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Yas Kavir Meybod Pharmaceutical



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## Site Overview

- Capability to manufacture and package Tablets, Capsules, Pellets, Soft Gelatin, Syrup, Liquid vials, Lyophilized vials and Prefilled syringes.
- Commercial production commenced on February 2015 for Solid Dosage Form.
- Area details: Land area (Building lot and Vacant/Parking lot): 28,500 m<sup>2</sup>
- Total built-up area: 6000 m<sup>2</sup>/ in three segregated Buildings allocated to Solid dose/Sterile/ Laboratory, Warehouse, Administration.
- Headcount - 120 at full production, Current 50



## Site Capacity

Designed to manufacture/pack 900 Million units per year as per current product list.

➤ **Maximum capability based on existing equipment for Solid Dosage:**

- |                         |                        |
|-------------------------|------------------------|
| ❖ Tablets, max          | 400 Million Dose Units |
| ❖ Capsules powder, max  | 120 Million Dose Units |
| ❖ Capsules Pellets, max | 100 Million Dose Units |
| ❖ Soft Gelatin, max     | 120 Million Dose Units |
| ❖ Syrup, max            | 10 Million Dose Units  |



## Maximum capability based on existing equipment for Sterile

- |                                      |                       |
|--------------------------------------|-----------------------|
| ❖ Liquid Vials (2- 30)ml , max       | 30 Million Dose Units |
| ❖ Lyophilized vials (2-30)ml, max    | 10 Million Dose Units |
| ❖ Prefilled Syringes (1-3,3 long)ml, | 30 Million Dose Units |

*Note: The above data is based on 5 Days working per week, 1 shift a day — 250 Days per annum*

- Warehouse equipped with -1200 pallets space
- Vacant Space to expand manufacturing, packaging and warehouse From 900 Million to approx. 1.5 billion units 4. Expansion plans available  
Facility Overview - Site Plan
- Two separate lots allowing opportunity for further expansion.  
Facility Overview - Building Plan Solid Dosage Form
- Manufacturing, packaging, QC and warehouse on ground floor, Laboratory warehouse Administration located on a different Building.
- Plant Administration on second floor



## Sterile Facility

Manufacturing, packaging, QC and warehouse on ground floor, Laboratory warehouse Administration on a different building.

## Facility Overview - Building Area Division

### Solid Dosage Facility Built up Area, First Floor & Second Floor

Manufacturing, Packaging, Warehouse/Logistics, QC Lab & Work Space, Regulatory/ Document Storage, Common Areas, Mechanical/ Electrical/ Service Areas, IT/ Communications Room.

Total First Floor: 1900 m<sup>2</sup>

Total Second Floor: 1900 m<sup>2</sup>

### Sterile Facility Built up Area, First Floor & Second Floor

Manufacturing Packaging Warehouse/ Logistics QC Lab & Work Space Regulatory/ Document storage, Common Areas, Mechanical/ Electrical/ Service Areas IT/ Communications Room.

Total First Floor: 2000 m<sup>2</sup>

Total Second Floor: 2000 m<sup>2</sup>



## Facility Overview List of Major Equipment-Manufacturing and Packaging

Single Pot Mixer Granulators, solvent capable 1100L Lodge MK 900

Fluid Bed Drier MERK Technologies 400 L

Sets of Sieves

Compression machines (Fette 43 station perfecta 2000) - 220,000 tab/hr.

Film Coat Vector 900 L, 42"

Capsule filling MGI1G36 powder 60,000 C/Hr

Capsule Filling MGI1G38 Pellet 45,000 P/Hr

Soft Gelatin Complete Line Merk Tech 60,000 C/Hr

Integrated bottle Packaging Lines Merk Tech 40 B/Min

Integrated Blistering/Cartooning line, Uhlmann UPS4MT 400 Blister/ Min

Filling capping and labeling line for syrups 2000/Hr

Liquid Vial Filling Line + (Isolator) Bosch TL U.S 15,000 Vial/ hr

Lyophilizer Usifroid France 7m2 Shelf Area = 16,000 2m1Vials

Prefilled Syringe Bausch & Strobel Complete line, camera inspection

Seidenader, cartoning 15,000 pfs/ hr



## Facility Overview List of Major Equipment - Utilities

Steam 3 Ton/ Hr Dual Burner, Compressed Air (Oil free) 2000lit/ Min, Compressed Air (Filtered), Chilled Water Takamura Japan 120 Ref. 1,440,000 BTU/ Hr, Power 250 kv, Purified Water 2000 lit.

Distilled Water Stilmas Italy 220 l/h, HVAC 100,000 CFM including filter box, Pure steam generator Finn Aqua 3000 l/h, CIP Bosch U.S 2\*2000 lit tanks, pumps.





## Facility Overview Laboratory

Two Separate buildings allocated for microbiology a chemical laboratory with total area of 400m<sup>2</sup>.

- List of Major Instruments
- FTNIR
- Ion Chromatography
- HPLC's (Agilent)
- GC with head-space analyzer (Agilent)
- FTIR (Nicolet)
- UV/Vis Spectrophotometers (hp)
- Dissolution apparatus (Erweka)
- KF Titrators /Autotitrators (Metrohm)
- Particle Size Analyser
- Differential Scanning Calorimeter
- Air Jet Siever
- Polarimeter

