



Tavan sanat

Design and construction beverage packing machinery

Packaging Industry

inline Filling machine for disposable / FLP4



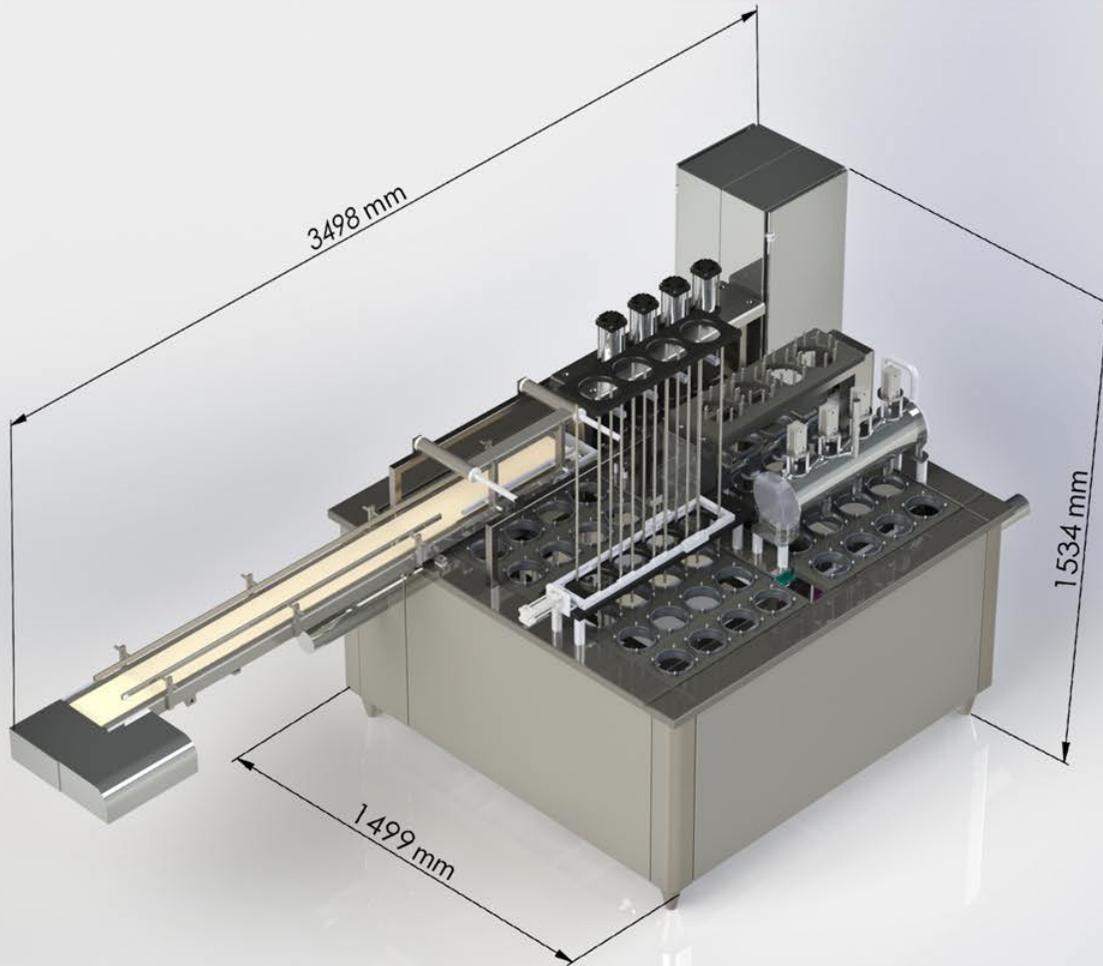


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| | | |
|--------------|-----------------|--|
| Weight | 870kg | وزن  |
| Power | 6kw | مصرف برق  |
| Air pressure | 8bar | مصرف باد  |
| Capacity | 3400kg per hour | سرعت تولید در ساعت  |



Machine design for containers with different sizes

- 1-Four lines glass feeder with a capacity of 350 glasses and vacuum capability of glasses for loading into the machine mold
- 2-Having the identification sensor of glass after glass feeder in order to filling
- 3-Four nozzles with filter connected to the tank for CIP with better quality and pollution-free
- 4-Foil feeder of vacuum type by low wind consumption, the capacity of feeders is 1.5 kg aluminum foil
- 5-Each foil feeder equipped with sensor in order to determine the foil terminating and shutdown order and reloading the foil
- 6-Foil press (silicon) with 1000 watt elements, each silicon equipped with distinct thermocouple in order to precise adjustment of temperature through thermostat
- 7-Mechanical system of containers conduction on the 2m conveyer band to install Get printer
- 8-CIP system for full automatic washing of routes involved with dairy products
- 9-Machine management system by PLC equipped with touch screen HMI monitor with context management in languages Persian, Arabic and Engl





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Perhaps for the first time that you see the machine, observe a many differences in appearance compared to similar samples but the purpose of new design is not only appearance, but also is the most efficient performance. After a short training by our staff in the production location you can easily work with the machine. Operation principle of the machine is similar to the puzzle and the molds revolution on .the machine is rotational

Each mold handles carrying four containers. Molds movement is done by pneumatic jacks on the machine. Currently this machine is designed and built for 95 and 125 opening containers with in the form of four nozzles. We recommend to more acquaintance with operation principle of the machine certainly see the film of the machine in our site. www.tavansanat.ir / www.tavansanat.tv

Washing of piping and pathways involved in food materials in the machine is done by the CIP system and washing the machine entirely is manually except the electrical cabinet that will bring no harm to the machine. Unlike other inline filling machines, all molds is easily removed from the machine for washing .or changing to the other sizes from specific location and do not need to open any of the parts

One of the disadvantages of other inline filling machine is use of chain to connect molds because as a result of exhaustion for a long time a large gap between the molds will be created and this will be the intense disorder in sections of Foil feeder, silicon containers output of the machine and fortunately, this !case is eliminated in the Puzzle designed machine and the molds are not connected

Filling and foil feeder command of the machine is given by a sensor and processing of four sensor is done by only a sensor command to the machine management system. Cost of repairs is reduced to $\frac{1}{4}$.without any reduction in quality but with better performance In case of sensor failure

You can easily define the capacity of filling of each nozzle separately in HMI monitor and produce and .present your products with different capacities

Direct connection of nozzles to the filling tank has the significant role in reducing pollution and lack of use of pipe and connections between the tank and the nozzles in addition to the partial removal of contamination has shown high accuracy in filling than previous generations

But it should be mentioned after the compliments, we have a duty to express one of the disadvantages of the machine. The high nearly wind consumption of the machine has led to that manufacturers use the compressors over 400 kilograms which provision of such compressor to produce the industry dairy and food material is negligible





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The above machine is designed and built according to customer order for filling dry goods and attenuated liquids such as dairy in glass containers designed. In new design of the machine not only molds are easily interchangeable, but also you can to fill two types of containers with different sizes, 95 and 125 with a machine. Of course, it is possible by ordering new molds

The maximum required time to change the molds by a naive operator is 15 minutes and the pieces for filling new containers should be replaced are 12 molds without being connected to the machine and glass feeder and foil feeder mold, respectively which required training format is given During the installation and launching steps We tried in multipurpose design of the machine that in addition to filling diluted nozzles is also the possibility of installation of the system of filling thick alongside the nozzles and put empty situation of the capacity on the machine .that allows according to customers order is also possible



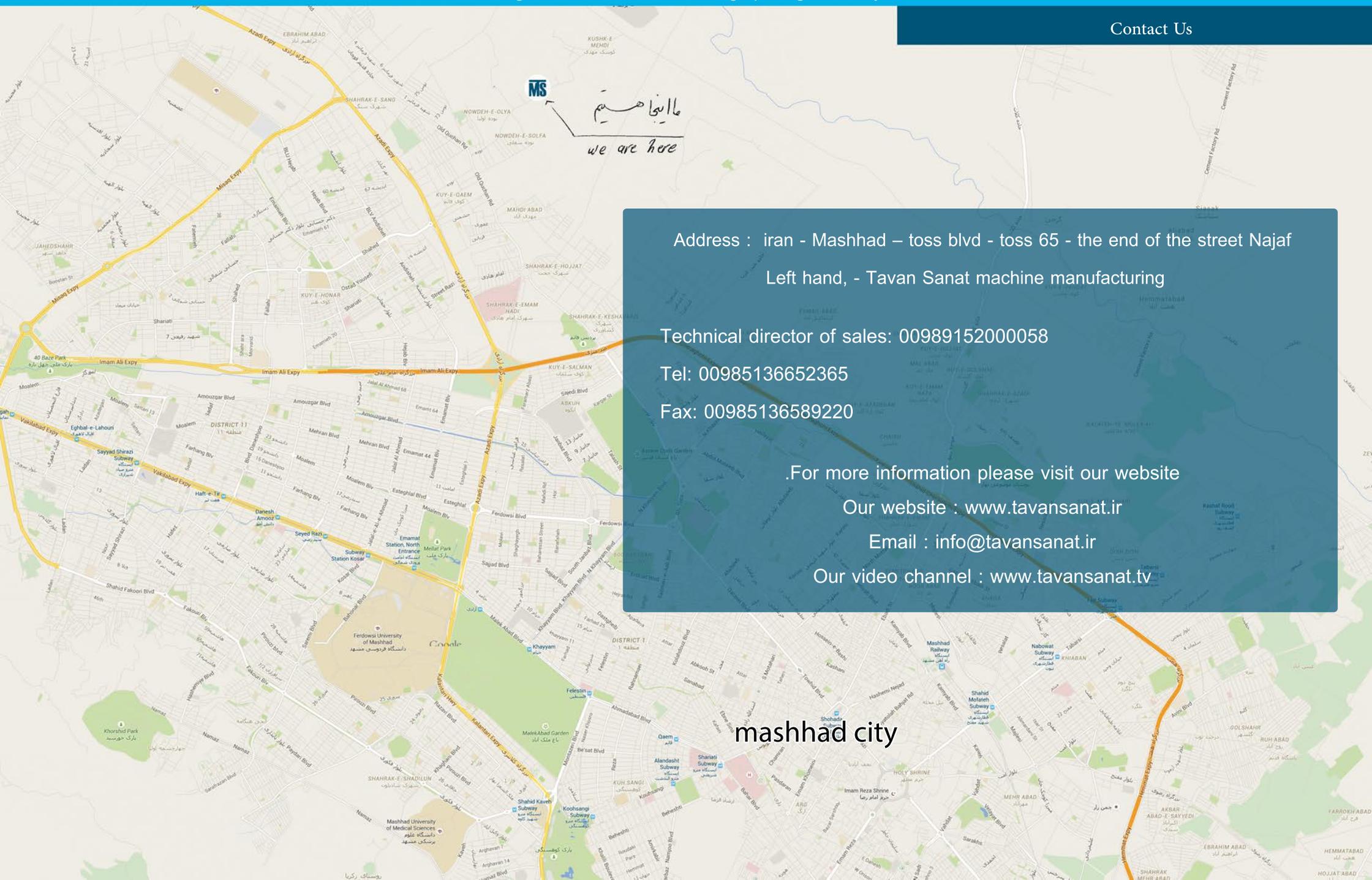


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Contact Us



ما اینجا هستیم
we are here

Address : iran - Mashhad – toss blvd - toss 65 - the end of the street Najaf

Left hand, - Tavan Sanat machine manufacturing

Technical director of sales: 00989152000058

Tel: 00985136652365

Fax: 00985136589220

.For more information please visit our website

Our website : www.tavansanat.ir

Email : info@tavansanat.ir

Our video channel : www.tavansanat.tv

mashhad city