

### New technology

VEGAN CAPSULE SHEL

#### **EQUIPMENT**

We sell the equipment line for the production of CBD and Cannabis oil capsules



#### **TECHNOLOGY**

Open source code. Free patent. No restrictions. No analogues.



#### **CONDITIONS**

Royalty free. Raw materials are available on the open market.







#### **PRODUCT**

CBD, Cannabis, Hemp and Herbal oil capsules. The capsule shell of algae material agar-agar.



#### **GMP STANDARD**

The equipment meets all modern requirements for the production of THC oil.



#### **SERVICE**

Learning step by step. Advice and assistance in starting a business.

### **THC Capsulator**

TEAM OF PROFESSIONALS



#### **About Our Company**

FOUNDED IN EUROPE 2018

We offer our clients a know-how worldwide. The unique equipment Capsulator for production of THC oil capsules, encapsulation of oil in a capsule cover, filling of the capsule oil. The received production (capsules without seams) has the name - soft seamless vegan capsules. We actively introduce the new technology of capsulation allowing to do capsules without production wastes among THC oil producers. Having extensive experience of production of vegan capsules, we help our clients until release of finished goods. All capsular equipment used in this technology is manufactured by our company and today remains to the most available at the price in the pharmaceutical market of the whole world. Unconditional advantage of a capsulation is the high efficiency of the line, use of effective price raw materials, the absence of defects and lack of production wastes.

### **Capsule characteristics**

NEW ON THE MARKET THC OIL



#### **Vegan and Organic product**

The capsule shell is made from vegetable raw materials. Seaweed NOT GMO.



#### Capsule size and shape

The diameter of the capsules 5-6 mm / 0,2-0,24 inch. The dose of THC oil 80-100 mg in 1 capsule / 0,0028-0,0035 oz in 1 capsule.



#### **Shell properties**

The thickness of the capsule shell is 0.02-0.1 mm / 0,00079 - 0,0039 inch. Chews easily in the mouth. Apple flavor.



#### **Shell composition**

Agar-agar, plasticizer, food coloring, preservative, distilled water.



## Advantage

**NEW THC PRODUCT** 

#### Very thin shell

The capsule has a minimum amount of shell material. This is a fantastically small amount. Shell thickness 0.02-0.1mm 0,00079 - 0,0039 inch

#### No air inside

The technology makes capsules without a bubble of air inside. Oil does not oxidize for a long time.

## The dose of CBD oil 20-100 mg 0,0007-0,0035 oz

The consumer can use the minimum dose in the form of a capsule that can be taken in hand.

#### **Food design**

Capsules can be used in the molecular kitchen and pastry to create the WOW effect.

#### **Quick effect**

Small capsules can be easily swallowed for children, pets, people with health problems.

#### Types of packaging

Capsule shape allows you to pack products in blisters, plastic bottles, sachet bags, cardboard boxes. Individual packaging is possible for one capsule with THC oil.

#### **Savings policy**

In the process of producing capsules, the amount of waste is not more than 1%. Allows you to get the maximum profit.

#### Mix oils

The possibility of obtaining within one capsule several types of oils.



### **Production stages**

INTUITIVENESS & EASE OF USE

#### **Cooling and drying the capsules**

After making the capsules must be dried before packaging. Drying time 4-5 hours

#### **Agar Gel**

According to the formula, prepare agar gel in the reactor, connect the pipeline to the Capsulator.





#### Inspection and packaging

The resulting capsules are tested for quality. The final stage is packaging.





#### **Capsule production**

The process of forming capsules is completely automatic. Time works for 8-10 hours without stopping.



#### **Cannabis preparation**

It is necessary to check the quality of the THC oil and place it in the Capsulator tank.

### **Classic Model Encapsulator**

### 18000\$

MINIMUM INVESTMENT TO START



Only 2 liters / 0,53 gal of THC oil as the minimum load of equipment for the test or a small batch of products.

- ✓ Placement of equipment in a small laboratory or room.
- ✓ The ability to service equipment by 2 employees.
- ✓ Compact size and weight of equipment, wheels to move around the room.
- ✓ Easy to manage and clean. It can be used both in the laboratory and in the industrial production of capsules.

### **Battle capsules**

AGAR VEGAN TECHNOLOGY **VEGETABLE SHELL OLD TECHNOLOGY** Agar **SMALL SIZE CAPSULES BIG SIZE CAPSULES SMALL SHELL THICKNESS Gelatine NEW TECHNOLOGY ANIMAL SHELL** 

### 15 000 THC oil soft gels capsules for 1 hour

COST CALCULATION

100 mg / 0,0035 oz

Oil dosage can be adjusted by the operator to any weight.

1 h

**Production time** 

Capsulator automatically produces 15,000 capsules in 1 hour.

\$6

**Cost of materials** 

The cost the preparation of the gel shell 15 000 capsules

10 kg / 22,05 lbs

**Total batch weight** 

15 000 ready-made capsules have a total weight of 10 kg / 22,05 lbs

6 mm / 0,24 inch

Diameter

Capsule sizes can be changed at the request of the manufacturer.

2 kW

**Power consumption** 

Economical power consumption for 1 hour of equipment operation

### **Specifications**

CAPSULATOR INFORMATION

#### **Capacity**

15 000 capsules per 1 hour 720 120 000 capsules / working day 13 kg capsules / working day 29,40 lbs capsules / working day

#### Working temperature

Heating temperature agar gel max +100 C /212 F . Cooling temperature of oil - 5 C /23 F

#### **Operating rules**

The recommended working time is 8 hours per shift. Continuous mode 22 hours a day.



#### **Materials**

All parts of the equipment are made of stainless steel AISI304 and 316.

#### Power supply voltage

Power is 2,5 kW For the US, UK, Canada 120V For other countries 220V

#### Size and weight

Size 650x800x2000 mm Size 25,59x31,49x78,74 inch. Net weight 200 kg / 440,92 lbs Packing Weight 280 kg / 617,29 lbs.

### Photo album

CAPSULATOR INFORMATION









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### **Optional equipment**

**DESCRIPTION** 

# Preparation of the gel for 1 day of work

For the preparation of agar gel 100 L/ 26,42 gal Heating temperature +100 C / 212 F

**Gel Reactor** 

# Removal of residual oil from the capsule shell

Loading 2 kg / 4,41 lbs capsules Rotation speed is not more than 400 revolutions per minute.

Centrifuge

# Removal of residual oil from the surface of the capsule

Loading 2 kg /4,41 lbs. Washing time 1-2 minutes.

**Capsule washer** 

### Capsule placement drying process

60 plastic trays for capsule distribution drying process.

**Drying system** 

### Your factory team

FIND STAFF AND FUNCTIONS



#### Mechanic

The man. Technical skills. Good vision without glasses. Attentiveness. Ability to operate machinery and equipment.

Preparation of equipment for work.

Connection of additional equipment.

Acting as an equipment operator.

Cleaning and testing equipment.

### Technologist

Man or woman. Education in the field of food or pharmaceutical production.

Control of incoming raw materials.

Gel preparation and loading of THC oil.

Check the first capsule samples and adjust the gel.

Quality control before packing capsules.

### Squares for your factory

**ROOM FUNCTIONS** 



Area from 100 ft<sup>2</sup>/ 10 m2

Control parameters of incoming materials.

Gel preparation.

Cooking oil filler capsules.

Control the viscosity of the gel.



Cleaning the surface of the capsules.

Preparation of capsules for drying.



Warehouse of incoming materials. Finished products warehouse.



Racks for placing the capsules at the time of drying.

Preservation of the desired temperature, the separation of moisture from the air, ventilation of the air.



Area from 160 ft<sup>2</sup>/ 15 m2

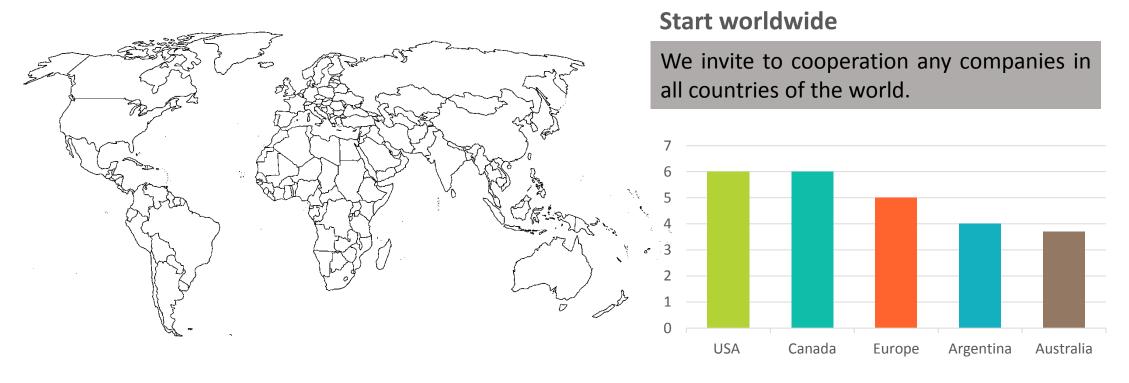
Capsule production. Placement of the entire production line. Capsulator and additional equipment.



Visual quality control of finished capsules. Check the weight, thickness of the shell. Packaging equipment ready capsules.

### Search customers

**CUSTOMERS AND PARTNERS** 



We are the pioneers of the equipment and technology of vegan capsules THC. We are open to all.

### **Company - Soft Gel Capsules Technologies Co.Limited**

**CONTACT INFORMATION** 



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