Empty Hard Gelatin Capsules Manufacturing Industry.

Production of Empty Gel Capsules.

Pharmaceutical Capsule Manufacture





Introduction

Gelatin is considered to be animal proteins that are utilized to prepare capsules, which gives calculated quantities of products. Empty hard gelatin capsules are made from gelatin (Gelatin is a translucent, colorless, brittle (when dry), flavorless solid substance, derived from the collagen- an animal protein). Empty Hard Gelatin Capsules contain 12 - 16% moisture. But the moisture content can vary up on the storage conditions.





Empty gelatin capsules are available in various colors and color combinations including transparent and metallic capsules.

Widely demanded in food, cosmetics and pharmaceutical industry, Empty Hard Gelatin Capsules are used for strengthening bones, improving air quality and various other uses. It is used for filling the solid substance.





Features:

- Hermetically sealed and airtight
- Increase the bio-availability of poorly soluble nutrients
- Longer shelf life
- Easily digested and dissolved within minutes
- Safe to consume
- Fast relief





Advantage of Gelatin Capsules

There are following importance of gelatin capsules:

- > It is taste less, odorless and easy to administration.
- They are attractive to appearance.
- Easy to handle and carry.
- Drug having an unpleasant odor and placed in the closed shell.
- Rapid drug release possible.
- Flexibility of formulation
- No need to form a compact that must stand up to handling.
- Unique mixed fills possible.
- Role in drug development.
- Role in clinical tests.
- > Sealed HGCs are good barriers to atmospheric oxygen.



Market Outlook

Indian EHGC market is estimated at approx 64 billion capsules in absolute production terms.

The global empty capsules market was valued at \$1,841.5 million in 2017 and is expected to reach \$3,707.5 million by 2025, registering a CAGR of 9.1% from 2018 to 2025. Capsules are relatively stable shells that contain or encapsulate medicines, which are administered in a variety of dosage forms. Empty capsules are of two types in the market namely, gelatin capsules and non-gelatin capsules. Of these, the vegetable/non-gelatin capsules are expected to witness considerable demand in the coming years. This is attributed to the preference for the same among the consumers due to its natural or non-animal origin.



The growth of the nutraceuticals industry has provided a shot in the arm to the global empty capsules market. Nutraceuticals have become popular across a range of demographics and regions due to their convenience in complementing a regular diet and help the individual maintain optimum health. The increasing adoption of unhealthy lifestyles by urban consumers across the world, particularly in developed regions, has led to growing demand for nutraceuticals, which is likely to remain a key driver for the global empty capsules market in the coming years. Apart from nutraceuticals, the branching out of the pharmaceuticals industry into the cosmeceuticals sector also has significant potential for the empty capsules market.



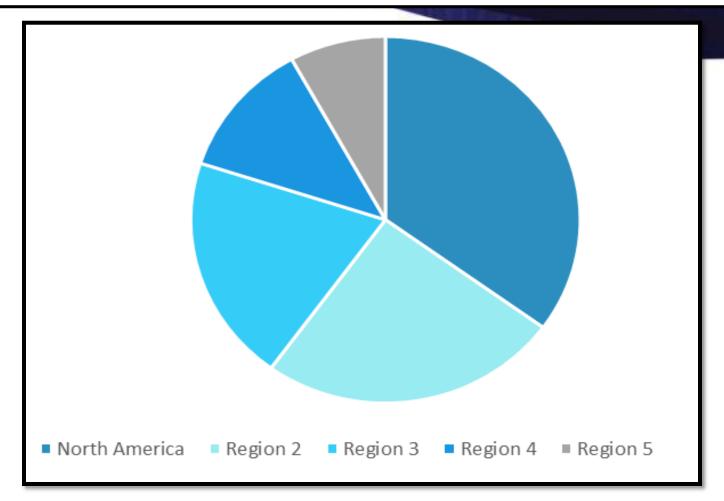


The demand for capsules is growing on account of the mounting consumption of medicines worldwide. This trend augurs well for the global empty capsules market, where growth has thus far been driven by the demand for both nongelatin and hard gelatin capsules. The changing demographics of the world have necessitated the greater production of medicines to treat various kinds of diseases. Capsules, being among the most versatile forms of administering drug doses, are thus expected to be consumed in larger volumes over the next few years.

The consumption demand for empty capsules is shaped by factors like health conditions of the aging population, clinical trial testing of formulations, changing consumer lifestyles, and edible beauty products with specific application in pharma, nutraceutical, and cosmetic industries.



Global Empty Capsules Market: Revenue in USD Million, By Region, 2017





The key factors that boost the growth of the global empty capsules market include growth in popularity of capsules over other drug delivery forms and increase in strategic collaborations between empty capsule suppliers and gelatin manufacturers. In addition, rapid advancements in capsule delivery technologies are set to supplement the market growth. However, ethical concerns, price fluctuations regarding gelatin material, and stringent regulations in the pharmaceutical industry are expected to hamper the market growth. Nevertheless, soaring investments by pharmaceutical manufacturers in untapped economies offer profitable opportunities for the expansion of the market.





The demand for empty capsules is expected to rise substantially in the years ahead thanks largely to the overall growth and expansion of the global pharmaceuticals industry. Moreover, the greater demand for nutraceuticals will also provide the global capsules market an opportunity to expand as several food supplements and functional foods are encapsulated to make them convenient for on-the-go consumption.

The empty capsules market is dominated by top three players, namely, Capsugel (US), ACG Worldwide (India), and Qualicaps (Japan). Some of the other key players in this market are Suheung Co. Ltd. (Korea), CapsCanada Corporation (Canada), Qingdao Yiqing Medicinal Capsules Co., Ltd. (China), Shanxi Guangsheng Medicinal Capsules Co., Ltd (China), Healthcaps India Ltd. (India), Snail Pharma Industry Co. Ltd. (China), Roxlor (US), Sunil Healthcare Ltd. (India), Medi-Caps Ltd. (India), Nectar Lifesciences Ltd. (India), Natural Capsules Ltd. (India), and Bright Pharma Caps Inc. (US).

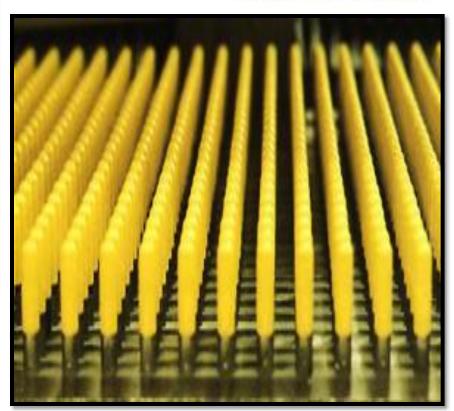




Machinery Photographs



Hard Capsule Machine



Pin Bars





Gelatin Tank

Compounding Tank



Project at a Glance

f .								
COST	OF PROJE	CT	MEANS OF FINANCE					
	Existin	Propose			Existin	Propose		
Particulars	g	d	Total	Particulars	g	d	Total	
Land & Site								
Development Exp.	0.00	260.00	260.00	Capital	0.00	767.48	767.48	
Buildings	0.00	145.00	145.00	Share Premium	0.00	0.00	0.00	
				Other Type Share				
Plant & Machineries	0.00	2235.00	2235.00	Capital	0.00	0.00	0.00	
Motor Vehicles	0.00	20.00	20.00	Reserves & Surplus	0.00	0.00	0.00	
Office Automation								
Equipments	0.00	87.00	87.00	Cash Subsidy	0.00	0.00	0.00	
Technical Knowhow				Internal Cash				
Fees & Exp.	0.00	25.00	25.00	Accruals	0.00	0.00	0.00	
Franchise & Other				Long/Medium Term			2302.4	
Deposits	0.00	0.00	0.00	Borrowings	0.00	2302.45	5	
Preliminary& Pre-								
operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00	
Provision for				Unsecured				
Contingencies	0.00	213.50	213.50	Loans/Deposits	0.00	0.00	0.00	
Margin Money -								
Working Capital	0.00	79.44	79.44					
-							3069.9	

0.00 3069.943069.94TOTAL



TOTAL

Project at a Glance

Yea r	Annualised		Book Valu	Debt	Divid end	Retai Earni		Payo ut	Probab le	P/E Ratio	Yield Price/
			е						Marke t Price		Book Value
					Per					No.of	
	EPS	CEPS	Per S	Share	Share	Per Sl	hare			Times	
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs		%
1-	529.8	1042.5	539.	2400.			529.				
2	9	2	89	00	0.00	100.00	89	0.00	529.89	1.00	0.00
2-	792.1	1229.8	1332	1800.			792.				
3	9	3	.07	00	0.00	100.00	19	0.00	792.19	1.00	0.00
3-	1054.	1428.0	2386	1200.			1054		1054.2		
4	23	1	.31	00	0.00	100.00	.23	0.00	3	1.00	0.00
	1311.	1631.1	3698	600.0			1311		1311.7		
4-5	76	5	.06	0	0.00	100.00	.76	0.00	6	1.00	0.00
	1561.	1834.8	5259				1561		1561.8		
5-6	80	5	.86	0.00	0.00	100.00	.80	0.00	0	1.00	0.00



Debt

(Number of

times)

3.00

1.57

0.78

0.36

0.13

0.00

3.00

1.57

0.78

0.36

0.13

0.00

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	land of the same		-									
Yea	D. S. C. R.	Debt	Equit	Total	Retu	Profitability Ratio	Assets	Curre				
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		Depos	Equit	Worth	Net		ver	Ratio				
		its	y		Wort		Ratio					

h

%

%

1.69

0.87

0.43

0.19

0.05

GPM

%

32.9

3%

39.6

8%

44.1

9%

47.2

1%

49.1

9%

PBT

%

20.64

%

30.91

%

38.07

%

43.15

%

46.76

%

PAT

%

%

%

%

%

%

Net

ibutio n

16.74 2246. 92.44

26

15

44

27.62 3344. 91.76

74

29.60 3716. 91.75

03

21.45 2602.

24.97 2973.

Contr Ratio

P/V

%

%

%

91.77

%

%

%

0.93

1.70

2.66

3.79

15.21

0.77

0.86

0.88

0.86

0.81

Project	at	3	Gla	nce
			-	

all

Indivi Cumul Over

ative

(Number of times)

1.47

1.60

1.74

1.89

2.06

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2.06

dual

1.47

1.73

2.05

2.44

2.91

Initi

al

2

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4

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5-6

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Project	at	a	Glan	ce

Project at a Glance

\mathbf{BEP}

BEI) _	- M	ax	in	1 u :	m	Util	isa	tic	n	Y	ear
_	_					_			_			

Cash BEP (% of Installed Capacity)

Total BEP (% of Installed Capacity)

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)

Payback Period of the Project is (In Years)

Fixed Assets Coverage Ratio (No. of times)



43.31%

48.95%

27.81%

Months

2.515

2 Years 3

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Major Queries/Questions Answered in the Report?

- 1. What is Empty Hard Gelatin Capsules Manufacturing industry?
- 2. How has the Empty Hard Gelatin Capsules Manufacturing industry performed so far and how will it perform in the coming years?
- 3. What is the Project Feasibility of Empty Hard Gelatin Capsules Manufacturing Plant?
- 4. What are the requirements of Working Capital for setting up Empty Hard Gelatin Capsules Manufacturing plant?



- 5. What is the structure of the Empty Hard Gelatin Capsules Manufacturing Business and who are the key/major players?
- 6. What is the total project cost for setting up Empty Hard Gelatin Capsules Manufacturing Business?
- 7. What are the operating costs for setting up Empty Hard Gelatin Capsules Manufacturing plant?
- 8. What are the machinery and equipment requirements for setting up Empty Hard Gelatin Capsules Manufacturing plant?



- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Empty Hard Gelatin Capsules Manufacturing plant?
- 10. What are the requirements of raw material for setting up Empty Hard Gelatin Capsules Manufacturing plant?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Empty Hard Gelatin Capsules Manufacturing Business?
- 12. What is the Manufacturing Process of Empty Hard Gelatin Capsules?



- 13. What is the total size of land required for setting up Empty Hard Gelatin Capsules Manufacturing plant?
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13.2.	IMF				
14. RAV	V MAT				
15.	PRO				
15.1.	PHY				
15.2.	CH				
15.3.	BLO				
1212					
(npcs)					
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•		\mathbf{U}		

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Tags

#Hard Gelatin Capsules, #Empty_Hard_Gelatin_Capsules, #Gelatin_Capsules, Manufacturing Empty Hard Gelatin Capsules, of #Empty_Hard_Gelatin_Capsules_Manufacture, Hard Gelatin Capsule Manufacturing Pdf. Preparation of Empty Gelatin Capsule, Empty Process #Gelatin_Capsule_Manufacture, Capsule Manufacture, Capsule Manufacturing, Empty Gelatin Capsules, #Production_of_Empty_Hard_Gelatin, Manufacture of Hard Gelatin Capsules, Pharmaceutical Capsule Manufacture, Empty Capsules, Empty Gel Capsules, Manufacturing Business, Gelatin Capsule Gelatin Capsule Manufacturing, #How_to_Start_Empty_Gelatin_Capsule_Manufacturing_Business, Hard Gelatin Capsule Manufacturing Plant, Capsule Manufacture, Empty Gelatin Capsule Manufacturing Process, Capsule Production, Hard Gelatin Capsule Manufacturing Process, #Hard_Gelatin_Capsule_Manufacturing_Process_Pdf, Empty Hard Gelatin Production, Empty Capsule Production, Empty Capsule Making Business, How Empty Gelatin Capsules are Produced, Capsule Manufacturing Process Flow Chart, Manufacturing of Empty Gelatin Capsules, Project Report on Gelatin Capsule Manufacturing Industry, #Detailed_Project_Report_on_Empty_Hard_Gelatin_Capsules_Production, Project Report on Empty Hard Gelatin Capsules Production, Pre-Investment Feasibility Study on Empty Gelatin Capsule Manufacturing Business, Techno-Economic feasibility study on Empty Production, Hard Gelatin Capsules #Feasibility_report_on_Hard_Gelatin_Capsule_Manufacturing_Business, Free Project Profile on Hard Gelatin Capsule Manufacturing Industry, Project profile on Gelatin Capsule Manufacturing, Download free project profile on Empty Hard Gelatin Capsules Production



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Manufacture

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