1'200	38	15	79		94	2	44		46
Moldova		1'870	167	34		201				
Poland	1'400	900	114	237		351	29	5		34
Romania	1'000	5'000	97	563	173	833		51	20	71
Russia	2'000	55'900	871	490	35	1'396	281	31	1	313
Serbia				34		34		4		4
Slovakia		140	15	92		107	2	4		6
Slovenia		110	5	104		109		2		2
Ukraine		18'000	12	137	12	161		29		29
Europe, East	9'040	109'020	2'038	3'306	399	5'743	354	268	21	643

Table 3.7

Europe, Others (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Turkey	20'000	49'500	2'560	15'762	1'205	19'527	965	2'178	60	3'203
Europe, Others	20'000	49'500	2'560	15'762	1'205	19'527	965	2'178	60	3'203

Table 3.8

Europe, West (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Austria			256	101		357	5	9		14
Belgium	372	3'720	107	444	15	566	30	52		82
Denmark			4	13		17				
Finland				5		5				
France	130	2'000	346	494	28	868	102	36	12	150
Germany	400	1'600	1'048	878	4	1'930	138	115	1	254
Greece	1'950	55		35		35		2		2
Ireland				9		9		2		2
Italy	1'334	6'900	1'233	4'503	1	5'737	108	685		793
Luxembourg		10		1		1				

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Table 3.8

Europe, West (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Netherlands		1'200	12	49	24	85				
Norway				14	2	16		2	2	4
Portugal	1'560	9'412	295	1'034		1'329	52	254		306
Spain		2'850	251	602	4	857	35	99		134
Sweden				19		19		2		2
Switzerland	20	600	32	254		286		9		9
United Kingdom	100	3'000	78	411	80	569	12	69	71	152
Europe, West	5'866	31'347	3'662	8'866	158	12'686	482	1'336	86	1'904

Table 3.9

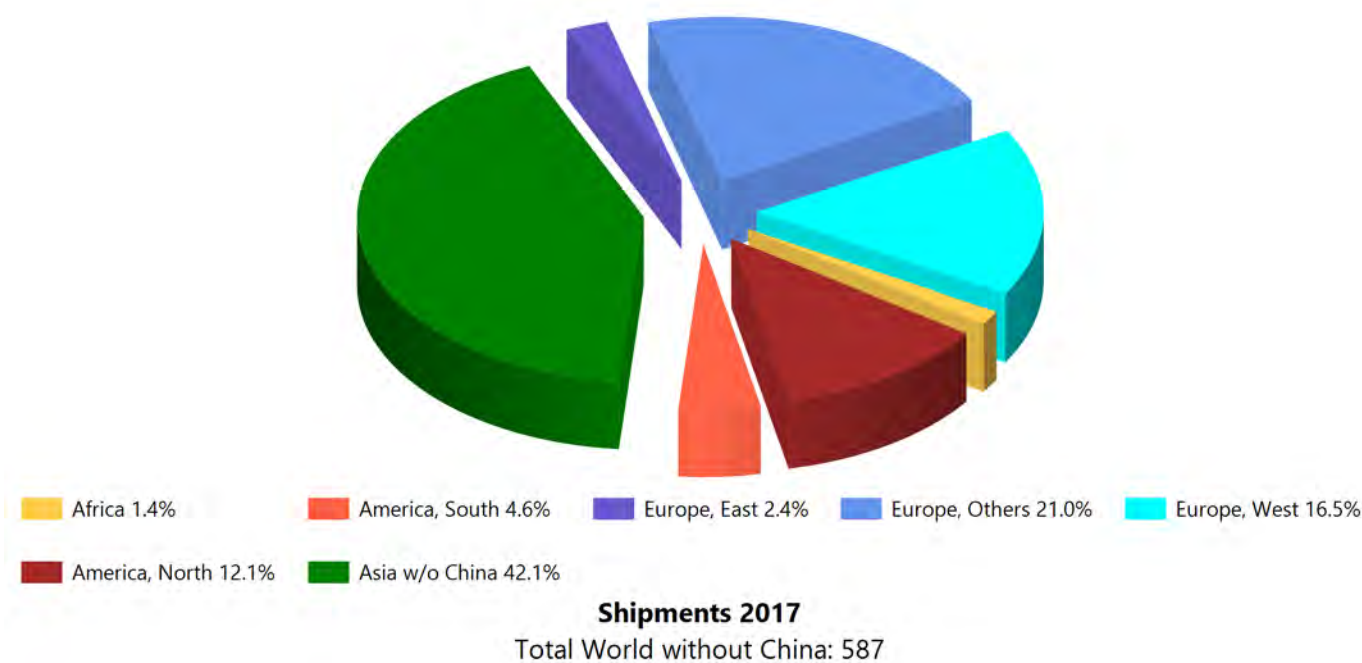
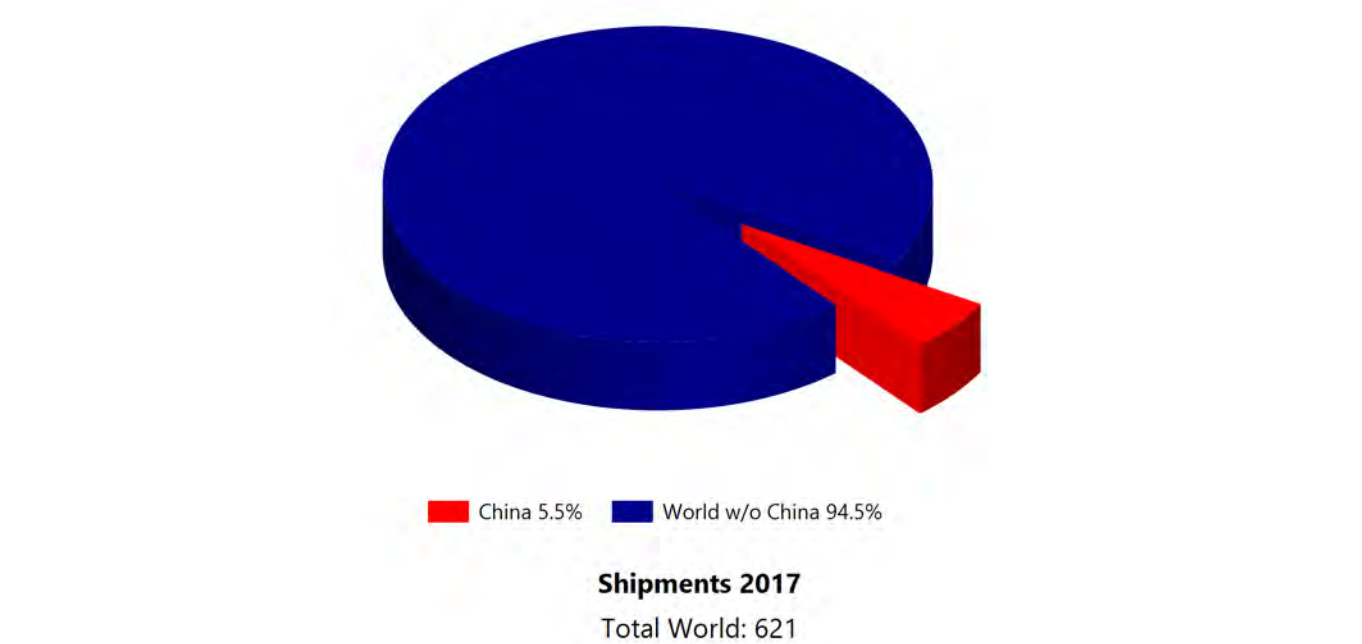
Not specified (destination)	Capacity Installed 2016		Cumulative Shipments 2008 - 2017				Shipments 2017			
	Shuttle Looms	Shuttleless Looms	Shuttleless Looms				Shuttleless Looms			
			Air-Jet	Rapier and Projectile	Water-Jet	Total	Air-Jet	Rapier and Projectile	Water-Jet	Total
Not specified			1	154		155		118		118

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Country	Company	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	(All Chinese Manufacturers)	x	x	x	x	x	x	x	x	x	x
Chinese Taipei	Jiunn Long	x	x	x	x	x	x	x	x	x	x
	LKM	x	x	x	x	x	x	x	x	x	x
	Pai Lung	x	x	x	x	x	x	x	x	x	x
	San Da	x	x	x	x	x	-	-	-	-	-
	Shin Ta	x	-	-	-	-	-	-	-	-	-
Germany	Mayer & Cie.	x	x	x	x	x	x	x	x	x	x
	Terrot	x	x	x	x	x	x	x	x	x	x
India	Lakshmi	x	x	-	-	-	-	-	-	-	-
Italy	Orizio	x	x	x	x	x	x	x	x	x	x
	Santoni (formerly Vignoni)	x	x	x	x	x	x	x	x	x	x
	Terrot Italy (formerly Pilotelli)	x	x	x	x	x	x	x	x	x	x
Japan	Fukuhara	x	x	x	x	x	x	x	x	x	x
Korea Rep.	Chang Dae	x	x	-	-	-	-	-	-	-	-
	Keum Yong	x	x	x	x	x	x	x	x	x	x
	Ssang Yong	x	x	x	-	-	-	-	-	-	-
Singapore	Unitex	-	x	x	x	x	x	-	-	-	-
U. K.	Monarch UK	x	x	x	x	x	x	x	x	x	x
U.S.A.	Monarch Knitting Machinery Corporation	x	x	x	x	x	x	x	x	x	x

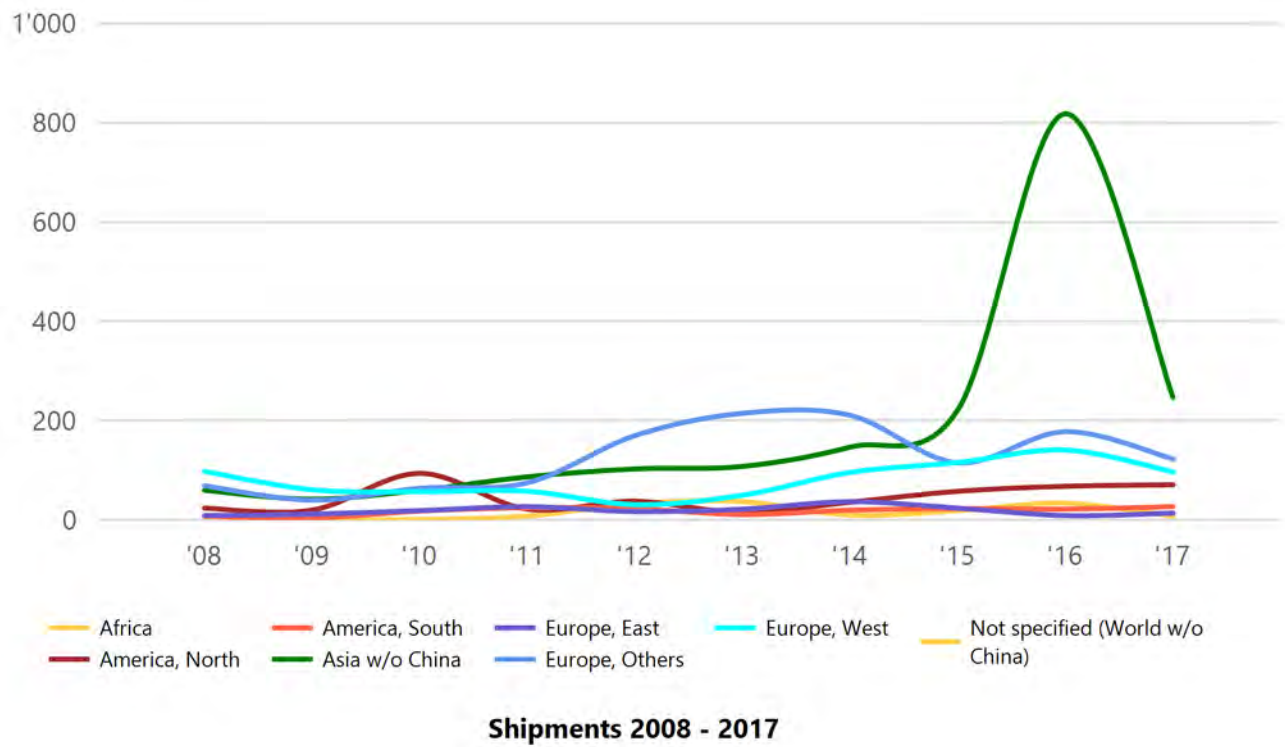
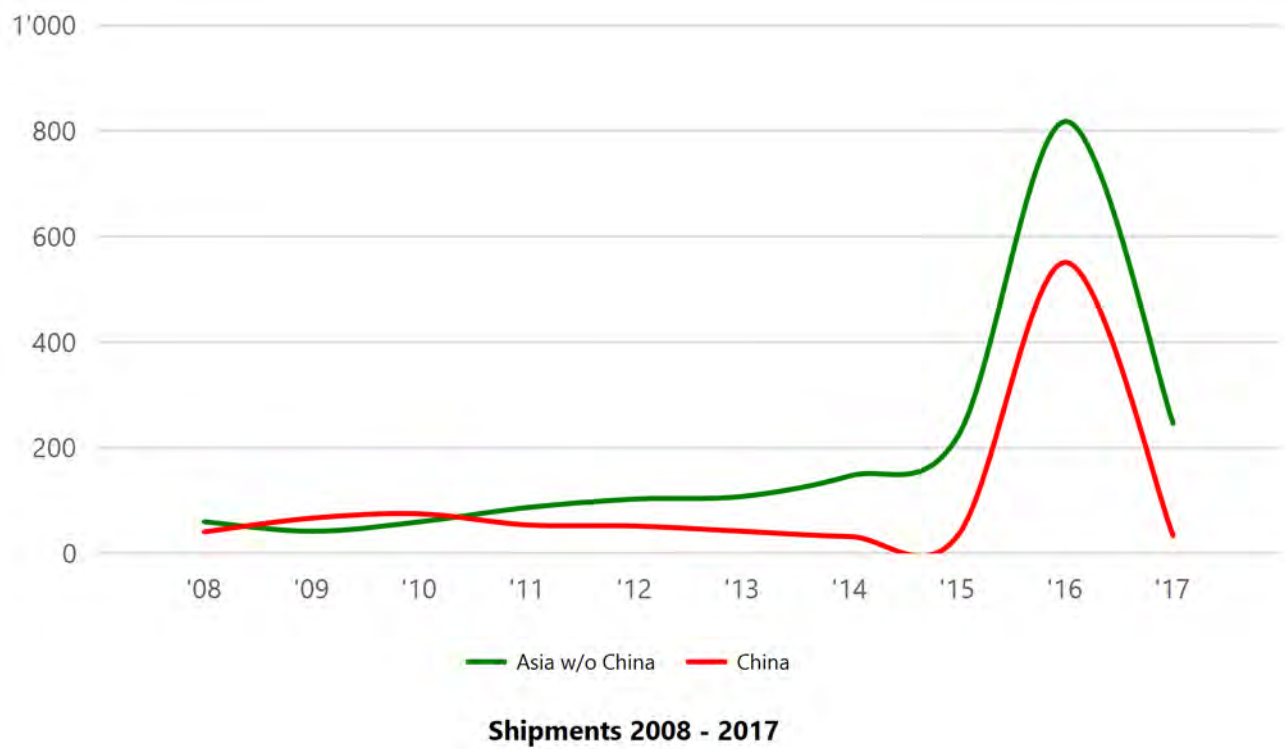
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Electronic Needle Selection (Jacquard) - Shipments



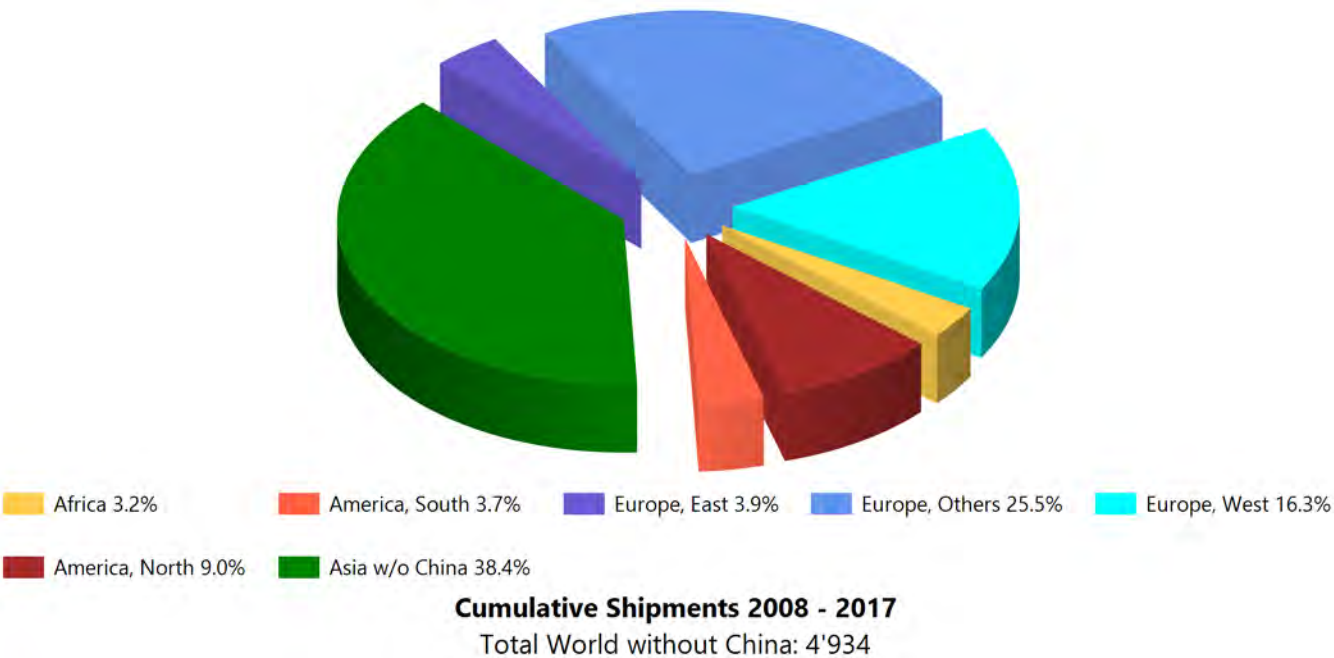
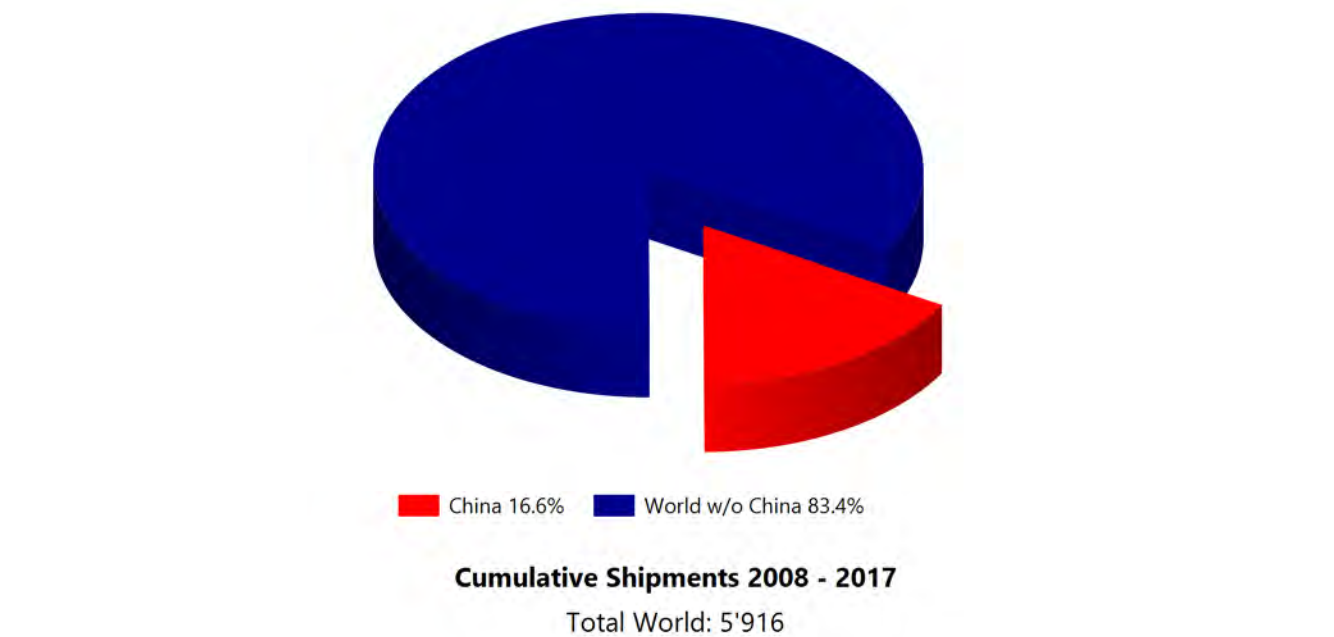
4 Large Circular Knitting Machines

Electronic Needle Selection (Jacquard) - Shipments



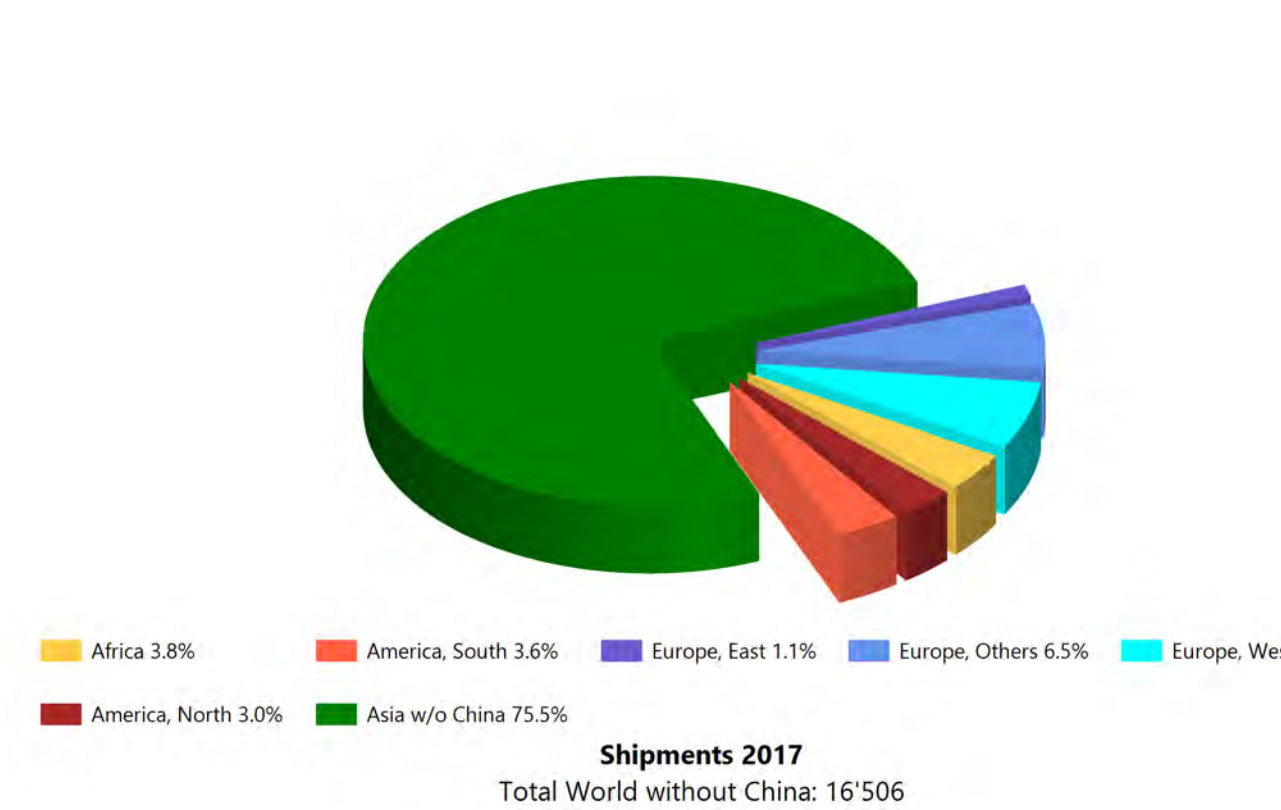
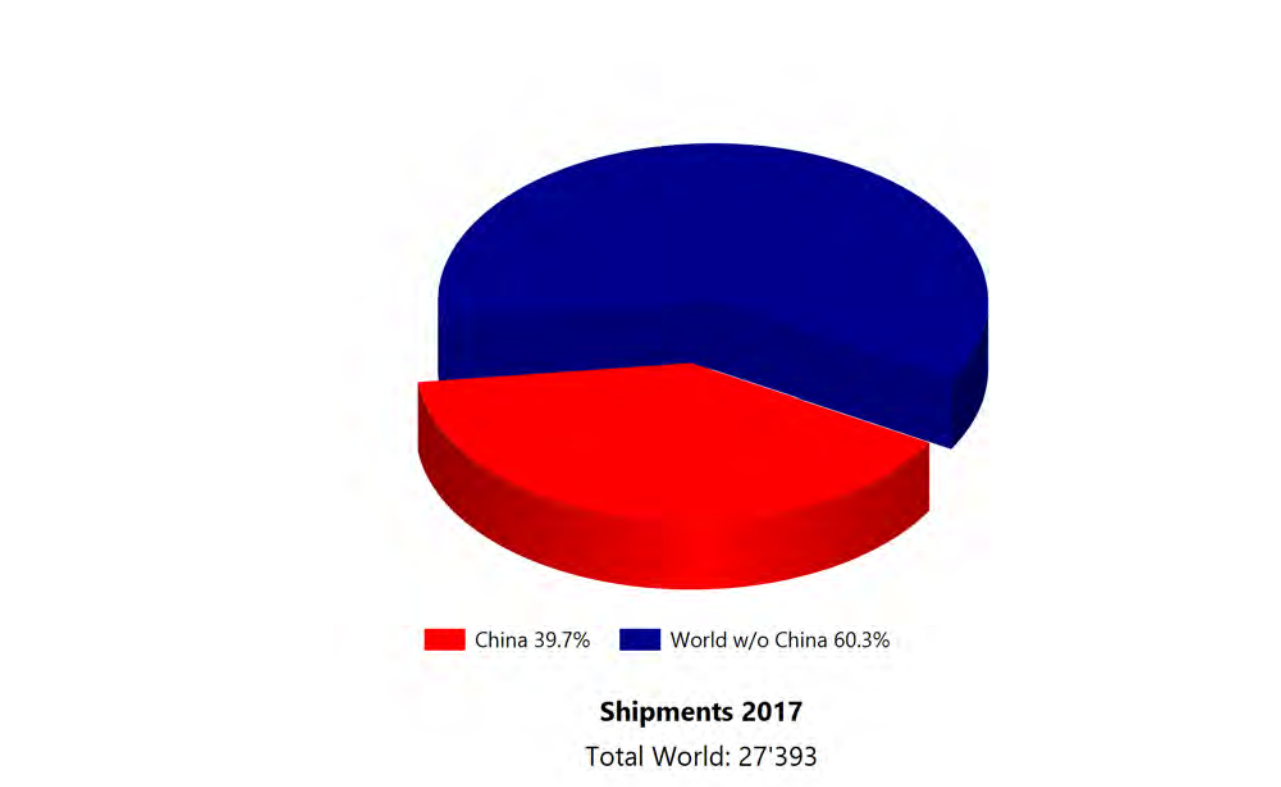
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Electronic Needle Selection (Jacquard) - Cumulative Shipments



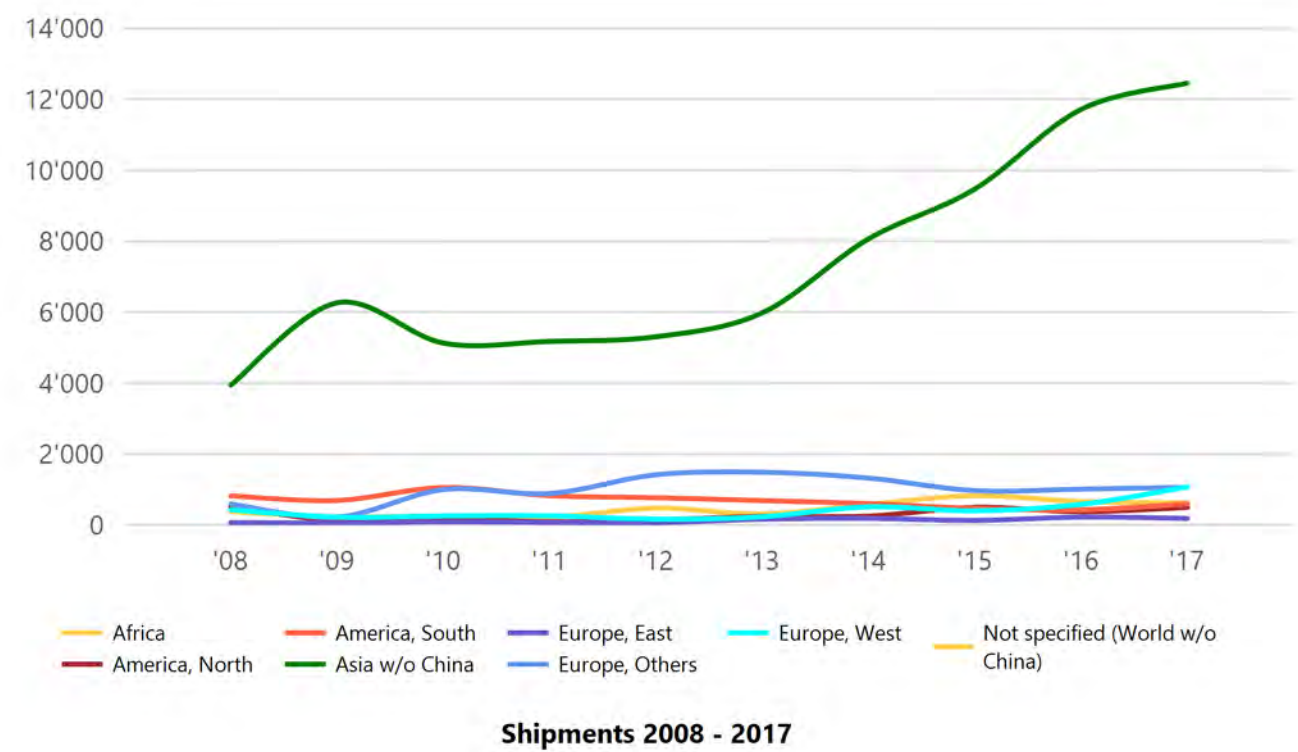
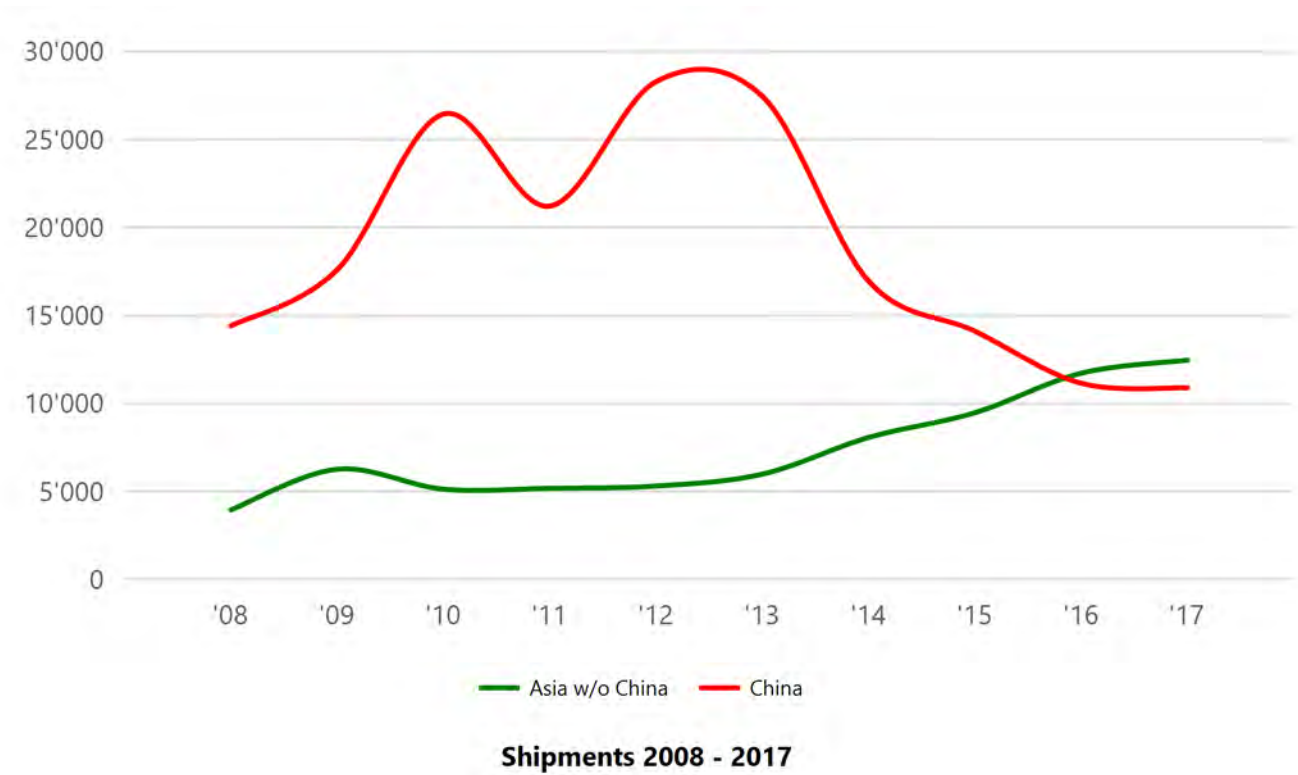
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Large Circular Knitting Machines - Shipments



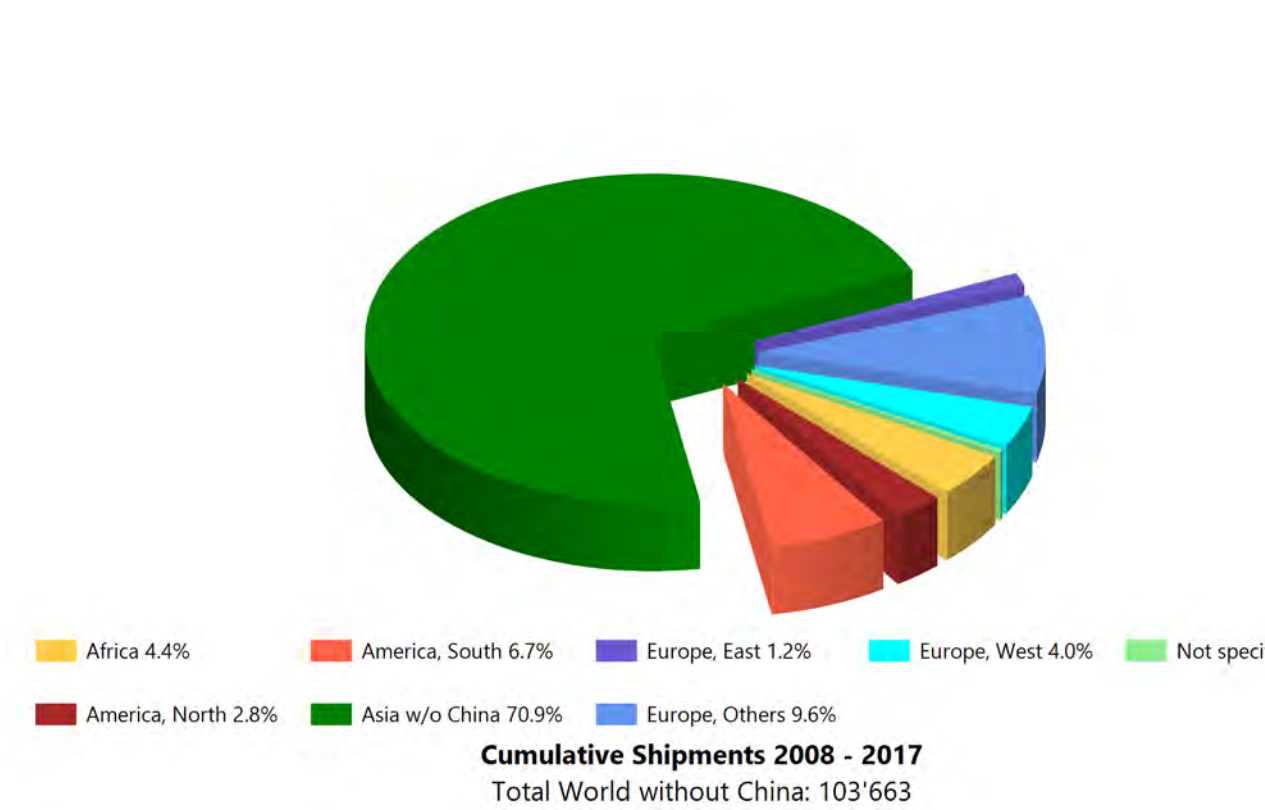
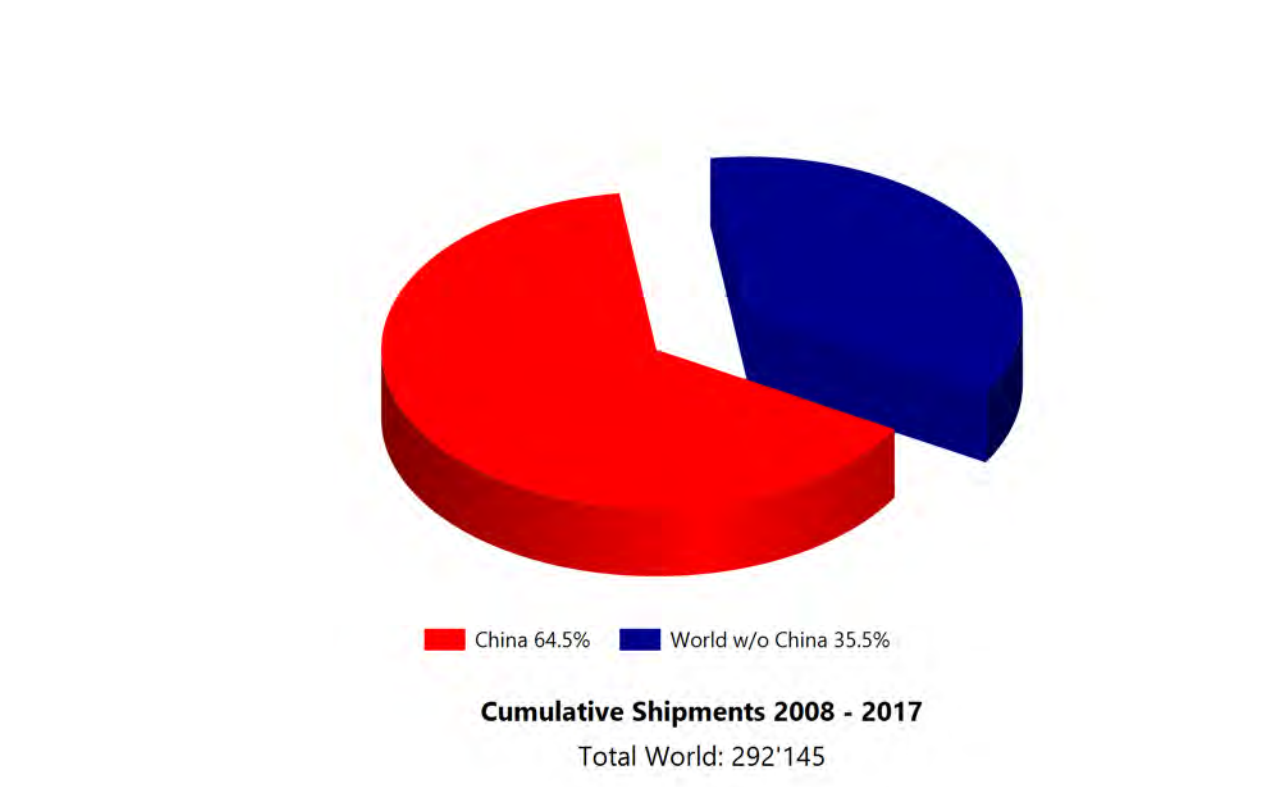
4 Large Circular Knitting Machines

Large Circular Knitting Machines - Shipments



4 Large Circular Knitting Machines

Large Circular Knitting Machines - Cumulative Shipments



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Table 4.1

Continents (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Africa	408	1'852	127	2'186	4'573	158	65	152	4	401	622	8
America, North	238	1'140	82	1'466	2'926	446	24	165	2	307	498	71
America, South	177	4'641	133	2'014	6'965	181	23	265	1	310	599	27
Asia and Oceania	24'549	106'013	14'794	116'652	262'008	2'876	1'850	5'783	196	15'517	23'346	281
Europe, East	73	574	49	565	1'261	190	10	67	1	108	186	14
Europe, Others	391	5'431	258	3'906	9'986	1'260	40	448	13	565	1'066	123
Europe, West	183	1'504	85	2'372	4'144	805	73	289	13	701	1'076	97
Not specified	19	166	34	66	285							
World	26'038	121'318	15'562	129'227	292'145	5'916	2'085	7'169	230	17'909	27'393	621

Table 4.2

Africa (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Algeria	26	21	1	68	116		12	5		17	34	
Botswana	1	5		5	11					1	1	
Cameroon	1	2	2	3	8							
Djibouti	23	58	2	189	272	6	8	17	1	66	92	
Egypt	187	1'035	64	856	2'142	58	24	85	2	178	289	4
Ethiopia	18	90	1	159	268	2	1	2		7	10	
Ghana	4	12	2	29	47							
Ivory Coast	6		2		8							
Kenya	12	22	2	32	68	1		1		3	4	
Libya	2	5	3	5	15							
Madagascar	3	11		27	41		3	6		23	32	
Mauritania	1	2		9	12							
Mauritius	11	188	7	156	362	62	1	3		8	12	
Morocco	22	138	12	194	366	5	1	2		12	15	
Mozambique	1	3		10	14	1						
Nigeria	7	3	3	9	22			1		4	5	
South Africa	25	103	3	219	350	16	6	20	1	55	82	2
Sudan			1		1							
Tanzania	33	59	4	90	186					1	1	
Togo				1	1					1	1	
Tunisia	7	65	18	61	151	6	3	5		10	18	2
Uganda	2	9		13	24	1	1	1			2	
Zambia	6	12		44	62		2	4		14	20	
Zimbabwe	10	9		7	26		3			1	4	
Africa	408	1'852	127	2'186	4'573	158	65	152	4	401	622	8

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Table 4.3

America, North (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Canada	3	21		112	136	97		7		22	29	20
Dominica		8			8							
Dominican Rep.	50	3	2	8	63		1	2		8	11	
El Salvador	7	141		77	225	9	2	14		23	39	4
Guatemala	2	77	3	81	163		1	9		23	33	
Honduras	57	104	38	137	336		1	12		11	24	
Mexico	28	419	11	426	884	88	6	70	1	91	168	19
Nicaragua		10			10							
Panama		4		4	8			1		2	3	
U.S.A.	91	353	28	621	1'093	252	13	50	1	127	191	28
America, North	238	1'140	82	1'466	2'926	446	24	165	2	307	498	71

Table 4.4

America, South (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Argentina	25	631	8	297	961	18	3	43		38	84	5
Bolivia		7		1	8			3			3	
Brazil	67	2'990	70	1'043	4'170	128	11	134	1	178	324	19
Chile	2	23		25	50		1	8		9	18	
Colombia	17	428	7	214	666	26	2	49		27	78	3
Ecuador	7	78	5	89	179	1	2	8		20	30	
Paraguay		7		1	8							
Peru	36	412	28	297	773	8	4	19		36	59	
Uruguay		8		2	10			1		2	3	
Venezuela	23	57	15	45	140							
America, South	177	4'641	133	2'014	6'965	181	23	265	1	310	599	27

Table 4.5

Asia and Oceania (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Afghanistan		1			1							
Australia	3	13	6	25	47	10						
Bangladesh	999	6'339	293	4'317	11'948	77	98	469	9	705	1'281	3
Cambodia	24	86	7	151	268		1	2		8	11	
China	18'660	75'786	12'303	81'733	188'482	982	908	2'362	101	7'516	10'887	34
Chinese Taipei	285	1'218	145	2'063	3'711	298	27	84	3	275	389	44
Hong Kong, China	61	186	15	247	509	5	24	17	1	6	48	1

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Table 4.5

Asia and Oceania (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
India	1'952	8'308	666	11'671	22'597	259	408	1'368	41	3'299	5'116	15
Indonesia	392	4'126	271	3'410	8'199	157	82	283	9	748	1'122	7
Iran	81	674	28	860	1'643	115	23	85	3	266	377	44
Iraq	5	2	16	2	25							
Israel		12		3	15	2		8			8	
Japan	9	187	46	409	651	86	2	18	2	40	62	7
Jordan	2	13		8	23							
Kazakhstan	5	18	1	47	71	3				1	1	
Korea, P.R.	9	29	3	50	91					1	1	
Korea, Rep.	167	1'861	38	1'679	3'745	418	17	111	2	195	325	76
Kyrgyzstan	8	17		15	40		1	1		6	8	
Lao Peoples Democratic Republic	1	2		7	10		1	2		7	10	
Macao	414	621	506	759	2'300							
Malaysia	26	590	7	316	939	8	9	138	1	86	234	
Myanmar	26	95	7	162	290	1	4	9		35	48	
Nepal	5	3	3	1	12							
New Zealand		3		3	6	2						
Oman		1			1							
Pakistan	143	725	24	907	1'799	17	39	110	4	325	478	2
Papua New Guinea		1		2	3							
Philippines	212	272	21	216	721	12	8	33	1	56	98	
Saudi Arabia	5	10		39	54		4	7		29	40	
Singapore	91	345	57	443	936	2	2	4		14	20	
Sri Lanka	21	159	3	226	409	4	5	11	1	54	71	1
Syria	45	335	38	170	588	4	3	7		29	39	
Tadzhikistan		24		7	31							
Thailand	222	724	115	1'321	2'382	309	30	20	1	126	177	35
Turkmenistan		7		3	10							
U.S.S.R.(Ex-)		3			3							
United Arab Emirates	59	136	6	469	670	11	3	6		23	32	1
Uzbekistan	121	687	42	780	1'630	5	32	139	4	284	459	
Vietnam	494	2'390	127	4'117	7'128	89	119	489	13	1'383	2'004	11
Yemen	2	4		14	20							
Asia and Oceania	24'549	106'013	14'794	116'652	262'008	2'876	1'850	5'783	196	15'517	23'346	281

Table 4.6

Europe, East (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Azerbaijan		15		2	17							
Belarus		33		11	44							
Bosnia And Herzegovina			11		11							
Bulgaria		9		14	23	1		4		5	9	

4 Large Circular Knitting Machines

Table 4.6

Europe, East (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Croatia	10	2	19	1	32							
Czech Republic	7	11	5	27	50	1	1	7		7	15	
Estonia	1	1		22	24	7	1	1		6	8	
Latvia		2		1	3	1						
Lithuania		8		10	18	9		1		3	4	1
Macedonia		1			1							
Poland	9	129	1	161	300	78	1	12		26	39	8
Romania		17		41	58	32				4	4	4
Russia	45	272	13	203	533	19	7	39	1	55	102	1
Serbia		18		2	20			3		2	5	
Slovakia		2		49	51	42						
Slovenia		2			2							
U.S.S.R.(Ex-)		3			3							
Ukraine	1	49		21	71							
Europe, East	73	574	49	565	1'261	190	10	67	1	108	186	14

Table 4.7

Europe, Others (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Turkey	391	5'431	258	3'906	9'986	1'260	40	448	13	565	1'066	123
Europe, Others	391	5'431	258	3'906	9'986	1'260	40	448	13	565	1'066	123

Table 4.8

Europe, West (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Austria	1	62		42	105	2		1		3	4	
Belgium	1	19	4	149	173	122			3	20	23	13
Denmark		6		63	69	37		2		13	15	7
Finland		1			1	1		1			1	1
France	1	68	1	61	131	37	1	7		14	22	3
Germany	56	176	48	370	650	78	9	27	5	108	149	10
Greece	6	23	1	21	51	8	1	1		6	8	2
Ireland	1	7	3	18	29	1		1		2	3	
Italy	46	472	19	630	1'167	213	7	53	1	106	167	19
Malta				1	1							
Netherlands		6		25	31	11						
Norway				1	1							

4 Large Circular Knitting Machines

Table 4.8

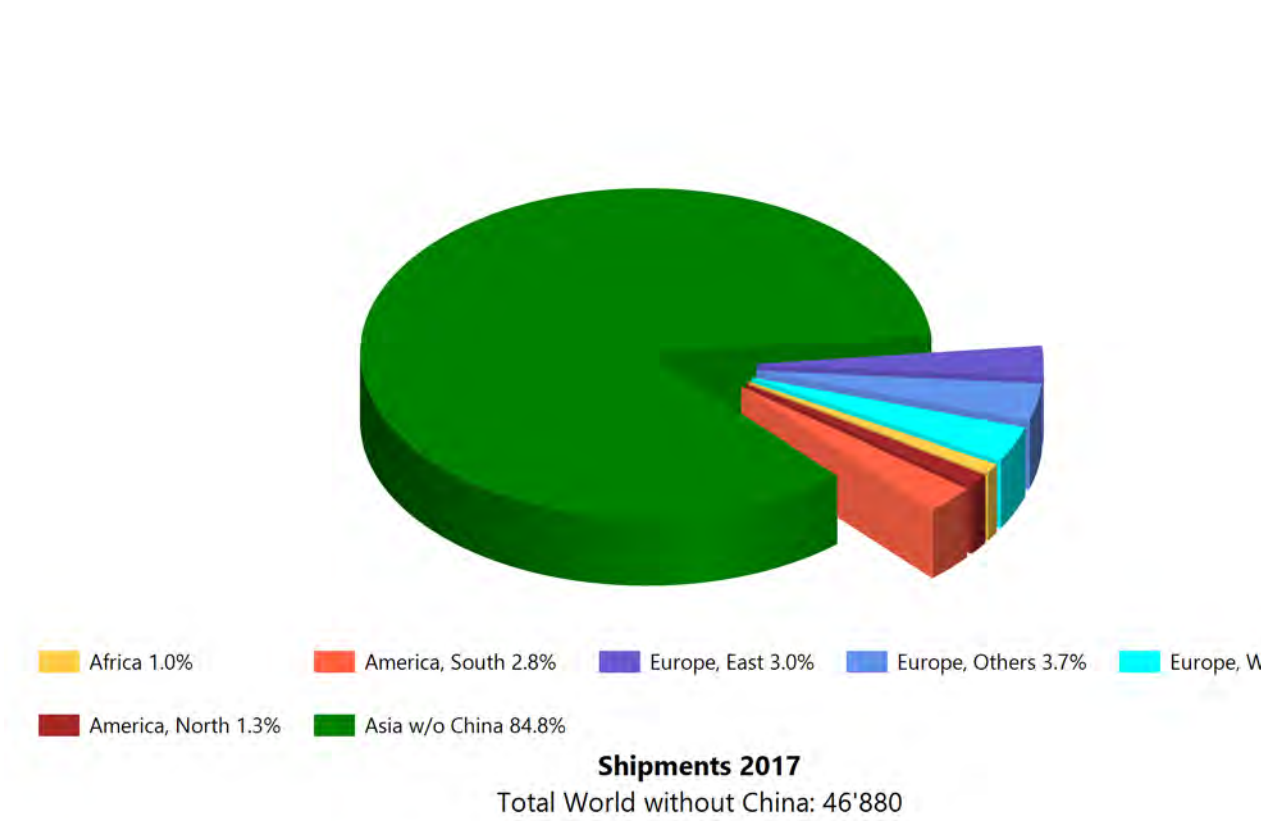
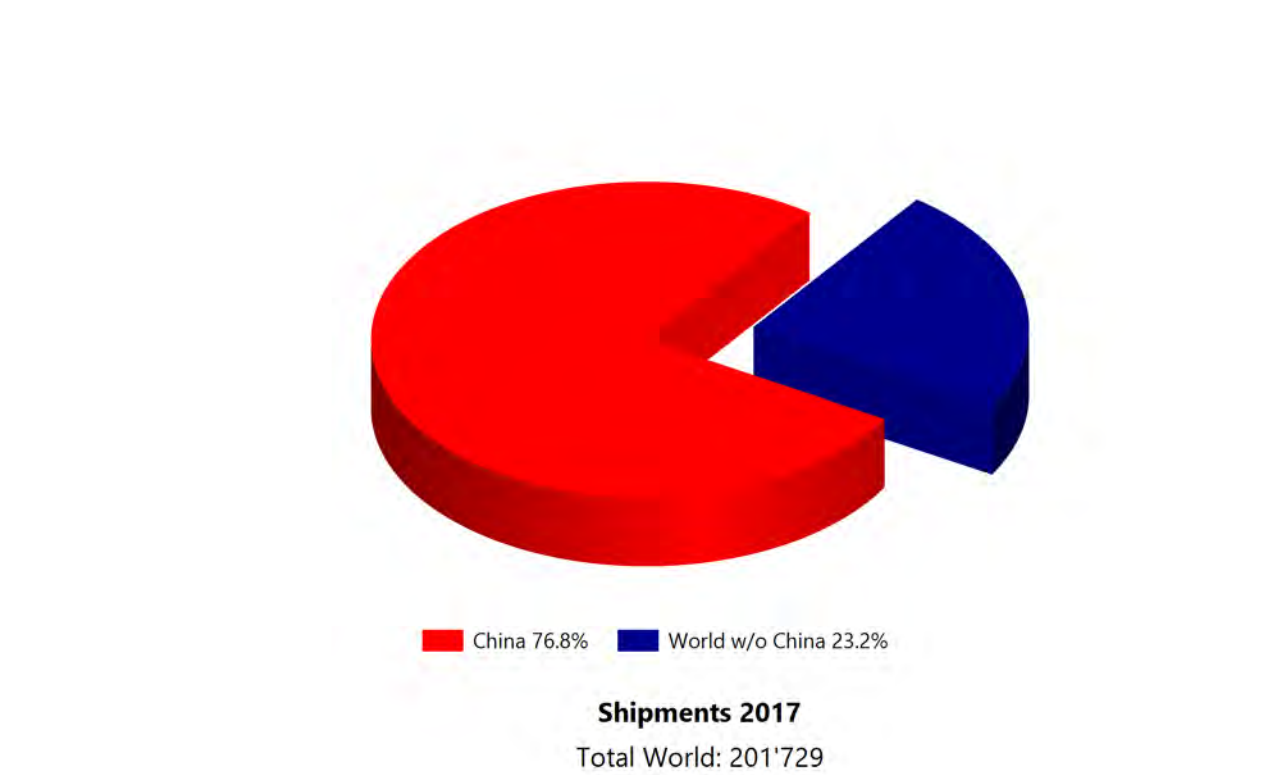
Europe, West (destination)	Cumulative Shipments 2008 - 2017						Shipments 2017					
	Single		Double		Total	Electronic Needle Selection (Jacquard)	Single		Double		Total	Electronic Needle Selection (Jacquard)
	Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)			Single (up to 24 inch)	Single (26 inch or over)	Double (up to 24 inch)	Double (26 inch or over)		
Portugal	6	366	3	266	641	142	1	77		52	130	20
Spain	12	110	2	271	395	121	2	11		52	65	17
Sweden		2		2	4			1		1	2	
Switzerland				1	1							
United Kingdom	53	186	4	451	694	32	52	107	4	324	487	5
Europe, West	183	1'504	85	2'372	4'144	805	73	289	13	701	1'076	97

5 Flat Knitting Machines

Country	Company	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
China	(All Chinese Manufacturers)	x	x	x	x	x	x	x	x	x	x
Chinese Taipei	Pai Lung	-	-	-	x	x	x	x	x	x	x
Germany	Stoll	x	x	x	x	x	x	x	x	x	-
Japan	Shima Seiki	x	x	x	x	x	x	x	x	x	x
Switzerland	Steiger	x	x	x	x	x	x	x	x	x	x

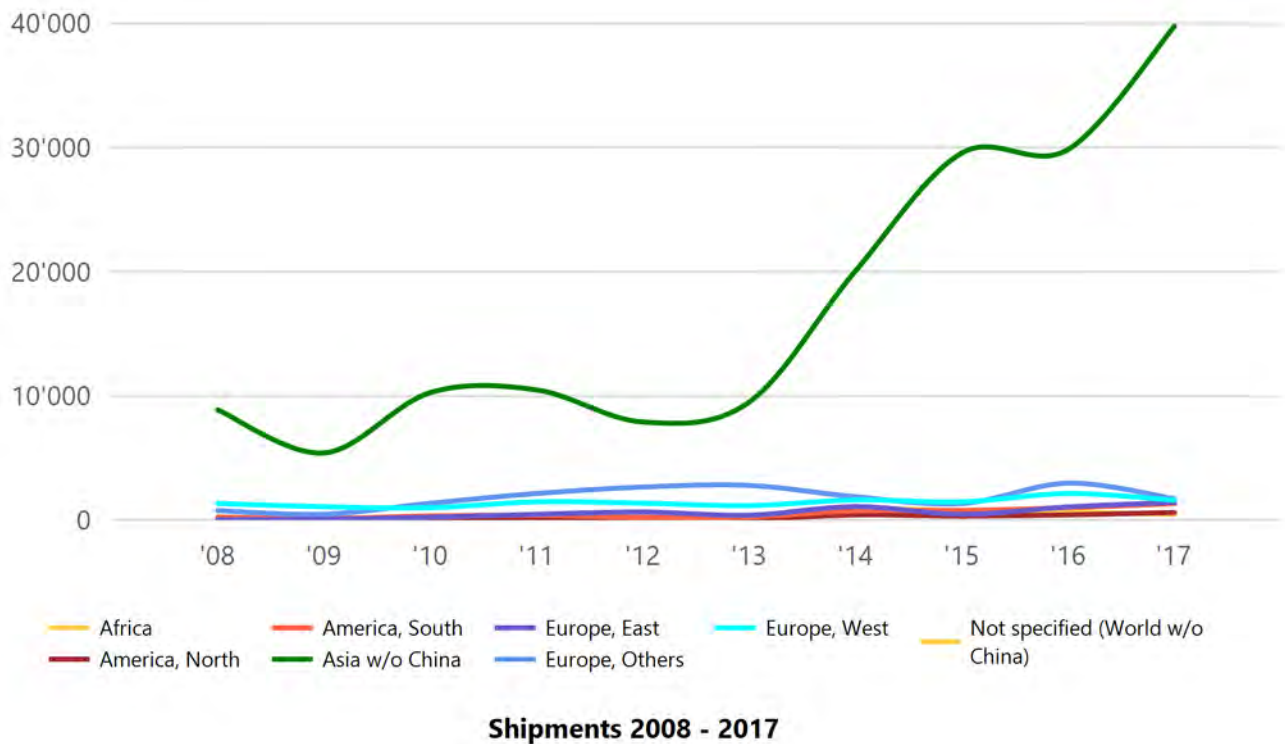
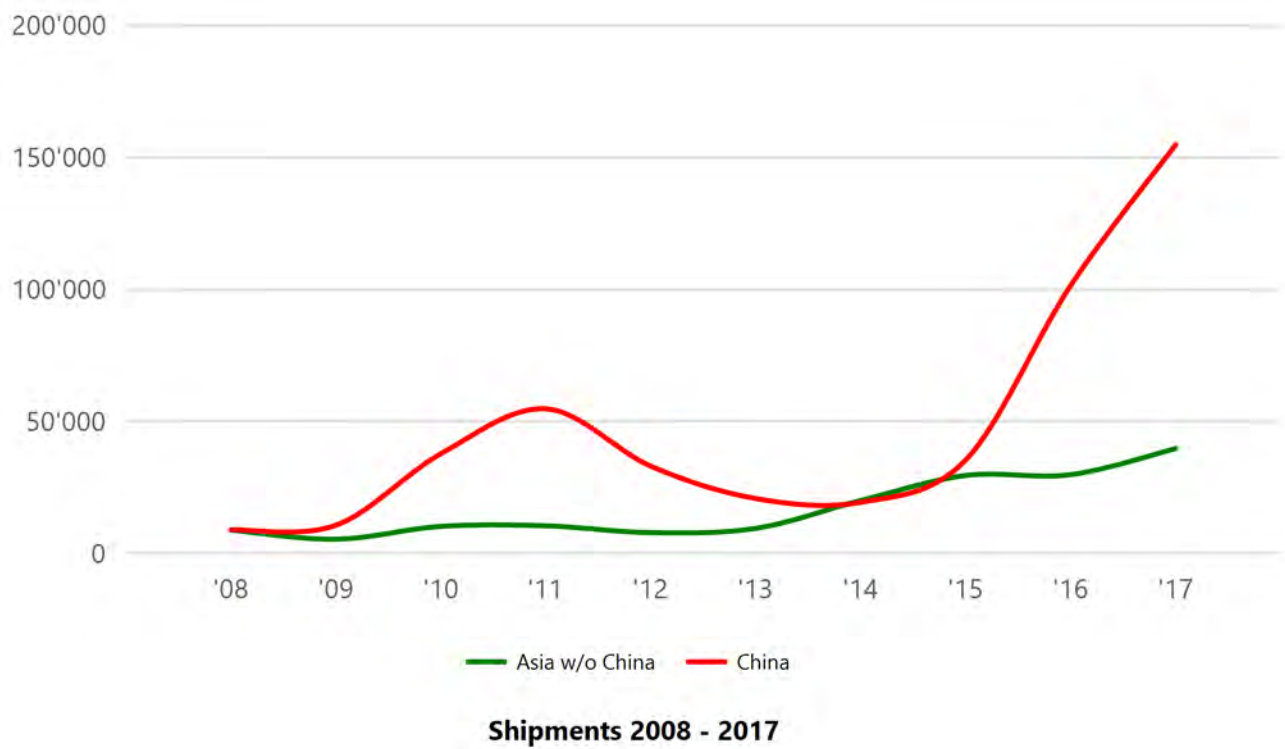
5 Flat Knitting Machines

Electronic Flat Knitting Machines - Shipments



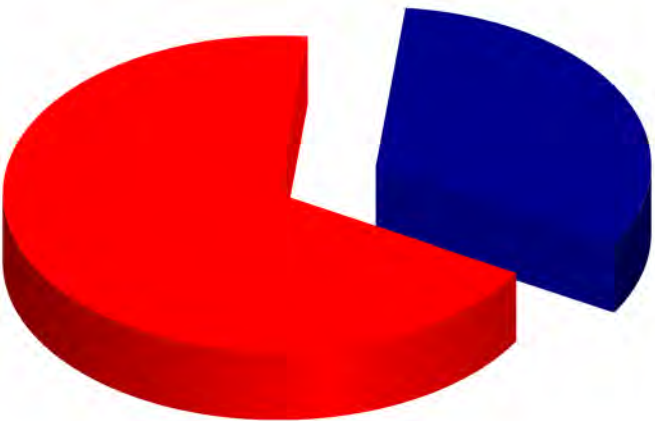
5 Flat Knitting Machines

Electronic Flat Knitting Machines - Shipments



5 Flat Knitting Machines

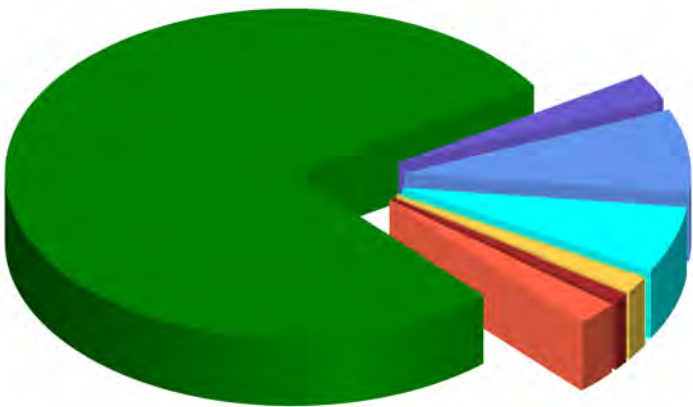
Electronic Flat Knitting Machines - Cumulative Shipments



China 68.4% World w/o China 31.6%

Cumulative Shipments 2008 - 2017

Total World: 698'147



Africa 1.6% America, South 2.4% Europe, East 2.6% Europe, West 6.4% Not specified 0.0%
America, North 1.0% Asia w/o China 77.8% Europe, Others 8.2%

Cumulative Shipments 2008 - 2017

Total World without China: 220'787

5 Flat Knitting Machines

Table 5.1

Continents (destination)	Cumulative Shipments 2008 - 2017		Shipments 2017		
	Electronic Flat Knitting Machines		Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Africa	3'342	120	3'462	451	451
America, North	1'954	165	2'119	607	607
America, South	4'875	515	5'390	1'320	1'322
Asia and Oceania	640'293	8'732	649'025	194'583	194'609
Europe, East	5'599	246	5'845	1'417	1'417
Europe, Others	17'859	215	18'074	1'721	1'721
Europe, West	12'963	1'258	14'221	1'599	1'602
Not specified	11		11		
World	686'896	11'251	698'147	201'698	201'729

Table 5.2

Africa (destination)	Cumulative Shipments 2008 - 2017		Shipments 2017		
	Electronic Flat Knitting Machines		Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Algeria	6		6		
Angola	40	11	51		
Benin	8		8		
Botswana	6		6		
Djibouti	27		27	18	18
Egypt	307	11	318	57	57
Ethiopia	120	7	127	38	38
Ghana	12		12		
Ivory Coast	2		2		
Kenya	1'044	31	1'075	142	142
Madagascar	553	21	574	84	84
Mali	2		2	2	2
Mauritius	421	12	433	37	37
Morocco	307	15	322	11	11
Mozambique	1		1		
Niger	13		13		
Nigeria	38	3	41	2	2
Rwanda	1		1		
South Africa	211	5	216	39	39
Swaziland	4		4		
Tanzania	60	2	62	19	19
Tunisia	66		66		
Uganda	58	2	60		
Zimbabwe	35		35	2	2
Africa	3'342	120	3'462	451	451

5 Flat Knitting Machines

Table 5.3

America, North (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Canada	13		13			
Costa Rica	1		1			
Dominican Rep.	9	1	10			
El Salvador	2	15	17			
Guatemala	34	4	38	24		24
Mexico	1'310	43	1'353	410		410
Panama	1		1			
Puerto Rico	7		7			
U.S.A.	577	102	679	173		173
America, North	1'954	165	2'119	607		607

Table 5.4

America, South (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Argentina	847	152	999	245		245
Bolivia	44	4	48	20		20
Brazil	2'385	238	2'623	650	1	651
Chile	260	9	269	70		70
Colombia	348	7	355	78		78
Ecuador	142	45	187	33		33
Paraguay	4		4	4		4
Peru	714	48	762	218	1	219
Uruguay	19		19	2		2
Venezuela	112	12	124			
America, South	4'875	515	5'390	1'320	2	1'322

Table 5.5

Asia and Oceania (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Australia	102	7	109	7		7
Bahrain	40		40	30		30
Bangladesh	79'734	899	80'633	18'028	14	18'042
Brunei Darussalam	28	3	31			
Cambodia	7'500	78	7'578	1'243		1'243
China	470'703	6'657	477'360	154'849		154'849
Chinese Taipei	1'411	148	1'559	245		245
Fiji	6		6	6		6

5 Flat Knitting Machines

Table 5.5

Asia and Oceania (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Hong Kong, China	25'240	94	25'334	2'269		2'269
India	12'707	292	12'999	2'883		2'883
Indonesia	3'946	80	4'026	616		616
Iran	234	14	248	56	4	60
Iraq	125		125	125		125
Israel	4		4			
Japan	1'719	42	1'761	162		162
Jordan	247		247			
Kazakhstan	333	8	341	27		27
Korea, P.R.	423	15	438	76		76
Korea, Rep.	4'006	88	4'094	437	8	445
Kuwait	7		7			
Kyrgyzstan	81	8	89	2		2
Lao Peoples Democratic Republic	12		12	8		8
Lebanon	9		9			
Macao	601		601			
Malaysia	167	1	168	21		21
Maldives	2		2			
Mongolia	458	21	479	46		46
Myanmar	2'653	47	2'700	857		857
Nepal	174		174	57		57
New Zealand	53		53	8		8
Pakistan	1'142	9	1'151	114		114
Philippines	139	2	141	42		42
Qatar	4		4			
Saudi Arabia	47		47			
Singapore	662	17	679	5		5
Sri Lanka	1'776	14	1'790	44		44
Syria	146		146	10		10
Tadzhikistan	10		10			
Thailand	8'089	38	8'127	5'324		5'324
Turkmenistan	12		12			
United Arab Emirates	321	56	377	92		92
Uzbekistan	531	9	540	319		319
Vietnam	14'689	85	14'774	6'575		6'575
Asia and Oceania	640'293	8'732	649'025	194'583	26	194'609

Table 5.6

Europe, East (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Azerbaijan	20	2	22	2		2
Belarus	56		56	21		21

5 Flat Knitting Machines

Table 5.6

Europe, East (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Bulgaria	63	8	71	13		13
Croatia	37	1	38			
Czech Republic	8	2	10			
Estonia	4	4	8			
Georgia	46	2	48	25		25
Hungary	6	1	7			
Latvia	14	7	21			
Lithuania	38	1	39	5		5
Poland	99	51	150	10		10
Romania	195	28	223	11		11
Russia	4'368	131	4'499	1'094		1'094
Serbia	51		51	50		50
Slovakia	3	1	4	2		2
Slovenia	5		5			
Ukraine	586	7	593	184		184
Europe, East	5'599	246	5'845	1'417		1'417

Table 5.7

Europe, Others (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Turkey	17'859	215	18'074	1'721		1'721
Europe, Others	17'859	215	18'074	1'721		1'721

Table 5.8

Europe, West (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Austria	11	6	17			
Belgium	363	24	387			
Cyprus	8		8			
Denmark	1	4	5			
Finland	6	5	11			
France	236	43	279	11	1	12
Germany	1'025	275	1'300	138		138
Greece	11	3	14			
Ireland	45		45			
Italy	9'173	737	9'910	1'178	2	1'180
Monaco	7	5	12			

5 Flat Knitting Machines

Table 5.8

Europe, West (destination)	Cumulative Shipments 2008 - 2017			Shipments 2017		
	Electronic Flat Knitting Machines		Total	Electronic Flat Knitting Machines		Total
	Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over		Flat Knitting Machines up to 70"	Flat Knitting Machines 70" and over	
Netherlands	54	2	56	9		9
Norway	12	11	23	1		1
Portugal	112	19	131	17		17
Spain	805	50	855	118		118
Sweden	14	3	17			
Switzerland	180	7	187	43		43
United Kingdom	900	64	964	84		84
Europe, West	12'963	1'258	14'221	1'599	3	1'602

6 Finishing Machines

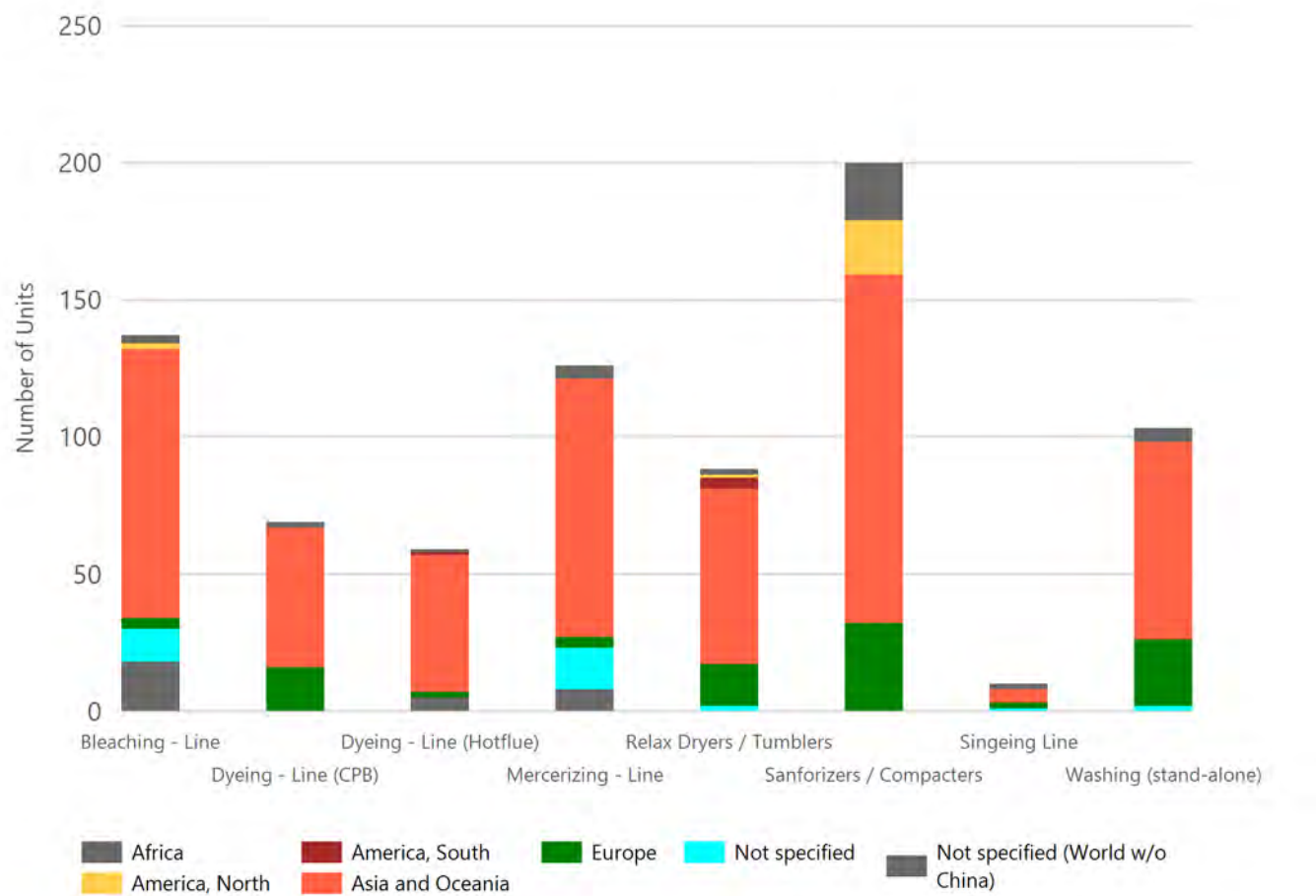
Country	Company	2015	2016	2017
China	(All Chinese Manufacturers)	x	x	x
Germany	Brueckner	x	x	x
	Fong's Europe (formerly Goller)	x	x	x
	Jagenberg	-	x	-
	Karl Menzel Maschinenfabrik GmbH & Co.	x	x	x
	Kuesters (Benninger)	x	x	x
	Monforts	x	x	x
Hong Kong, China	CHCT (formerly Fong's)	x	x	x
India	Dalal	-	x	x
	Dhall	x	-	x
	Harish	x	-	x
	Indian Textile Engineers	x	-	x
	InspirOn Engineering Pvt. Ltd.	x	x	x
	JK Textile	x	x	x
	Kuesters Calico Machinery	x	x	x
	Lakshmi Card Clothing	x	-	x
	Peass Inds.	x	x	x
	Radiant Engineering	x	x	x
	Screenotex	x	x	x
	Stalmec	x	x	x
	Stovec Industries	x	-	-
	Yamuna	x	x	x
Italy	Biancalani	x	x	x
	Bianco	x	x	-
	EFI Reggiani (formerly Reggiani)	x	x	x
	Ferraro	-	x	x
Korea Rep.	EHWHA Glotech	-	x	x
Netherlands	Brugman	x	x	x
Spain	Icomatex	-	x	x
Switzerland	Benninger	x	x	x

6 Finishing Machines

Country	Company	2015	2016	2017
Switzerland	Santex Rimar	x	x	x
Turkey	Has Group	x	x	x
USA	Kusters Zima	x	x	x
	Morrison Textile Machinery	x	x	x
	Navis TubeTex	x	x	x

6 Finishing Machines

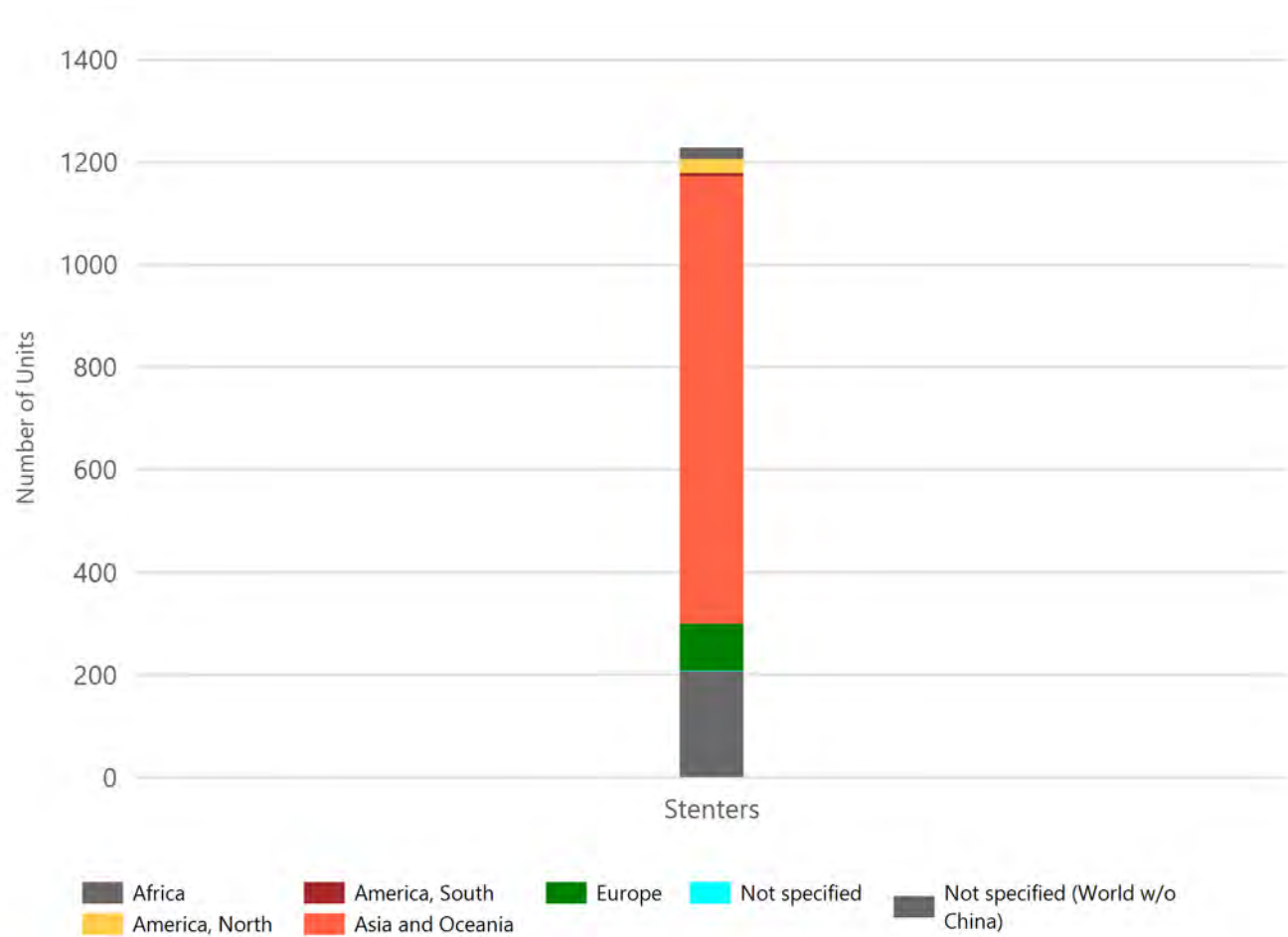
Finishing Machinery (Fabrics Continuous)



Shipments of Finishing Machinery (Fabrics Continuous) in 2017

6 Finishing Machines

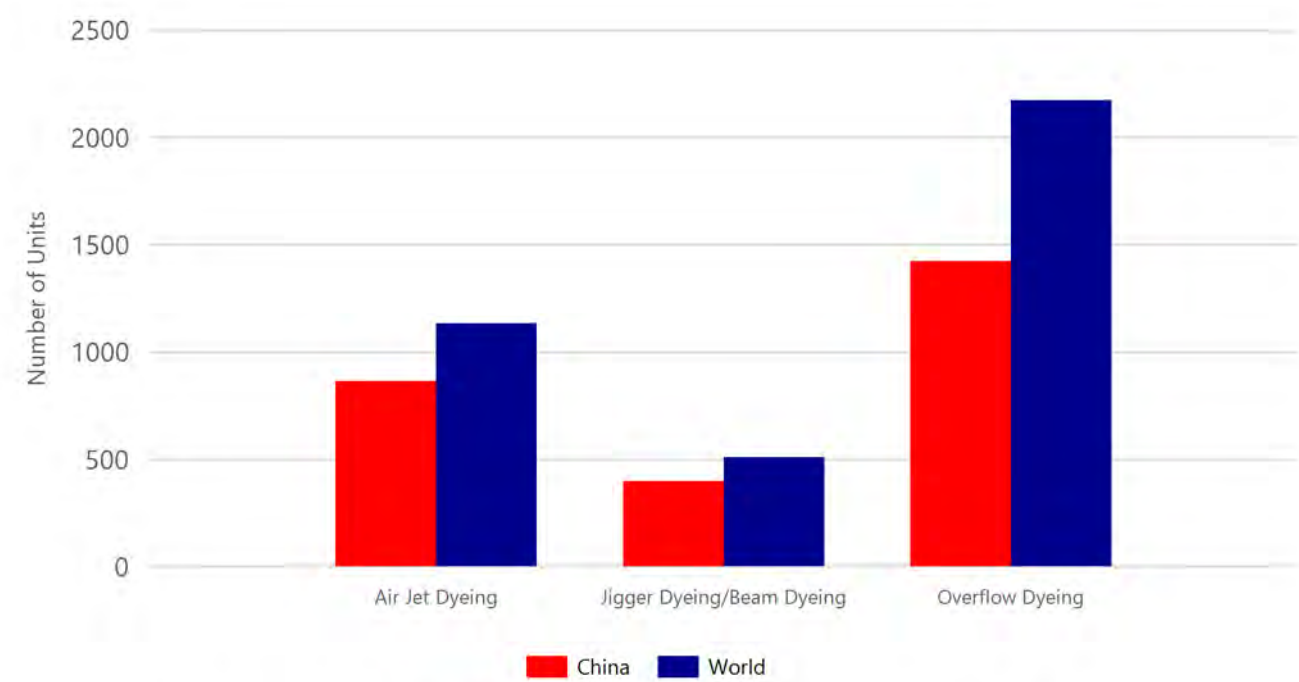
Finishing Machinery (Fabrics Continuous)



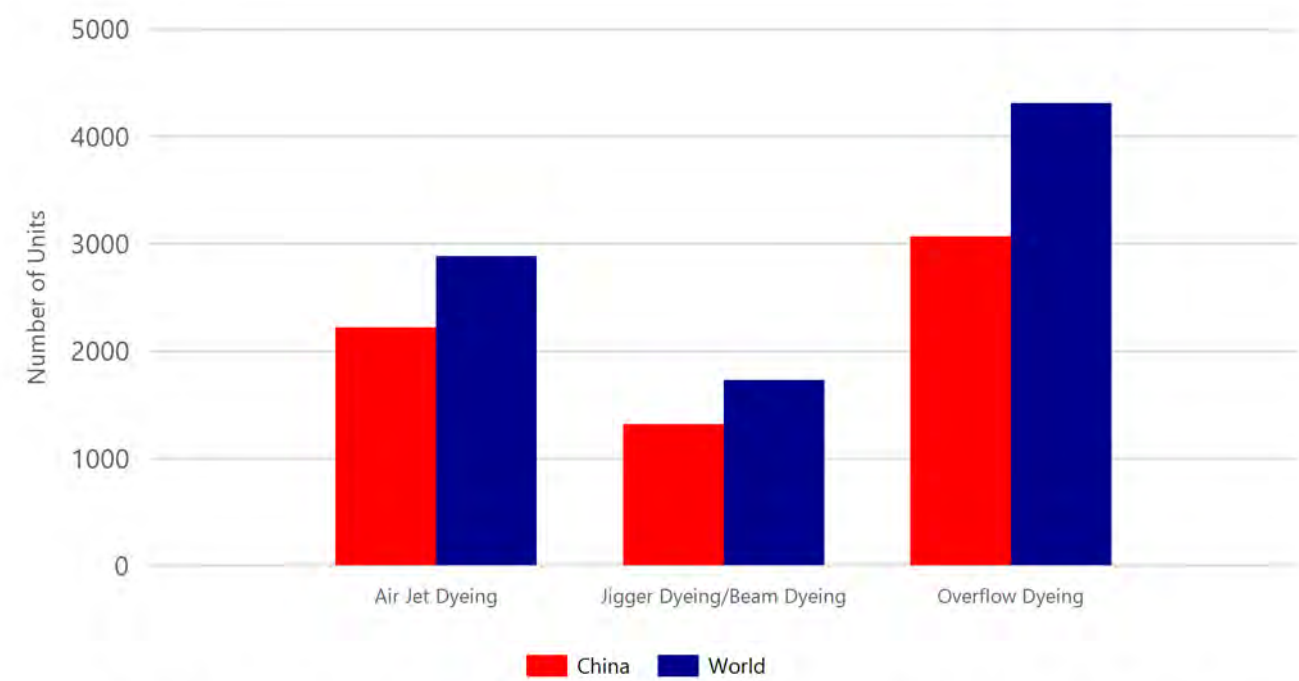
Shipments of Finishing Machinery (Fabrics Continuous) in 2017

6 Finishing Machines

Finishing Machinery (Fabrics Discontinuous)



Shipments of Finishing Machinery (Fabrics Discontinuous) in 2017



Cumulative Shipments of Finishing Machinery (Fabrics Discontinuous) in 2015 - 2017

6 Finishing Machines

Table 6.1

Continents (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Africa	3	2	1	5	2	21	2	22	5		2	
America, North	2				1	20		28				7
America, South			1		4			6		1		1
Asia and Oceania	98	51	50	94	64	127	5	872	72	885	431	1'889
Europe, East	1	1			1	6	1	14	6		3	12
Europe, Others	3	5	1	4	10	17	1	56	6	6		24
Europe, West		10	1		4	9		22	12	1	5	3
Not specified	12			15	2		1	1	2		6	
Not specified (World w/o China)	18		5	8				207		241	63	236
World	137	69	59	125	88	200	10	1'227	103	1'134	510	2'172

Table 6.2

Africa (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Algeria			1			2		11	2		1	
Cameroon											1	
Egypt	2	1		2		15	2	4	3			
Ethiopia								1				
Ivory Coast				1								
Kenya		1		1								
Mauritius					1			1				
Morocco						3		2				
South Africa					1	1		3				
Tunisia	1											
Africa	3	2	1	5	2	21	2	22	5		2	

Table 6.3

America, North (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Guatemala						2		1				2
Honduras						10						4
Mexico	2					7		10				1
Panama								1				
U.S.A.					1	1		16				
America, North	2				1	20		28				7

6 Finishing Machines

Table 6.4

America, South (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Argentina			1		1							
Brazil					2			1				
Colombia								4				1
Peru					1					1		
America, South			1		4			6		1		1

Table 6.5

Asia and Oceania (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Bangladesh	6	13	3	1	5	35	1	53	5			136
China	38	8	33	33	21	23		681	31	866	398	1'422
Chinese Taipei		1							7			5
Hong Kong, China												1
India	51	24	12	54	21	28	3	62	18	7	19	113
Indonesia	2	1		1	2	2		14	2	4		32
Iran							1	5	1			
Japan					1							
Korea, Rep.					1			12				
Malaysia												10
Pakistan	1	3	2	4	1	13		13	6			19
Philippines												12
Sri Lanka				1				1	1		2	16
Syria						3						
Thailand		1				2		4				5
United Arab Emirates								1				
Uzbekistan						12		1				12
Vietnam					12	9		25	1	8	12	106
Asia and Oceania	98	51	50	94	64	127	5	872	72	885	431	1'889

6 Finishing Machines

Table 6.6

Europe, East (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Czech Republic							1	1	2			
Poland					1	3			1			
Romania								1				12
Russia	1	1				3		8	2		3	
Slovakia								1				
Slovenia								1	1			
Ukraine								2				
Europe, East	1	1			1	6	1	14	6		3	12

Table 6.7

Europe, Others (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Turkey	3	5	1	4	10	17	1	56	6	6		24
Europe, Others	3	5	1	4	10	17	1	56	6	6		24

Table 6.8

Europe, West (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Austria								5	2			
Belgium											1	
France					1			2			1	
Germany		8				1		4	2			1
Italy					1	3		3	4		3	
Netherlands									1			
Portugal		2			2	3		3	3	1		2
Spain						1		1				
Switzerland			1			1		2				
United Kingdom								2				
Europe, West		10	1		4	9		22	12	1	5	3

6 Finishing Machines

Table 6.9

Not specified (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Not specified	12			15	2		1	1	2		6	

Table 6.10

Not specified (World w/o China) (destination)	Shipments 2017											
	Fabrics Continuous (Wovens & Knits)									Fabrics Discontinuous (Wovens & Knits)		
	Bleaching - Line	Dyeing - Line (CPB)	Dyeing - Line (Hotflue)	Mercerizing - Line	Relax Dryers / Tumblers	Sanforizers / Compacters	Singeing Line	Stenters	Washing (stand- alone)	Air Jet Dyeing	Jigger Dyeing/Bea m Dyeing	Overflow Dyeing
Not specified (World w/o China)	18		5	8				207		241	63	236

Annex - List of Participating Chinese Companies

Spinning

Changzhou Tonghe Textile Machinery Co.,Ltd.
CTMC Jingwei Textile Machinery Co., Ltd.
Jiangsu Jinshen Industry Co.
Jinzhong District Textile Machinery Factories
Rieter Textile Systems (Shanghai Co.)
Saurer (Jiangsu) Textile Machinery Co., Ltd.
Shanghai Chunrui Textile Machinery Co., Ltd.
Shanghai No. 2 Textile Machinery Co., Ltd.
Shanxi Best Textile Machinery Co., Ltd.
Shanxi Hongji Co., Ltd.
Zhejiang Rifa Textile Machinery Corp.
Zhejiang Taitan Co., Ltd.
Zhoushan 4806 Factory
LMW Textile Machinery (Su Zhou) Co., Ltd

Texturing

Jiangsu Haiyuan Machinery Co., Ltd.
Jiangsu Hongyuan Textile Machinery Co., Ltd.
Oerlikon China Technology Co., Ltd.
Shaoxing Yuejian Machinery Manufacture Co., Ltd.
Beijing Chonglee Machinery Engineering Co.,Ltd
Shanghai TMT
CTMC Jingwei Textile Machinery Co., Ltd.

Weaving

China Textile Machinery Co., Ltd.
Guangdong Fengkai Machinery Manufacturing Co., Ltd.
Hangzhou Yunchun Textile Machinery Co., Ltd.
Hangzhou Chuangxing Cloud Intelligent Equipment Technology Corp., Ltd
Hua Xin Textile Machinery Co., Ltd.
ITEMA Weaving Machinery (China) Co., Ltd.
Jiao Nan District Weaving Machines Factories
Liaocheng Youjia Textile Machinery Co., Ltd
Picanol (Suzhou) Textile Machinery Co., Ltd.
Pu Sheng Textile Machinery Co.,Ltd.
Shangdong Rifa Textile Machinery Co.,Ltd.
Shanxi Changlin Textile Machinery Co.,Ltd.
Shaoxing Textile Machinery Group Co., Ltd.
Shaoxing Yuejian Machinery Manufacture Co., Ltd.
Suzhou Textile Machinery Co., Ltd.
Wuxi Si Pu Lan Textile Machinery Co., Ltd.
Zhejiang Taitan Co., Ltd.
Zhejiang Wanli Textile Machinery Co., Ltd.
Zhuji Huahai Spinning Machine Co., Ltd.

Circular Knitting

Foshan Textile Machinery Manufactory
Jin Jiang District Knitting Machine Factories
Quan Zhou District Knitting Machinery Factories
Shishi District Knitting Machine Factories
Wuxi Jinlong Textile Machinery Co., Ltd.
Xia Men District Knitting Machine Factories
Zhang Zhou District Knitting Machine Factories
Zhejiang Rifa Textile Machinery Corp.

Flat Knitting

Changshu Jinlong Textile Machinery Co., Ltd.
Fujian Hongqi Co., Ltd.
Hai an Tianyuan Machinery Co., Ltd.

Annex - List of Participating Chinese Companies

Jiangsu Haiyuan Machinery Co., Ltd.
Nantong Tinayuan Flat Knitting Manufacture Co., Ltd.
Ningbo Cixing Knitting Machine Co. Ltd
Shaoxing District Flat-Knitting Machinery Factories
Zhangjiagang Shengxing Textile Machinery Co., Ltd.
Zhejiang Feihu Textile Machinery Co., Ltd.
Zhejiang Yuefa Textile Machinery Co., Ltd.

Finishing

Jiangsu Jianye Machinery Manufacturing Co., Ltd.
Jiangsu Redflag Printing & Dyeing Machinery Co., Ltd.
Jiangsu Xinlian Printing & Dyeing Mach.Co.,Ltd.
Jiangsu Saga Textile Machinery Co.,Ltd.
Jiangyin Found Dyeing Printing Machinery Company
Fong's National Engineering (Shenzhen) Co., Ltd.
Yoantion Printing And Dyeing Machiney Co., Ltd.
Jiangsu Haida Dyeing & Printing Machinery Co.,. Ltd.
Shaoyang Textile Machinery Co.,Ltd.
Texpro & Stentex Machinery Co.,Ltd.
Wuxi Yangjia Machinery Co.,Ltd.
Guangzhou Panyu Yihuang Washing-Dye Equipment Manufacturing Co.,Ltd.
Zhejiang Huahai Machinery Group
Wuxi Gaotemai Machinery Manufacturing Co. Ltd.
Jilong Machine Industry Co., Ltd.
Xi'An Degao Dye. & Prt. Auto Engineering Co., Ltd.
Huzhou Huisheng Machinery Co.,. Ltd.
Shanghai (Taiwan) Keycheng Printing Machinery Co.,Ltd.
Hangzhou Honghua Digital Technology Co. Ltd.
Human Digital Technology (Shanghai) Co.,Ltd.
Nanjing Printpretty Digital Technology Co., Ltd.

Press Release

Shipments of new textile machinery globally increased in 2017.

Deliveries of new short-staple spindles, long-staple spindles, and open-end rotors respectively improved by 21%, 46%, and 24% from 2016 to 2017. The number of shipped draw-texturing spindles and shuttle-less looms increased by 23% and 13%. Shipments of new electronic flat knitting machines and finishing machines of the category "fabric discontinuous" each rose by 44% year-on-year. In contrast, deliveries of circular knitting machines stagnated in 2017 (+0.12%) and finishing machines of the category "fabrics continuous" fell by 2%.

These are the main results of the 40th annual International Textile Machinery Shipment Statistics (ITMSS) just released by the International Textile Manufacturers Federation (ITMF). The report covers six segments of textile machinery, namely spinning, draw-texturing, weaving, large circular knitting, flat knitting and finishing. The 2017 survey has been compiled in cooperation with more than 200 textile machinery manufacturers representing a comprehensive measure of world production. This number includes numerous Chinese companies represented by the so-called "District" (see the annex for a list of Chinese participants).

Spinning Machinery

Shipments of new short-staple spindles increased for the first time since 2013. The level of short-staple spindles improved by about 1.65 million spindles. Most of the new short-staple spindles (95%) were shipped to Asia, whereby shipments rose by almost 24% year-on-year. Thereby China, the world's largest investor of short-staple spindles, experienced an increase of 34%, whereas deliveries to Bangladesh and Vietnam decreased by 33% and 39%, respectively. Shipments to Indonesia strongly increase last year (+ 135%). The six largest investors in the short-staple segment in 2017 were China, India, Uzbekistan, Bangladesh, Pakistan, and Indonesia.

Global shipments of long-staple (wool) spindles rose by 46% from around 114'000 in 2016 to nearly 165'000 in 2017. Deliveries to Iran soared by 445% from just around 11'000 in 2016 to around 59'000 spindles in 2017. The majority of long-staple spindles (68%) were shipped to China. 30% of long-staple spindles were shipped to Europe.

Shipments of open-end rotors rose by 24% to a level over 788'000 rotors in 2017. About 85% of worldwide shipments of open-end rotors were destined for Asia. Thereby, deliveries to Asia increased by about 15% to nearly 674'000 rotors. However, China, the world's largest investor in open-end rotors, increased its investments by only 6% in 2017 when countries like Iran, Brazil, Uzbekistan, and Japan saw 2 to 4 times more deliveries compared to 2016. The world's second and third largest investors in 2016 were Turkey and India.

Texturing Machinery

Global shipments of single heater draw-texturing spindles (mainly used for polyamide filaments) decreased by 87% from nearly 8'500 in 2016 to 1'060 in 2017. With a share of 50%, Asia is the region where most of the single heater draw-texturing spindles were shipped to, followed by Eastern and Western Europe with a share of 36% and 8%, respectively.

In the segment of double heater draw-texturing spindles (mainly used for polyester filaments) the downward trend ended and global shipments increased by 27% on an annual basis to about 340'000 spindles. Asia's share of worldwide shipments amounted to 90%. Thereby, China remained the largest investor accounting for 66% of global shipments.

Weaving Machinery

In 2017, worldwide shipments of shuttle-less looms increased by 13% to 95'400 units. Thereby, shipments of air-jet, water-jet, and rapier/projectile shuttle-less looms increased by 18% (to almost 27'000), 14% (to 36'200), and 7% (to 32'000), respectively.

Not surprisingly, the main destination of shipments of all shuttle-less looms (air-jet, water-jet and rapier/projectile) in 2017 was Asia with 91% of worldwide deliveries, of which 48% were water-jet looms, 31% rapier/projectile looms, and 28% air jet looms. The share of rapier/projectile to the total shuttle-less looms shipped to Europe and the Americas reached 65% and 37% while the share of water-jet looms was respectively 2% and 25% in the same regions.

Circular & Flat Knitting Machinery

Global shipments of large circular knitting machines rose slightly by 0.12% to a level close to 28'000 units in 2017. Asia is also the world's leading investor in this category. 84% of all new circular knitting machines were shipped to Asia in 2017. With 39% of worldwide deliveries, China was the single largest investor. India and Vietnam rank second and third with 5'100 and 2'000 units, respectively.

In 2017 the segment of electronic flat knitting machines soared by 44% to around 202'000 machines, the highest level ever. Not surprisingly, Asia received the highest share of shipments (96%). China remained by far the world's largest investor for flat knitting machines in 2017. Thereby, Chinese investments increased from 101'550 units to 154'850 and the country had a global share of 76%.

Press Release

Finishing Machinery

In the segment of fabrics continuous, shipments of mercerising-lines, singeing-lines, and stenters, increased in 2017 by 54%, 11%, and 2%, respectively. Deliveries in the other sub-segments decreased. In the segment fabrics discontinuous, shipments of air-jet dyeing and overflow dyeing machines increased by 35% and 72%, respectively, whereas those of jigger dyeing/ beam dyeing machines fell by 7%.

May 2018

Shipments statistics revised, no change in global conclusion: deliveries globally increased in 2017

Due to new data and information received after the publication of the 40th International Textile Machinery Shipment Statistics (ITMSS 2017) last month, the International Textile Manufacturers Federation (ITMF) has revised its statistics for the year 2017. The changes are summarised below (at world level).

Table 1: Original vs. revised growth of shipments between 2016 and 2017 for machine categories affected by the revision

Category	Originally published growth	Revised growth
Short-staple spindles	21%	8%
Open-end rotors	24%	0%
Shuttle-less looms	13%	14%
Fabric discontinuous	44%	70%
Fabrics continuous	0%	5%

Note: The percentage under "Original growth" were reported in the ITMSS press release in May. The percentage under "Revised growth" are calculated on the updated data. The figures for finishing in the May press release included a reporting error.

June 2018