

PLASTIC AND RUBBER PROCESSING MACHINERY

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Export Promotion Center of Turkey

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For decades, growing demand of plastic and rubber products has resulted in the development of a strong processing industry. Turkey produces all kinds of plastic and rubber products, ranging from the traditional products to the newly innovated ones, such as plastic construction and irrigation products, plastic and rubber auto parts, plastic table and kitchenware, plastic parts of electronic, electrical and household items and plastic packing products.

Petkim-Petrokimya Holding A.Ş., which is a public owned company, is the major plastic raw material manufacturer. Petkim produces basic plastic raw materials such as polyethylene (PE), polypropylene (PP), polystyrene (PS) and polyvinylchloride (PVC), high-density polyethylene (HDPE), low-density polyethylene (LDPE), olefins, fiber intermediates, master batches and aromatics.

According to PAGEV (Turkish Plastics Industry Association), Turkey has the plastic processing capacity of approximately 5 million tons of plastic per year and ranks the 5th place among European countries in 2008.

As a result of the aforementioned developments in the plastic and rubber industry, for processing machinery, a path for development has been opened.

The Turkish plastic and rubber processing industry owes its capability to its comparatively recent foundation and domestic production of basic plastic and rubber products. Recent developments and designs are applied in this young sector where the latest high technology from all over the world is brought. At present, in Turkey there are about 6,000 plastic processing companies which are mainly small and medium size.

In the plastic processing machinery sector, there are about 800 firms. The main product groups of the sector are: injection-moulding machines, extruders and other moulding and forming machines. The majority of plastic processing machinery manufacturers are located in İstanbul and İzmir.

Today, many Turkish machinery manufacturers have national and international quality certificates such as the Turkish Standards (TSE) and International Quality Standards (ISO 9001, ISO 9002) etc.

Turkish-made plastic and rubber processing machinery have the CE Mark within the context of technical harmonization with EU.

Export

The export figures of Turkish plastic processing machinery show a consistent upward trend for last three years. In 2008, export value of the industry has reached to 94.5 million dollars. This level indicates a 66% rise, compared with 2005 figures. The main plastic processing machines exported are plastic or rubber processing machinery, machinery for manufacturing products made of these materials, injection-moulding machinery and extruders.

The destination of exports is 106 countries of the world. The major markets for plastic and rubber processing machinery are the Russian Federation, Iran, Romania, Kazakhstan, Bulgaria, Ukraine, Germany, Azerbaijan, Morocco, Greece and Uzbekista.

Turkish-made plastic and rubber processing machinery is exhibited in several domestic and international fairs.

FAIRS IN TURKEY

Putech Eurasia
Polyurethane Industry Exhibition
October 2009, Istanbul

PLAST EURASIA ISTANBUL
International Istanbul Plastic Industries Fair
November 2009, Istanbul

IPAF
International Plastic and Packaging Technologies Fair
May 2010, İzmir

Turkey's Plastic and Rubber Processing Machinery Exports (Value: US\$ 1000)

HS	Product Name	2005	2006	2007	2008
8477.10	Injection moulding machines for working rubber or plastics	10.413	8.352	4.361	9.604
8477.20	Extruders for working rubber or plastics	7.921	11.439	18.733	16.223
8477.30	Blow moulding machines for working rubber or plastics	4	389	15	959
8477.40	Vacuum moulding machines and other thermoforming machines for working rubber or plastics	3.270	5.200	3.494	4.130
8477.51	Machinery for moulding or retreading pneumatic tyres, for moulding or forming inner tubes of rubber or plastics	1.917	854	2.333	4.250
8477.59	Machinery for moulding or forming rubber or plastics, nes	4.203	4.341	4.899	4.561
8477.80	Machinery for working rubber or plastics, for the manufacture of products from these materials, nes	24.112	28.088	31.363	41.696
8477.90	Parts of machines for working rubber or plastic	5.039	6.791	8.576	13.125
	TOTAL	56.880	65.454	73.774	94.549

Source: Turkish Statistical Institute

Turkey's Plastic and Rubber Processing Machinery Exports by Countries (Value: US\$ 1000)

	2005	2006	2007	2008
Russian Federation	4.601	10.407	13.172	11.650
Iran	6.819	4.648	6.313	9.072
Romania	4.864	6.611	5.769	5.504
Bulgaria	2.178	2.859	3.652	4.309
Ukraine	2.614	4.630	3.092	3.850
Germany	3.843	2.778	3.060	3.784
Spain	109	81	435	2.444
Morocco	1.573	1.196	2.474	2.357
Uzbekistan	569	2.644	1.938	2.192
Saudi Arabia	389	841	480	2.126
Greece	872	676	2.083	2.064
Azerbaijan	976	1.826	2.515	2.022
Kazakhstan	2.343	3.793	4.843	1.705
Aruba	-	-	-	1.640
Egypt	1.016	396	674	1.604
Luxembourg	-	217	21	1.505
Georgia	253	634	831	1.376
Iraq	1.410	1.431	554	1.358
Switzerland	55	210	90	1.330
Poland	372	176	552	1.274
France	139	521	106	1.187
Other countries	21.886	18.876	21.121	30.196
TOTAL	56.880	65.454	73.774	94.549

Source: Turkish Statistical Institute

Main Export Destinations of Turkish Plastic and Rubber Processing Machinery

		% of Export Value in 2008
8477.10	Injection moulding machines for working rubber or plastics	Philippines (11), Russian Fed. (8), Austria (8), Germany (6), Belgium (6), Bulgaria (6), Aruba (6)
8477.20	Extruders for working rubber or plastics	Russian Fed. (18), Ukraine (11), Romania (9), Argentina (7), Uzbekistan (5), Azerbaijan (5)
8477.30	Blow moulding machines for working rubber or plastics	Poland (80), Iraq (9), Spain (6), Russian Fed. (5)
8477.40	Vacuum moulding machines and other thermoforming machines for working rubber or plastics	Aruba (26), Bulgaria (18), Russia Fed. (8), Greece (7), Saudi Arabia (5), Iran (5)
8477.51	Machinery for moulding or retreading pneumatic tyres, for moulding or forming inner tubes of rubber or plastics	Spain (52), China (18), Kazakhstan (12), Netherlands (11)
8477.59	Machinery for moulding or forming rubber or plastics, nes	Iran (12), Egypt (11), Switzerland (10), Czech Rep. (7), Romania (7), Germany (6), Saudi Arabia (5), Ukraine (5)
8477.80	Machinery for working rubber or plastics, for the manufacture of products from these materials, nes	Iran (16), Russian Fed. (15), Romania (6), Bulgaria (5), Saudi Arabia (4), Greece (4)
8477.90	Parts of machines for working rubber or plastic	Germany (13), Luxembourg (11), Russian Fed. (7), Romania (6), Slovakia (5), Belarus (5), Italy (5)
8477	TOTAL	Russian Fed. (12), Iran (10), Romania (6), Bulgaria (5), Ukraine (4), Germany (4), Spain (3)

Source: Turkish Statistical Institute