

German textile machinery use more than 150 countries all over the world

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The economy of Germany is a highly developed social market economy. It has the largest national economy in Europe, the fourth-largest by nominal GDP in the world, and fifth by GDP (PPP). In 2017, the country accounted for 28% of the euro area economy according to the IMF. Germany is a founding member of the European Union and the Eurozone.

Germany recorded the highest trade surplus in the world worth \$310 billion, making it the biggest capital exporter globally. It is the third largest exporter in

the world with 1.21 trillion euros (\$1.27 trillion) in goods and services exported in 2016. Exports account for 41% of national output. The top 10 exports of Germany are vehicles, machinery, chemical goods, electronic products, electrical equipment, pharmaceuticals machinery, transport, basic metals, food products and plastics.

The German mechanical engineering industry plays a prominent role in developing and realising sustainable solutions, such as effective solutions for

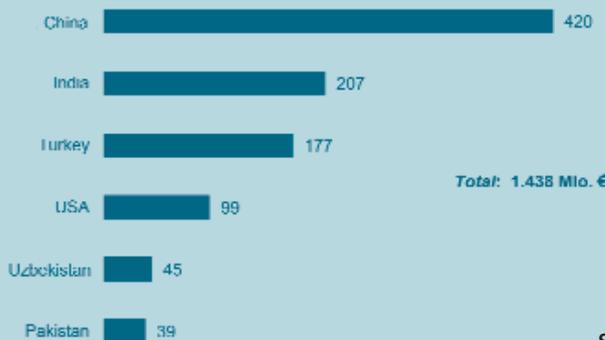
Table 1: Region-wise share of German Textile Machinery Exports - 2017

Region	Share
Asia	51.6%
Europe	33.1%
North America	8.7%
South America	4.3%
Africa	2.3%
Total	100.0%

Source: German Textile Machinery Association, VDMA.

new energy concepts and effective handling of scarce resources. The VDMA, the German Textile Machinery Association, has assumed patronage of the Blue Competence sustainability initiative, which aims to interconnect all of Germany's mechanical engineering industry. It pools the resources, know-how and strengths of VDMA members. Textile machinery is one of 30 different mechanical engineering branches within Blue Competence and can be designed for the different demand profiles of the textile manufacturer, depending on the textile product and the specific process. In other words, the textile producer directly affects the specific energy usage in many ways.

Export of German Spinning Machinery 2017 (Million Euro)



Source: VDMA.



Textile machinery

Germany is known as one of the largest textile machinery manufacturers in the world, especially for technical textiles and nonwoven machinery. The country is among the top ten countries in textile machinery advancements. Today, textile machinery engineering is one of the important branches of engineering and plant construction in Germany. Textile machinery is used by more than 150 countries all over the world.

About 120 of the most important manufacturers of textile machinery and accessories from all sectors of the trade are affiliated with the VDMA Textile Machinery Association. The largest parts of the companies are medium-sized firms and stand for approximately 90% of the entire sector volume and produced textile machinery and accessories worth 3.5 billion in 2017. In 2017, the branch exported textile machinery worth about 3.4 billion euros.

German textile machines are exported all over the world with their major clients being China, India, Turkey, USA, Italy, Brazil, Mexico, Pakistan and Bangladesh. Statistics regarding export of German Textile Machinery are given in **Table 1**.

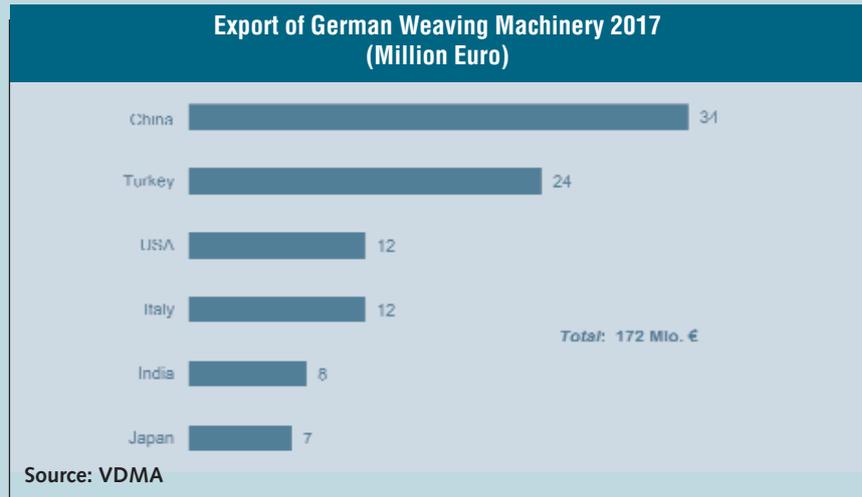
In 2017, German exports of textile machines were divided as follows: Spinning (29.5%), followed by Weaving (26.3%), Finishing (8.8%) and Knitting and Hosiery (4.8%). Sector-wise German textile machinery exports are given in **Table 2**.

In 2017, German spinning machinery exports reached euros 1.44 billion, representing a share of 29.5% of the total German textile machinery export value. China is the most important market for German textile spinning

Table 1: Sector-wise Export of German Textile Machinery 2017
Value: 000

Sector	Value	% Share
Spinning	1,438	29.5
Knitting and Hosiery	369,490	4.8
Finishing	887,782	8.8
Weaving	171,819	26.3

Source: German Textile Machinery Association (VDMA).



Source: VDMA



Source: VDMA

machinery, followed by India, Turkey, USA, Uzbekistan and Pakistan.

In 2017, the German manufacturers exported weaving machines worth euros 172 million, representing a share of 26.3% of the total German textile machinery export value. China is the most important country of German textile weaving machinery in 2017, followed by Turkey, USA, Italy, India and Japan.

German manufacturers exported finishing machinery worth 888 million euros in 2017 representing a share of 8.8% of the total German textile machinery export value. China is the most important country of German textile finishing machinery in 2017, followed by USA, Czech Republic, Poland, Turkey and Bangladesh.

The production of nonwovens and technical textiles see growth rates worldwide. In application areas like the automotive and filtration sector, business is strong. The demand of nonwovens products like personal care wipes and

floor coverings is increasing significantly while the hygiene sector is still the main nonwoven end-use application area.

However, Europe is still a very important market, especially for technical textiles and nonwovens. The rise in technical textiles has also ensured that the German companies earn profits by exporting technically advanced machinery to China, USA, Mexico and India.

The VDMA member companies offer solutions for the entire textile chain. The portfolio covers machinery and accessories for spinning, nonwoven, weaving, knitting, hosiery and finishing (washing, bleaching, dyeing and drying).◆

