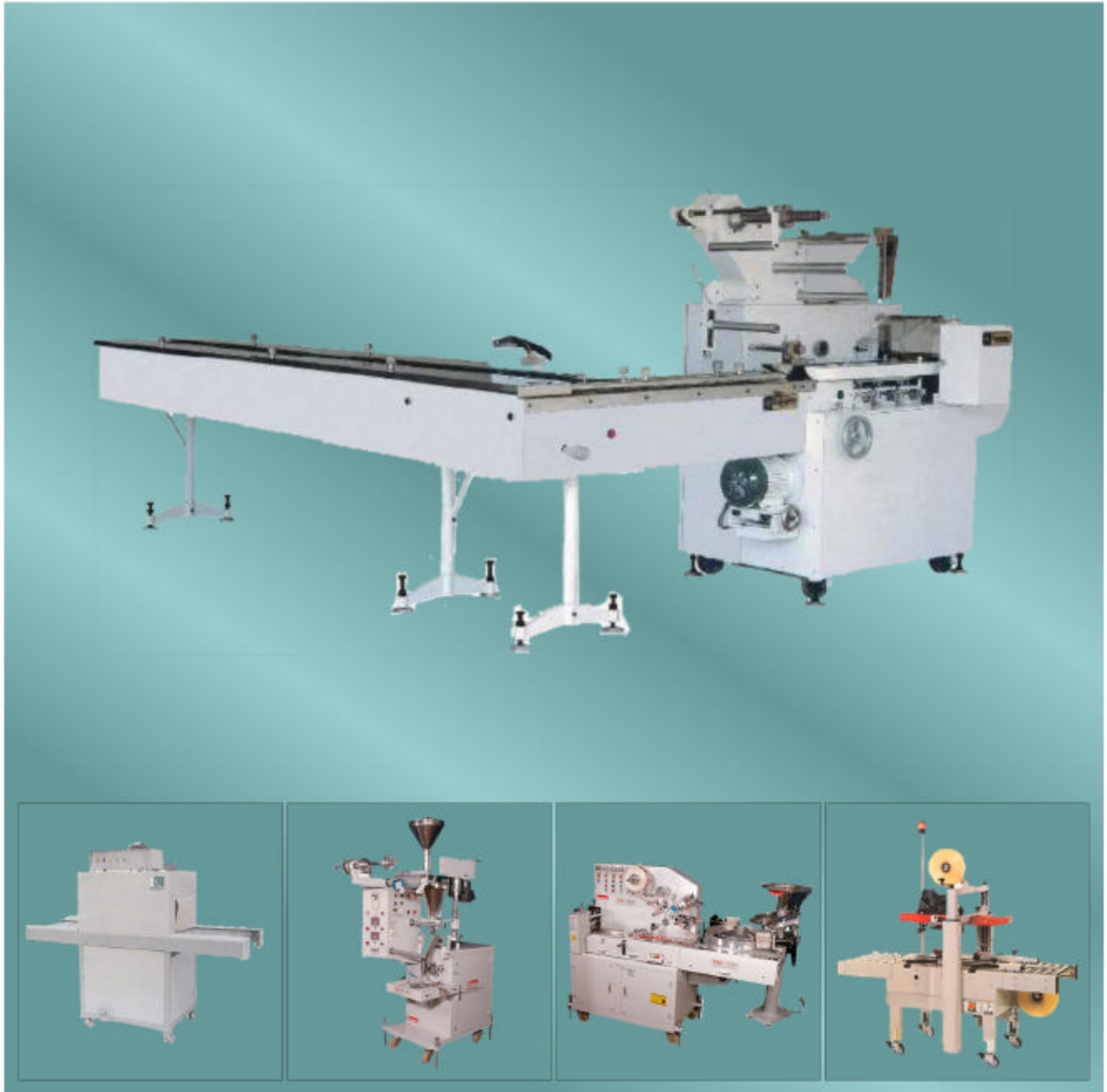


# Packaging Machinery



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**Engineering Development Board**  
Ministry of Industries, Production & Special Initiatives  
Government of Pakistan

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## **1. Introduction**

Packaging is the science, art and technology of enclosing or protecting products for distribution, storage, sale and use. Packaging also refers to the process of design, evaluation and production of packages. Packaging is heavily integrated into our daily lives; we see it all around us, on everyday items such as chocolate bars and potato chip (crisp) packets. The main use for packaging is protection of the goods inside, but packaging also provides us with a recognizable logo, or packaging, so that we instantly know what goods are inside.

Before 18<sup>th</sup> century, packaging was restricted almost entirely to containment for shipping, with minimum levels of protection and preservation. In early 20<sup>th</sup> century, marketing-oriented packaging began to evolve and branding, quality, storage and handling, and point-of-sale display became important attributes.

In recent years, packaging had become a major medium of advertising and marketing. Packaging machinery of diverse types has been developed due to growing demand of different types of packaging.

## **2. Objective of Study**

- To analyzes present status of the packaging machinery manufacturing industry of Pakistan.
- Study the factors associated with the sustainable development of local packaging machinery manufacturing Industry.
- Action plan towards implementation of achievable targets
- Profiling of stakeholders and assessment of requirements for development and capacity enhancement

### **3. Types of packaging machinery**

There are several different types of packaging machinery that can be used in order to find or make the right material for packaging needs. Each type of packaging machinery can have one or more uses, depending on needs. There is also packaging machinery available for larger packaging needs, such as bundling and carton packages. Packaging machines are mostly bought separately because needs vary so widely between companies but there are some places where integration of several of these tasks is found.

Different types of items can also be processed through packaging machinery. This includes everything from liquid to powder to bulk packaging. There are also several different types of packaging that can be used with everything from bags to bottles.

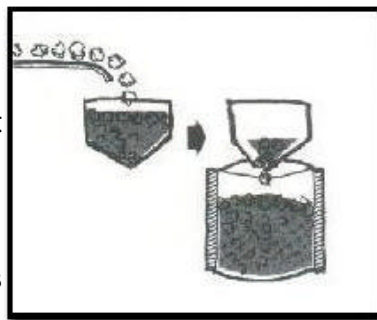
Packaging machinery is of different types of timing mechanisms that can be used to determine how fast the machinery will package the material. Most machines have the option of manual, semi-automatic or automatic operations. They are usually classified by how many packages they can fill or seal per minute.

There are at least fifty different types of packaging machines available in world, depending on the individual or company needs. Through these different types of machines, one is able to distribute products quickly and easily. While there is no limit on the types of machines available, there is also no limit on the products that one may package to send out to customers or friends.

General types of packaging machines and their brief description is as follows:

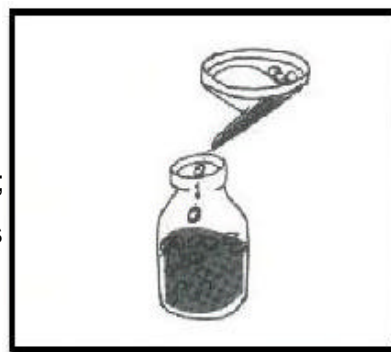
**i. Gravimetric and Volumetric Machines for Packaging**

Machines which measure the weight or volume of products, usually solid or granule in different weight or shape, such as confectionery or vegetable , and feed them to a packaging machine for packaging in a specified unit weight are included in this category.



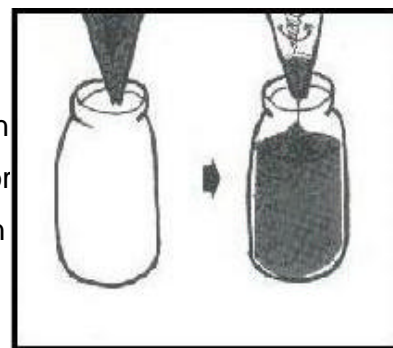
**ii. Count Feeding Machine for packaging**

A counting machine is a machine which counts the number of pills, tablets or capsules for medical use; machine parts or sheets of paper and then feeds them to a packaging machine to package in a unit of specified quantity.



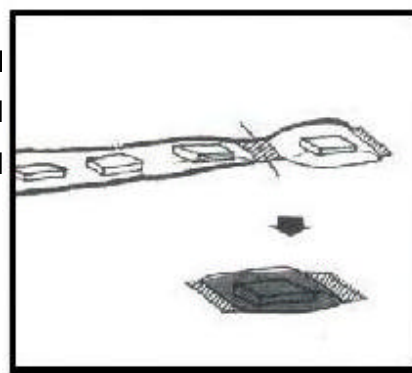
**iii. Powder and Granule Filling Machine**

These include machines which fill a bag, bottle, can etc. with a predetermined volume of powder or granular product such as food, medicine etc. An auger is usually used for filling.



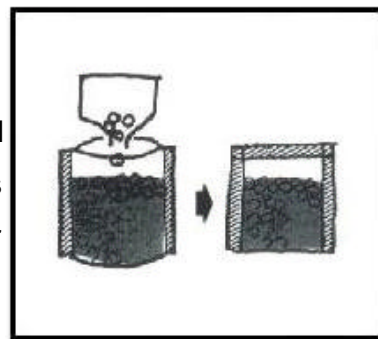
**iv. Horizontal Form, Fill and Seal Machine**

These packaging machines form a package or fill the container with the product and then seal it. All these operations are done in a sequential manner.



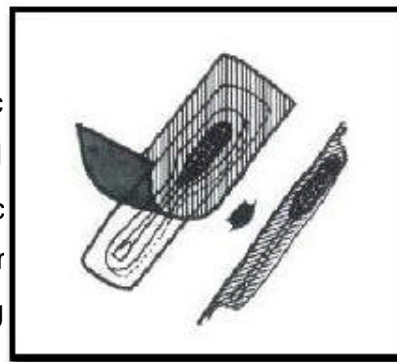
**v. Bag Fill and Seal Machines**

Packaging machines which use a pre-formed bag and fill it with product and then seal it are included in this category. Machines of this kind are widely used for products such as powder, liquid or paste foodstuffs.



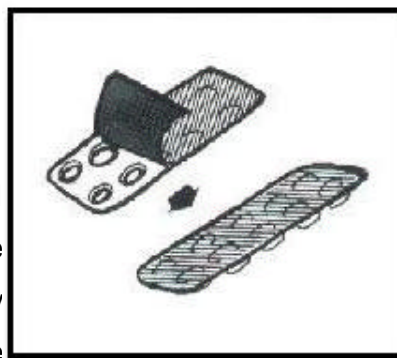
**vi. Blister Packaging Machine**

A packaging machine which thermoforms a plastic sheet into a container and fills it with product and then seals it with a top paper, paper board, plastic film or sheet with adhesive or heat is a blister packaging machine. It is widely used for packaging tools, stationery, etc.



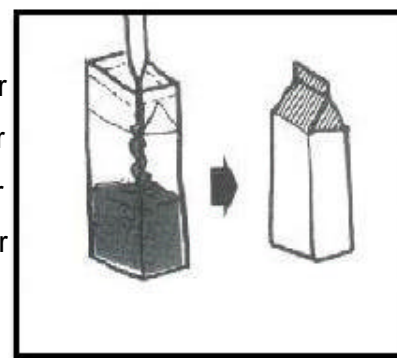
**vii. Press through Packaging Machine**

A packaging machine which thermoforms a plastic sheet into a container and fills it with product and then heat seals it with an easily breakable material such as aluminum foil falls under this category. The product packaged can be readily taken out by breaking the sealing material with a push. These machines are widely used for packaging tablets or capsules for medical use.



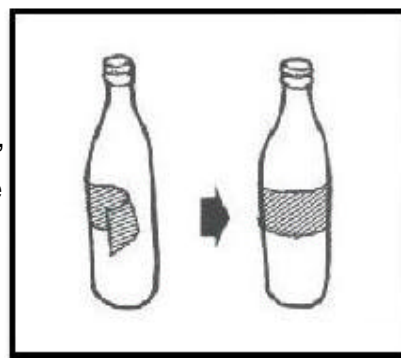
**viii. Paper Container Form, Fill and Seal Machine**

A packaging machine which uses a pre-formed paper container or forms a container from a reel-fed paper web and then fills it with liquid and seals it falls under this category. These machines are widely used for beverages.



**ix. Labeling Machines**

Machines which apply a label on a bag, box, bottle, etc. for identification of contents, prices, etc. are known as Labeling Machines.



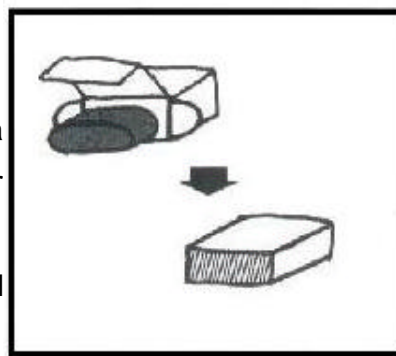
**x. Cartooning Machines**

Packaging machines which form a carton board blank into a carton, fill it with a product or group of products and engage tabs and slots or apply adhesive to close fall under this group. A brief description of its major types is given below:

**a. Horizontal Cartooning Machine**

A cartooning machine is which erects a folded carton, fills it with a product or group of products horizontally through an open end and closes it by tucking the end flaps of the carton or applying adhesive.

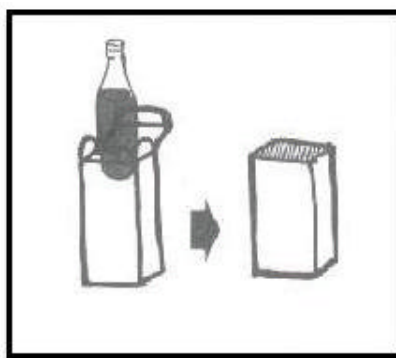
These are widely used for packaging foodstuffs, confectionery, medicine, cosmetics, sundry goods, etc.



**b. Vertical Cartooning Machine**

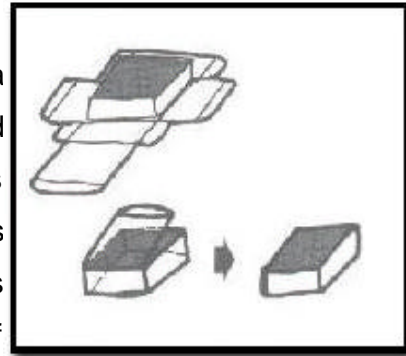
A cartooning machine which erects a folded carton, fills it with a product or group of products vertically through an open end and closes it by either tucking the end flaps of the carton or applying adhesive falls under this class. They are

widely used for packaging foodstuffs, confectionery, medicine, cosmetics, sundry goods etc.



**c. Wrap-around Cartoning Machine**

A cartoning machine which wraps a carton board blank around products and secures it either by engaging pre-cut tabs and slots or by applying adhesive is included in this category. These machines are widely used for packaging a group of boxed products such as foodstuffs, sundry goods, cosmetics, etc.

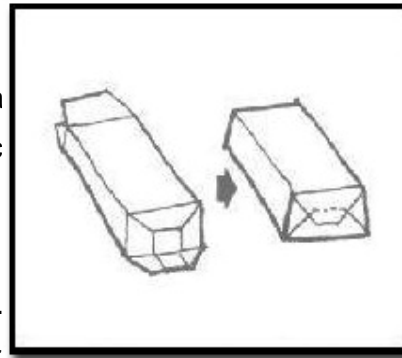


**xi. Wrapping Machines**

Packaging machines which wrap a product or a group of products in flexible packaging material such as paper or plastic film are known as Wrapping Machines. The following types of machines come under this category:

**a. Fold Wrapping Machine**

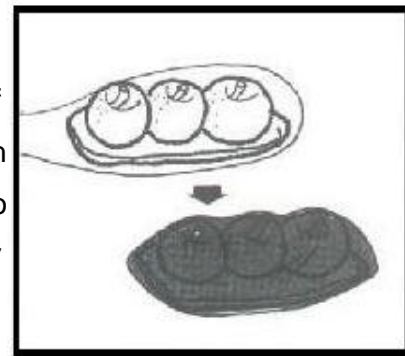
A wrapping machine which wraps in a deformable material such as paper or plastic film a product such as confectionery, soaps, cassette tapes or a group of boxes of these products, folds and heat-seals, glues, etc. the ends of the wrapping material falls under



this category. These machines are widely used for packaging foodstuffs, confectionery, sundry goods, printed matter, etc.

**b. Stretch Wrapping Machine**

The wrapping machine which pulls a web of stretch film around a product or a tray on which the product is placed, gathers the film edges to adhere by themselves without heating or by

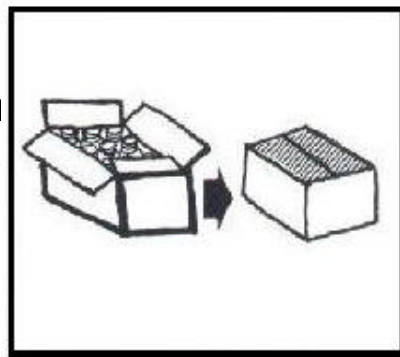




heating, or to adhere partly by themselves and partly by heating is known as a stretch wrapping machine. The machines of this kind are widely used for packaging perishable foodstuffs such as vegetable, fish, meat, etc.

**xii. Case Loading / Set-up Case Packing Machine**

A packaging machine which fills a corrugated board case with product and closes is known as a case loading machine whereas a packaging machine which erects a folded and side seam sealed case, folds bottom flaps, fills it with product and closes top flaps is known as setup case loading machine.



**4. Local Industry Structure**

At present Karachi and Lahore are the major clusters working to meet the local requirements of packaging machinery. Manufacturing of packaging machinery is growing day by day and some of our manufacturers have already stepped into the export markets. Such manufacturers are exporting their products like Horizontal Wrapping Machines, Automatic Four Side Fill and Seal Packing Machines, Automatic Labeling Machines and Dry powder packing machines to various countries.

**4.1 Size of Industries**

The following table indicates the industry size in various categories:

*(No. of units)*

| <b>Large</b> | <b>Small and Medium (SME)</b> | <b>Cottage</b> |
|--------------|-------------------------------|----------------|
| 35           | 40                            | 50             |

**Large:** The units manufacturing all types of Packaging Machinery are included in this category.

**Small and Medium (SME):** The units which manufacture major types of Packaging Machinery, e.g. Horizontal Wrapping Machine, Automatic Four Side Seal Packing Machine, Carton Packing Machine etc. are included in this category.

**Cottage:** The units which manufacture single item of Packaging Machinery are included in this category.

Large Packaging machinery manufacturers of Karachi and Lahore are well organized and aware of the modern technologies and techniques required to compete in local market as well as in world market. The packaging machinery manufactured in Karachi and Lahore is being supplied to local drug manufacturers, Textile industry and Food & beverage industry located in the following cities:

- Karachi
- Lahore
- Islamabad
- Rawalpindi
- Jamshoro
- Wah Cant
- Hattar
- Hub
- Peshawar
- Quetta

#### **4.2 Technology Status of Industries**

Local manufacturers are using local as well as foreign technologies. The technology required for the manufacturing of packaging machinery may be categorized as medium. Almost in all well established Packaging Industries mostly imported machinery is installed, whereas, small packaging machinery manufacturing units are using indigenous machinery which is mainly manufactured at Karachi and Lahore. The processes involved in the manufacturing of packaging machinery include Machining, Cutting & Grinding,

Welding, Forming, Electroplating and Painting. The Machinery being used by the industry for these processes includes:

- Lathe Machines
- Drilling & Milling Machines
- Sand Blasting Machines
- Plasma Cutting Machines
- Semi Automatic Gas Cutting Machines
- Bending Machines
- Presses
- Grinders
- Hacksaw
- Laser Cutting Machines
- Spot Welding Machines
- Welding rectifiers
- Electric Arc Welding Machines
- Plasma Welding Machines
- Laser Cutting Machines
- CNC Lathes

#### **4.3 Raw Materials**

The following raw materials are mostly used by the manufacturers to manufacture the packaging machinery:

- S. S. Sheet 304
- S. S. Sheet 316
- Aluminum Sheets
- M. S. Sheets
- Different profiles of MS

The availability of local SS sheets is quite scarce and the industry is mostly dependent on imported SS Sheets. However MS products are readily available in the local market. Electric motors, both single phase and three phase, form an integral part of packaging machinery and mostly locally manufactured motors are used by the manufacturers of packaging machinery.

#### **4.4 Brand Development**

Brand development requires investment on the part of manufacturers. The returns are considerable with an enormous potential for the bigger players to invest in brands for regional and global markets. Currently the awareness level

regarding the importance of Brand Name Development is relatively low in this industry. TDAP and EDB can play an important role in creating awareness among the industry for the need of Brand Development by organizing workshops.

#### **4.5 Human Resources Development**

Currently the skill level of the human resources employed by the industry is relatively poor. However there are some progressive entrepreneurs in this sector who realize the need of employment of skilled labour / qualified technicians for being competitive and achieving the required quality standards. To increase the exports of Packaging machinery, there is a need to develop human resources in the field of export marketing, quality control and general skill enhancement. This will enhance the productivity and quality thus resulting in enhancement of competitiveness. The Government should also encourage the local companies to engage highly skilled personnel who excel in this field to increase the product quality and productivity to enter into export markets. It is also worth mentioning that there is no technical institution in the country which imparts trainings / technical knowledge specific to this industry. To develop a better human resource for this industry it is pertinent that institutions like TUSDEC and TEVTA should be sensitized for the need of skill development according to the existing needs of the industry. The future needs of the industry should also be focused.

#### **4.6 Standards (Quality/Environment/Social)**

Only a few manufacturers in this sector are ISO certified at the time being. The manufacturers should be encouraged first to get an ISO certification and then to get their products certified according to the relevant International Standards. At the moment there are no local standards present for the packaging machinery. PSQCA may be entrusted to develop standards for packaging machinery. Development and implementation of local standards would impel the manufacturers to improve their quality and would prepare them for meeting the

international standards. This would also prepare our industry for entrance in the global arena .

#### **4.7 Image Building**

In International markets, both products and exporting country's image are sold; otherwise competitive product may not find a large number of buyers simply because of a poor image of the exporting country. This makes building and marketing a good national image very important. EDB is engaged in activities for building a soft image of Pakistan in international markets and it is needed that specific markets for this industry should also be focused by EDB.

#### **4.8 Increase Labour Productivity**

At present the labour productivity of this industry is relatively low. The labour productivity may be increased through education, on job training, skill up-gradation and dissemination of new knowledge and latest techniques. This will translate into higher value-addition and low labour cost. The producers need to invest in this area as well to increase their competitiveness.

#### **4.9 Increase in Capacity Utilization**

The industry, at present, is not utilizing its capacity upto an optimum level. In order to capture the International market there is a need to utilize its capacity at an optimum level to attain economies of scale. This will lower per unit cost and better return on investment and also enhance competitiveness.

#### **4.10 Marketing development**

Most of the packaging machinery manufacturers of Karachi and Lahore are aware of the benefits of modern market techniques. That is why they are willing to participate in the local and international exhibitions to exhibit their products. They have also prepared proper Brochures, Catalogues, pamphlets etc. for marketing purposes. As about 70 numbers of manufactures are involved in this

business therefore there is a handsome competition in this field which seemingly is the most important reason for the growth of this industry.

## **5. World Trade of Packaging Machinery**

Global demand for packaging machinery is forecasted to increase at the rate of 4.9 percent per year through 2010, reaching more than \$33 billion. Developing countries will account for some of the fastest growth opportunities because of industrialization-related fixed-investment activity, rising per capita incomes and growth in packaged goods production.

While Eastern Europe and Asia will drive much of that growth, China will record the largest gains of any single country, surpassing Japan to become the second largest market in the world behind the U.S. Sales are expected to be strong in India, Russia, Mexico and South Korea. Although the rate of growth will be less robust than in emerging markets, sales of packaging machinery in the U.S. and Japan will show renewed strength through 2010.

The global trade of packaging machinery is done under the following HS codes:

| HS Codes  | Description   |
|-----------|---|
| 8422.3000 | Machinery for filling, closing, sealing or labeling bottles, cans, boxes, bags or other containers. |
| 8422.4000 | Packing or Wrapping Machinery   |

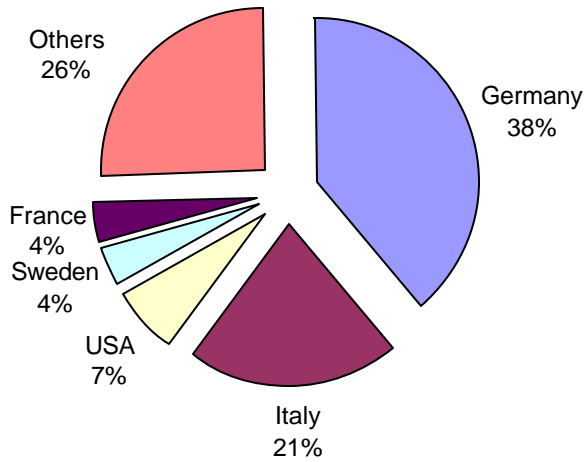
The global imports and exports along with the leading players is given below:

### **5.1 Global Exports:**

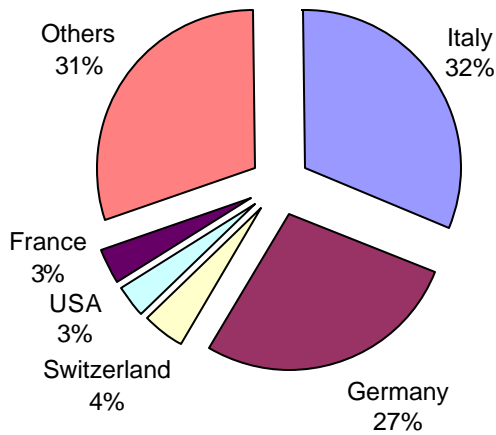
The total global exports for HS codes 842230 & 842240 for the year 2005 amounted to US\$ 11.43 billion. Germany and Italy being the leaders and holding more than 50% share of the total global exports followed by USA,

France, Sweden and Switzerland. The following charts show the global exports under these HS codes separately and the share of leading exporters for the year 2005:

**Global Exports under HS Code 842230 for year 2005 (US\$ 5.466 Billion)**



**Global Exports under HS Code 842240 for year 2005 (US\$ 5.97 Billion)**

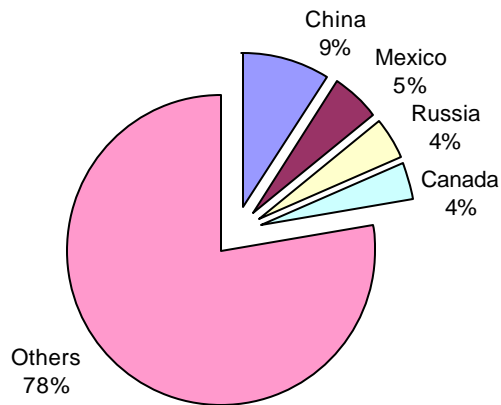


Source: Trademap

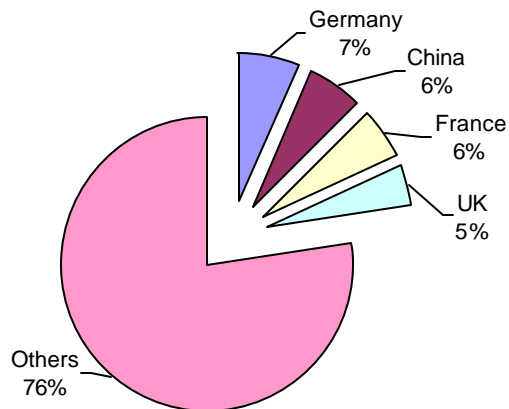
## 5.2 Global Imports:

The total global imports for HS Code 842230 & 842240 for the year 2005 amounted to US\$ 9.92 Billion. USA, China, Germany, France and Mexico were the leading importers with 14%, 7%, 4%, 4% and 4% shares in global imports respectively. The following charts show the global imports under these HS codes separately and the share of leading exporters for the year 2005:

**Global Imports under HS Code 842230 for year 2005  
(US\$ 4.71 Billion)**



**Global Imports under HS Code 842240 for year 2005  
(US\$ 5.21 Billion)**



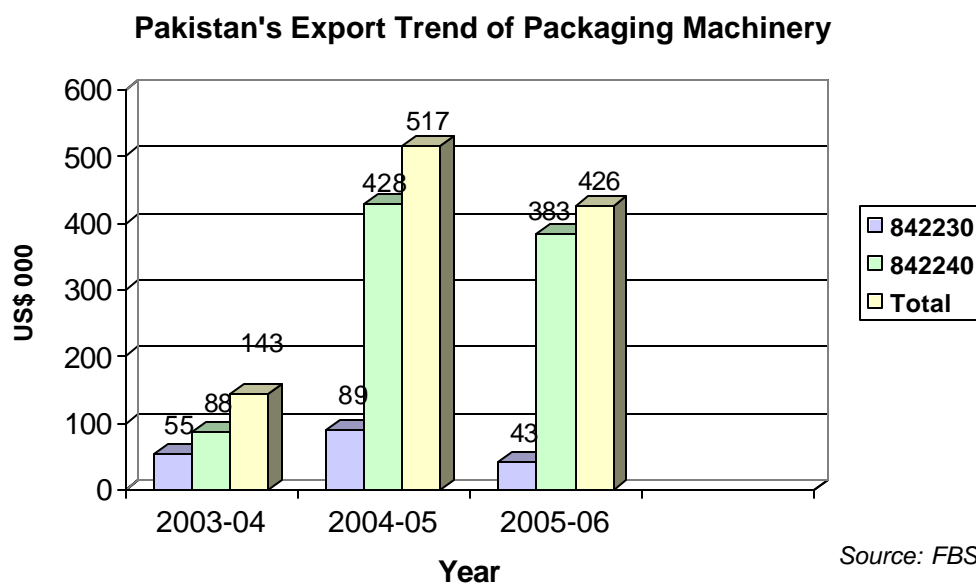
Source: Trademap



## 6. Pakistan's Trade of Packaging Machinery

### 6.1 Exports

The following chart depicts the export trend of the packaging machinery from Pakistan:

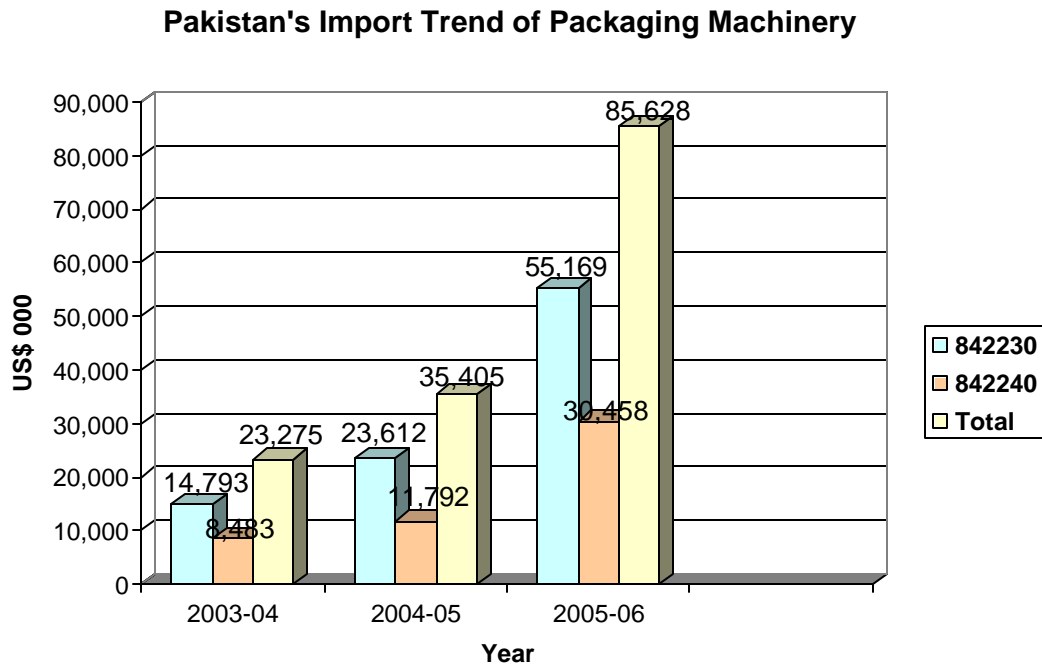


The export destinations for packaging machinery under HS code 842230 during year 2005 – 06 included Sri Lanka, Uzbekistan and Singapore whereas Dubai, Singapore, Ajman, Sri Lanka, Bangladesh, Iran, Saudi Arabia and Taiwan were the destinations for machinery exported under HS Code 842240.

The export data depicted in the chart above shows a downward trend in exports of packaging machinery during year 2005 – 06 whereas there was a sharp increase in exports during year 2004 – 05 as compared to year 2003 – 04. Several markets gained in year 2004 – 05 were lost in year 2005 – 06 due to poor marketing and lack of proper representation by the Pakistani manufacturers in international exhibitions. Tough competition from other leading international manufacturers was another reason for this decline in exports.

## 6.2 Imports

The following chart depicts the export trend of the packaging machinery from Pakistan:



Source: FBS

The increase in imports of packaging machinery clearly indicates the growth in demand of packaging machinery in the domestic market. This expansion of market is due to the increasing demand for diversified packaging and awareness among the consumers for a better packaging and its association with the brand.

**7. SWOT Analysis**

|  |   |
|--|---|
| <p><b>Strength</b></p> <ul style="list-style-type: none"> <li>○ Easy availability of cheap unskilled labor</li> <li>○ Several Large Units are also present.</li> <li>○ Industrial Zone facilities are available</li> <li>○ Sound Cash flows</li> <li>○ Linkages with BDS &amp; Support service providers</li> </ul>  | <p><b>Weaknesses</b></p> <ul style="list-style-type: none"> <li>○ Relatively old technology</li> <li>○ Limited product design capability</li> <li>○ Lack of R&amp;D efforts</li> <li>○ Lack of vision / Planning.</li> <li>○ Professional management is not perceptible in the industry</li> <li>○ Weak Association</li> <li>○ Absence of engineering standards</li> <li>○ Lack of skilled labor</li> <li>○ Manufacturing capacity constraints</li> <li>○ High cost of production</li> <li>○ No International branding and benchmarking</li> <li>○ Inefficient physical infrastructure</li> </ul> |
| <p><b>Opportunities</b></p> <ul style="list-style-type: none"> <li>○ Geographical location is favorable for investment by new manufacturers.</li> <li>○ Globalization and free trade</li> <li>○ Increasing domestic market having demands from both low-end and high-end segments.</li> <li>○ Willingness of the Government to facilitate the sector for entry in export markets.</li> <li>○ Favorable trend of market for acceptance of diversified and innovative products.</li> </ul> | <p><b>Threats</b></p> <ul style="list-style-type: none"> <li>○ Globalization and free trade.</li> <li>○ High custom duties on Raw Material</li> <li>○ Local Market Penetration by regional competitors</li> </ul>   |

## **8. Major Issues**

- High manufacturing cost is the major issue of packaging machinery manufactures. They are of the view that due to the high price of iron and steel, the production cost of their products increases which makes them un-competitive in the local as well as international market. They have to buy the iron and steel products from traders who charge them a premium resulting in higher cost of input materials.
- Lack of modern installed facilities and manufacturing technologies is another issue for most of the players. In most of the competitor countries manufacturing is being done through CNC machines resulting in production of better quality parts and components.
- Lack of quality standards is another major factor impeding the growth of this industry. In other competitor countries, usually great emphasis is laid upon quality assurance and certifications and as a result they have an advantage in the export markets.
- Lack of ready availability of skilled labor is another major problem being faced by this industry. Due to this the manufacturing time, efforts, wastages, etc. are on higher sides which ultimately affect the cost and quality of the products and make them uncompetitive in the international market.
- Absence of soft term financial assistance by either Government or financial institutions for upgrading technologies or enhancement of capacities is another factor effecting the growth of this sector.

## **9. Sectoral Development Proposals**

- Stainless steel sheets are not manufactured locally. The machinery manufacturers arrange these sheets from local market and pay premium because the direct import by the manufacturers is not possible on the ground of their financial constraints. The Government may facilitate them by providing necessary assistance for the establishment of raw material banks through Public – Private partnership.
- For addressing the growing demand of skilled manpower for this industry, the Government may direct institutions like TEVTA, NAVTEC and TUSDEC to launch industry specific training courses for packaging machinery manufacturing industry.
- In order to prepare the packaging machinery manufacturers for export markets and to enhance their competitiveness, EDB may provide them the necessary advice and training through its linkages with organizations like PUM, SES and CBI.
- Since there are around 80% Packaging machinery manufacturers scattered in Karachi, therefore the Government may focus on development of a cluster for the packaging machinery manufacturers.
- Keeping in view the growing import trend of packaging machinery and to attract the foreign investors for investment in this potential sector, institutions like BOI, EDB and SMEDA may coordinate their efforts for creation of a conducive environment for potential investors.
- PSQCA may be directed by the Government for establishment of local standards for packaging machinery. Establishment of testing and certification facilities for packaging machinery may also be considered by the Government. The establishment of local standards in line with international standards and establishment of local facilities

for granting certifications like CE markings would help the local manufacturers to address the quality issues and greatly facilitate their entry in export markets.

- The Government, through EDB, may consider formulating a facilitation policy for this sector which may include soft term financial support for up-gradation of technologies and enhancement of capacities and facilitation for entry in export markets through participation in international exhibitions.
  
- Although a non registered association of the packaging machinery manufacturers is present but is without proper representation of the industry and active participation of its members. There is a need for a strong and active national level Association of Pakistan Packaging Machinery Manufacturers in order to develop a social capital for the industry and to gather local manufacturers of this industry on one platform. Association will not only work closely with the government for solving problems faced by its members but also for removing unhealthy competition amongst its members and promoting need for standardization and quality certifications.

**Annexure – A**

**Packaging Machinery Manufacturers of Pakistan**

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[sales@hermeticseals.com](mailto:sales@hermeticseals.com)  
**Website:** [www.hermeticseals.com](http://www.hermeticseals.com)  
**Product Line:** Manufacturer of Pack mate, Vertical form Fill & Seal Machine, Laminated Tube Fill & Seal Machine, Multi head Liquid Filling Systems and Shrink Wrapping System.
- 2. Company Name:** Aftab & Yousuf Engineering Company.  
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**Cell:** +92 300 927 6951  
**E-mail:** [ayeco@hotmail.com](mailto:ayeco@hotmail.com)  
**Product Line:** Manufacturer of Labeling machine, Wrapping Machine and Sealing machine
- 3. Company Name:** Al Ameen Industries  
**Contact Person:** Mr. Anwar Ismail

- Address:** Plot # 28, Sector 19, Korangi Industrial Area,  
Karachi, Pakistan.
- Telephone:** +92 21 505 7401, 507 0635 ~ 8
- Fax:** +92 21 507 0639
- E-mail:** [aai@super.net](mailto:aai@super.net)
- Product Line:** Manufacturer of D. E. Auto Capping Machine and  
Wrapping Machine.
4. **Company Name:** **Aline Engineering Works**
- Contact Person:** Mr. Asad Ali Awan
- Address:** 71/B, SITE, Karachi, Pakistan.
- Telephone:** +92 21 257 0378, 256 8762
- Fax:** +92 21 256 6673
- Cell:** +92 300 208 6350, +92 300 202 4744
- E-mail:** [aline@cyber.net.pk](mailto:aline@cyber.net.pk)
- Product Line:** Manufacturer of D. E. Auto Capping Machine,  
Comminuting Machine and Wrapping Machine.
5. **Company Name:** **Asia Engineers Works & Contractors.**
- Contact Person:** Mr. S. R. H. Zaidi
- Address:** Suite # 409, 4<sup>th</sup> Floor, Mashrique Centre, Sir Shah  
Suleman Road, Block 14, Gulshan-e-Iqbal, Karachi  
Pakistan.
- Telephone:** +92 21 493 6977
- Fax:** +92 21 493 6975
- E-mail:** [info@asiaengineers.net](mailto:info@asiaengineers.net)
- Product Line:** Manufacturer of capping machine and wrapping  
machine
6. **Company Name:** **Azam Engineering**
- Contact Person:** Mr. Ahmed Salman
- Address:** 87-92, 1<sup>st</sup> Floor, KMC Market, Nishtar Road, Garden  
West, Karachi, Pakistan.
- Telephone:** +92 21 721 7414, 586 0040



- Fax:** +92 21 723 5457  
**E-mail:** [azameng@yahoo.com](mailto:azameng@yahoo.com)  
**Product Line:** Repairing and installation of Packaging Machinery
7. **Company Name:** **C & M Engineering**  
**Contact Person:** Mr. Ahmed Rehan  
**Address:** 61-T, Block 6, PECHS, Karachi, Pakistan.  
**Telephone:** +92 21 452 4341  
**Fax:** +92 21 454 3121  
**E-mail:** [rehancnm@khi.compol.com](mailto:rehancnm@khi.compol.com)  
**Product Line:** Manufacturer of Coating machine, Wrapping Machine and Installation of Packaging machinery.
8. **Company Name:** **Dilshad Engineering.**  
**Contact Person:** Mr. Dilshad Younus  
**Address:** 4-C/35, Commercial Area, Nazimabad # 4, Karachi, Pakistan.  
**Telephone:** +92 21 660 3134  
**Fax:** +92 21 662 2676  
**Cell:** +92 300 927 1258, +92 333 226 7229  
**E-mail:** [shad\\_engg67@hotmail.com](mailto:shad_engg67@hotmail.com)  
**Product Line:** Manufacturer of D. E. Auto Capping Machine, Comminuting Machine and Wrapping Machine,
9. **Company Name:** **Faraz Engineering Works**  
**Contact Person:** Mr. Muhammad Faraz  
**Address:** 2/6, Walayatabad # 1, Pak Colony, Near Bara Board, Opp: Kamal Petrol Pump, Karachi, Pakistan.  
**Telephone:** +92 21 257 8421, 257 2867, 256 6332  
**Fax:** +92 21 257 2867  
**E-mail:** [few\\_faraz@hotmail.com](mailto:few_faraz@hotmail.com)  
**Product Line:** Manufacturer of capping machine, wrapping machine and Packaging machinery parts repairing

- 10. Company Name:** **FD & Equipment (Pvt) Ltd.**  
**Contact Person:** Mr. Shahid Ahmed  
**Address:** F-116, SITE, Karachi, Pakistan.  
**Telephone:** +92 21 257 4347, 257 3163, 257 6053, 257 6054.  
**Fax:** +92 21 257 4596  
**E-mail:** [pharma12@cyber.net.pk](mailto:pharma12@cyber.net.pk)  
[fdnc@cyber.net.pk](mailto:fdnc@cyber.net.pk)  
**Website:** [www.fdncequipment.net](http://www.fdncequipment.net)  
**Product Line:** Manufacturer of Cream Ointments & paste processing and packaging machines, Automatic Coating Machines, Automatic Liquid Filling Lines and Modular Automatic Liquid filling (Precise filling, Capping & Labeling)
- 11. Company Name:** **Javed Engineering**  
**Contact Person:** Mr. Muhammad Ahmed  
**Address:** 11-C, 10/9, Nazimabad # 2, Karachi, Pakistan.  
**Telephone:** +92 21 660 8910, 660 9327  
**Product Line:** Manufacturer of Flat bed Blister machine and Packer, Carton Packing Machine
- 12. Company Name:** **Jawaid Products Company**  
**Contact Person:** Mr. Jawaid Iqbal  
**Address:** 29/C, Commercial Area, Nazimabad#4 Karachi, Pakistan  
**Telephone:** +92 21 668 9320  
**Fax:** +92 21 660 4213  
**Cell:** +92 300 296 4370  
**E-mail:** [thrive@super.net.pk](mailto:thrive@super.net.pk)  
**Product Line:** Manufacturer of Flat bed Blister machine and Packer, Carton Packing Machine.
- 13. Company Name:** **Sab Engineering & Concern Services.**  
**Contact Person:** Mr. Khokh ar Abdul Saboor

**Address:** Plot # 133, Block D, Sector 11, Orangi Town, Karachi, Pakistan.  
**Telephone:** +92 21 665 2653, 665 2653  
**Fax:** +92 21 665 2653  
**E-mail:** [sabecons@cyber.net.pk](mailto:sabecons@cyber.net.pk)  
**Product Line:** Manufacturer of Packaging machinery Spare parts, Carton Packing machine and food, Pharmaceutical Packaging machinery

**14. Company Name:** **Sama Engineering**  
**Contact Person:** Mr. Umer Sama  
**Address:** Sama House, 2-A 1/32, Nazimabad# 2, Karachi, Pakistan  
**Telephone:** +92 21 668 8883, 660 2467, 660 7131.  
**Fax:** +92 668 8883  
**E-mail:** [samapack@hotmail.com](mailto:samapack@hotmail.com)  
**Website:** [www.samaengineering.com.pk](http://www.samaengineering.com.pk)  
**Product Line:** Manufacturer of packing machines, Horizontal Wrapping Machine, Automatic four Side Seal Packing Machine & Product Processing System, Importer of Packing machine & Material

**15. Company Name:** **Tahir Engineering Industries**  
**Contact Person:** Mr. Tahir Habib  
**Address:** 4-C.6/2, Commercial Area, Nazimabad # 4, Karachi, Pakistan.  
**Telephone:** +92 21 668 6469  
**Fax:** +92 668 3007  
**Cell:** +92 300 295 44870  
**E-mail:** [thahireng@cyberaccess.com.Pk](mailto:thahireng@cyberaccess.com.Pk)  
**Product Line:** Manufacturer of Packaging Machinery for Pharmaceutical & Processed Food Industry, Vile and Bottle filling/Sealing machinery, Flat bed Blaster machinery

- 16. Company Name:** **Thuf Engineering**  
**Contact Person:** Mr. Ghulam Ghouse Jawed  
**Address:** Shop # 11, Ana Crown Plaza, Harilal Odhodas Street, Nishter Road, Karachi, Pakistan.  
**Telephone:** +92 21 223 5404  
**Product Line:** Manufacturer of Horizontal Wrappers, Pillow Pack Wrapper, On- Edge Wrapper and Wafer Plant.
- 17. Company Name:** **RK Machinery Co.**  
**Contact Person:** Mr. Nadir Osman  
**Address:** 349/S, Township Industrial Estate, Lahore, Pakistan  
**Telephone:** +92 42 515 1971  
**Fax:** +92 42 511 8945  
**Product Line:** Manufacturer of Automatic Coating Machines, Automatic Liquid Filling Lines and Modular Automatic Liquid filling (Precise filling, Capping & Labeling)
- 18. Company Name:** **Naveed Engineering**  
**Contact Person:** Mr. Naveed Ahmed  
**Address:** Old Fruit Market, Circular Road, Lahore, Pakistan.  
**Telephone:** +92 42 683 1740 ~ 41  
**Product Line:** Manufacturer of Packaging Machinery for Processed Food Industry, Vile and Bottle filling/Sealing machinery, Flat bed Blaster machinery
- 19. Company Name:** **Amjid Engineering**  
**Contact Person:** Mr. Anjum Arshad  
**Address:** 12 Zeenat block, Allama Iqbal Town, Lahore, Pakistan.  
**Telephone:** +92 42 683 1740 ~ 41  
**Fax:** +92 42 796 3491  
**Cell:** +92 301 844 1915

**Product Line:** Manufacture of Bottle filling/Sealing machinery, Flat bed Blaster machinery and Automatic four Side Seal Packing Machine

- 20. Company Name:** **Masri Shah Workshop**  
**Contact Person:** Mr. Muhammad Arshid  
**Address:** Masri Shah, Lahore, Pakistan  
**Telephone:** +92 42 796 3491  
**Product Line:** Manufacturer of Cartoon machine and Repairing Packaging machinery parts.
- 21. Company Name:** **Dynamic Engineering**  
**Contact Person:** Mr. Ali Ahmed  
**Address:** Glaxo Town, 20<sup>th</sup> Km, Lahore, Pakistan.  
**Telephone:** +92 42 683 1740 ~ 41  
**Website:** [www.dynamic-engg.com.pk](http://www.dynamic-engg.com.pk)  
**E-mail:** [info@dynamic-engg.com.pk](mailto:info@dynamic-engg.com.pk)  
**Product Line:** Manufacturer of Horizontal Wrappers, Pillow Pack Wrapper, On- Edge Wrapper, and Wafer Plant.



## Engineering Development Board

Ministry of Industries, Production & Special Initiatives  
Government of Pakistan

SEDC Building (STP), 5-A, Constitution Avenue, Islamabad- Pakistan

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