



אגרום
AGROM

Makes Nature Better

Products catalog
2022

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About Us



Agrom was established in 1998, in order to find a solution to the problem of Pollination in dates.

The farmers who knew Avi's (AGROM's Founder & Owner) abilities have approached him with a real need to find solutions to promote & improve the date crops. While listening to the farmers and acquaintance with the growth methods, since 1998, Avi labored to find a unique and dedicated solution. After three years of development and experimentation, the first Palm Date Pollination machine was created and immediately we began to manufacture the machines. The palm date farmers were able to identify the great potential and purchased Pollination Machines through out the country.

Over the years, The palm date pollination machine has substantially improved in accordance with the evolving needs of the palm date branch. In addition, others machines were developed; machine that extract the pollination powder from the male flower, a rotary powder mixer, male flower opening table and a palm date picking machines.

"AGROM" develop and manufacture custom unique machinery for the palm dates crops that **designed especially for the palm date tree** and for high altitude work, **save work force costs and work time**, improve the **quality of the fruit** by accurate pollination, and **increase the profitability of orchard owners**.

We are using first-class assemblies and raw materials, strict and precise production processes, and ensuring quality and reliability for many years. We invest considerable resources in the planning and development of ideas and improvements, and are attentive to providing engineering solutions to new challenges in the field of machinery.

Agrom has hundreds of machines in **Israel** and **world wide: USA** (California & Arizona), Saudi Arabia, Egypt, Colombia and South Africa.

**We are welcoming you to join the
Worldwide success!**

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Our Products

You can easily click on the product 

Male Flower Pollen Extraction machine

Male Flower Opening Table

Rotation Pollen Mixer

Rotation Pollen Mixer - V 180

Palm Tree Pollination & Spraying machine

Trailed sprayer 1500 L

Bags Rolling machine



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Male Flower Pollen Extraction Machine



CODE:EM-1209-L

Length	Width	Height	Weight
196cm	112cm	187cm	409kg

- 100% pollen Extraction - Significant savings in pollen, manpower, Money & time
- No depreciation
- 2.5-5 KG pollen per hour
- Precise Cyclone
- Simple and convenient operation
- Pollen collected in a glass jar at the bottom of the cyclone.
- A large safety drum



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Male Flower Pollen Extraction Machine

CODE:EM-1209-L



Technical Details

Male Flower Pollen Extraction Machine consist two parts:

Large extraction drum & precise Cyclone

- ▶ **Large drum:** contains 35-45 flowers!
Cyclone system for collecting pollen into a glass jar. Glass jar: include 2 pieces.
- ▶ **Accurate cyclone system - 100% pollen collection without depreciation.**
Output: 2.5KG- 5KG at 1/hour
The machine is electrostatic coated in the oven for high quality coloring and environmental protection.
- ▶ **Electrical System:** Voltage 220V, 50-60 Hz frequency.
Power Panel: Emergency switch, switch for each electric motor. Main electric motor 2 HP with a gearbox.
Digital frequency regulator to control speed rotation.
Electric suction blower motor: 185 watts.



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Male Flower Opening Table

CODE:OT-1506



Length	Width	Height	Weight
125cm	109cm	175cm	169kg

- ▶ Opening the flowers on a mesh tray - to open the flowers before drying and producing the pollen.
- ▶ Maximum pollen keeping that will not be lost in the air
- ▶ Pollen collected in a glass jar at the bottom of the cyclone.
- ▶ 100% pollen collection without depreciation.
- ▶ Precise Cyclone
- ▶ Simple and convenient operation
- ▶ High performance and significant pollen savings.

Proven savings of 20%
pollination powder
Using the opening table !!!



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Rotation Pollen Mixer

CODE:MX-1508-L

Length	Width	Height	Weight
130cm	110cm	120cm	198kg

- ▶ Rotation pollen mixer to mix the pollination powder in rotation For homogeneous mixing and equal powder distribution
- ▶ 10 minutes mixing only - for uniform mixing results.
- ▶ Precise mixing results - for high quality fruit results
- ▶ Simple and convenient operation, complete control of the rotation speed of the container
- ▶ Stainless steel container – 35 Liter



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Pollen Mixer

V - 180

CODE:MX-1508-180



Length	Width	Height	Weight
207cm	80cm	174cm	348kg

- ▶ Rotation pollen mixer to mix the pollination powder in rotation For homogeneous mixing and equal powder distribution
- ▶ 10 -15 minutes mixing only - for uniform mixing results.
- ▶ Precise mixing results - for high quality fruit results
- ▶ Simple and convenient operation, complete control of the rotation speed of the container
- ▶ Stainless steel 304 container – 180 Liter Working Volume – 180/L – 54KG +-



Feeding material (cover)



butterfly valve for discharging



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Palm Tree Pollination & Spraying Machine

CODE:PM-1006



Length 260cm	Width 180cm	Height 238cm	Weight 620kg
Can only be transported in a 40 feet High Cube container.			

- ▶ Pollination of 400-450 trees in only 1 hour with only one worker!
- ▶ Accuracy and uniformity in Pollination and fruit yield
- ▶ Significant savings in manpower, resources, tools and money
- ▶ Easy to use
operates with control panel
- ▶ Additional joint for the machine's cannon for pollination and spraying also for young plantations from zero height.
- ▶ Built-in connection to spraying liquids
- ▶ **Worldwide success!**



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Palm Tree Pollination & Spraying Machine

CODE:PM-1006



Technical Details

▶ The Machine consists five systems:

Centrifuge blower discharge air 2-22 meters (option – cannon from 0-22 meters).

Control panel to operate the entire machine next to the tractor operator. easy & simple to use – **only one employee.**

Cannon with Electro-hydraulic operation control.

-Capacity: 4-KM/H: 9 meter spacing between trees = **444 trees per/h**



▶ Pollen injection device with a constant mixer into the air stream with special pollen pump. 5 HP air compressor with 120L air tank.

Liquid can be sprayed with the machine. The machine supplies with 4 spraying nozzles installed on the cannon.

-The machine operates by a tractor 65-70 HP.

The machine is electrostatic coated in the oven for high quality coloring and environmental protection.

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Palm Tree Pollination & Spraying Machine



Recent innovations

Cannon Raise:

- ▶ Cannon static raise to 150 cm high for the pollination machine to provide a high quality spray solution. Possibility to install on existing machine.

<https://www.youtube.com/watch?v=rgVwTxIbBgE>



Cannon Tilt down

- ▶ Additional joint for the machine's cannon for pollination and spraying also for young plantations from zero height.



Can be combined :Cannon raising & Cannon tilt down in the same machine according to the customer's choice

Swinging Cannon for Palm Leaves spraying

Innovative development for spraying foliage landscape.

Possibility to install on existing machine.

<https://www.youtube.com/watch?v=C6OyqANyCc>



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Trailed Sprayer

1500 L

CODE:TS-1302

Suitable for spraying Dates with the pollination machine.

- ▶ 1500 liter container model LA-PE (polyethylene) with a clean water tank for hand washing and a clean water tank for washing a system according to the European CEE / EEC standard.
- ▶ COMET pump Model APS-96 (Diaphragm) 94 L / min - 50 BAR pressure.
- ▶ Operation of a pump by a hydraulic motor



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Bags Rolling Machine

CODE:BR-2706



- ▶ A system for rolling and tying bags for maximum preservation of sacks and storage arrangement.
- ▶ Possibility to adjust the rolling system and adjust it according to the size and quantity of sacks desired
- ▶ Significant savings in storage of bags, orderly and convenient storage of bags
- ▶ Easy, convenient use with significant savings while using on trees.
- ▶ Semi automatic binding system
- ▶ A convenient and large preparatory table
- ▶ Simple and convenient operation with joystick



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Bags Rolling Machine

CODE:BR-2706



The machine was developed in cooperation with "GEOTY Ltd."



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