



CENTRIFUGE TECHNOLOGIES

Complete Production Line for Avocado Oil





Boost The Purity Of Your Avocado Oil

Even if it is the fruit with the highest fat content, avocado is mostly consumed raw just like any other fruit. However, the importance of avocado oil is increasing day by day due to the increasing use of avocado-based products and avocado oil for cosmetic and culinary purposes.

There are two main methods for extracting avocado oil for industrial production.

- In the first method; after the fruits are dried, they are pressed at high temperatures and oil is extracted by means of organic solvents.*

- In the second method; oil is separated from fruits by centrifugal or pressing forces, then oil cells are submitted to mechanical and enzymatic destruction.*

*We offer the complete Production line
for Avocado Oil*

Advantages of Polat Makina

- High product yield with high product quality
- With the differential speed control system, you can increase efficiency with maximum capacity
- Low utility consumption
- Double motor scroll and main motor VFD enable the differential speed control
- Long uptime with less service requirement
- High clarification efficiency
- Easy to use for all kind of customers
- 2 and 3 Phases options are available
- Eliminates the contamination with CIP-system integration
- Whole integration into your SCADA system with our programmable PLC system
- Quick access to your equipment by remote control
- Easy to reach to the service supported from a global network
- All equipment is produced in accordance with food regulations and CE standards

*Focus on Performance
with Polat Makina*





5 continents 44 countries

Group companies in 3 countries
Dealership, distributorship and agency in 14 countries.

Group Companies

Italy
Greece
Morocco

Dealer & Distributor & Agency

Germany	China	Egypt
Spain	Argentina	Tunisia
Belgium	Brazil	Jordan
Ukraine	Iran	(Middle East)
Russia	Malaysia	Algeria

Exported Countries

U.S.A	Georgia	Uzbekistan	Tunisia
United Kingdom	Australia	Tataristan	Morocco
Italy	Albania	Iran	Sudan
Spain	Ukraine	Iraq	Libya
Belgium	Russia	Nicaragua	Lebanon
Slovakia	Azerbaijan	Kazakhstan	Palestine
Poland	Cyprus	Malaysia	Egypt
Greece	China	India	Syria
Romania	Kosovo	South Africa	Jordan
Germany	Argentina	Qatar	Ethiopia
Switzerland	Brazil	Saudi Arabia	Algeria

We are at your disposal **all around the World.**

Avocado Oil Modular Processing Unit



PXA 60 SERIES

Maximum Capacity	60 tonnes/days
Washing and Sorting	
Band – Elevator	
Crusher or Destoner	
Malaxer	MX 4000
Decanter	PMS 470/PXA 60
Separator	PMS 405

PXA 100 SERIES

Maximum Capacity	100 tonnes/days
Washing and Sorting	
Band – Elevator	
Crusher or Destoner	
Malaxer	MX 6000
Decanter	PMS 470/PXA 100
Separator	PMS 405

PXA 120 SERIES

Maximum Capacity	120 tonnes/days
Washing and Sorting	
Band – Elevator	
Crusher or Destoner	
Malaxer	MX 6000
Decanter	PMS 470/PXA 120
Separator	PMS 405

PXA 160 SERIES

Maximum Capacity	160 tonnes/days
Washing and Sorting	
Band – Elevator	
Crusher or Destoner	
Malaxer	MX 4000*2
Decanter	PMS 570/PXA 160
Separator	PMS 505

PXA 250 SERIES

Maximum Capacity	200 tonnes/days
Washing and Sorting	
Band – Elevator	
Crusher or Destoner	
Malaxer	MX 6000*2
Decanter	PMS 570/PXA 250
Separator	PMS 505

PXA 500 SERIES

Maximum Capacity	300 tonnes/days
Washing and Sorting	
Band – Elevator	
Crusher or Destoner	
Malaxer	MX 8000*2
Decanter	PMS 570/PXA 500
Separator	PMS 505



MALAXER FEATURES

Model	Capacity (lt/h)	Motor Power (kW)	Dimensions (mm)
MX 4000	4000	3	1310x4587x2400
MX 6000	6000	4	1310x6587x2400
MX 4000*2	8000	6	2620x4587x2400
MX 6000*2	12000	8	2620x6587x2400
MX 8000*2	16000	11	2920x6587x2549



DECANTER FEATURES

Model	Bowl Diameter (mm)	Motor Power (kW)	Driver
PMS 470/ PXA 60	470	30+15	VFD
PMS 470/ PXA 100	470	37+15	VFD
PMS 470/ PXA 120	470	37+15	VFD
PMS 570/ PXA 160	570	55+22	VFD
PMS 570/ PXA 250	570	55+22	VFD
PMS 570/ PXA 500	570	75+22	VFD



SEPARATOR FEATURES

Model	Bowl Diameter (mm)	Motor Power	Bowl Speed (rpm)
PMS 405	405	5,5	6500
PMS 505	505	11	5500

Information About Avocado Oil



EXTRA VIRGIN

It is the oil obtained from high quality fruits (with minimal rot and bruises). It is carried out at low temperatures (<50°C) using only mechanical extraction methods, such as press, decanters and screw presses. During the process, water and processing aids (eg enzymes and talcum powder) may be used, but no chemical solvents are used.

VIRGIN

It is the oil obtained from fruit with some bruises or bruises. It is carried out at low temperatures (<50°C) using only mechanical extraction methods, such as press, decanters and screw presses. During the process, water and processing aids (eg enzymes and talcum powder) may be used, but no chemical solvents are used.

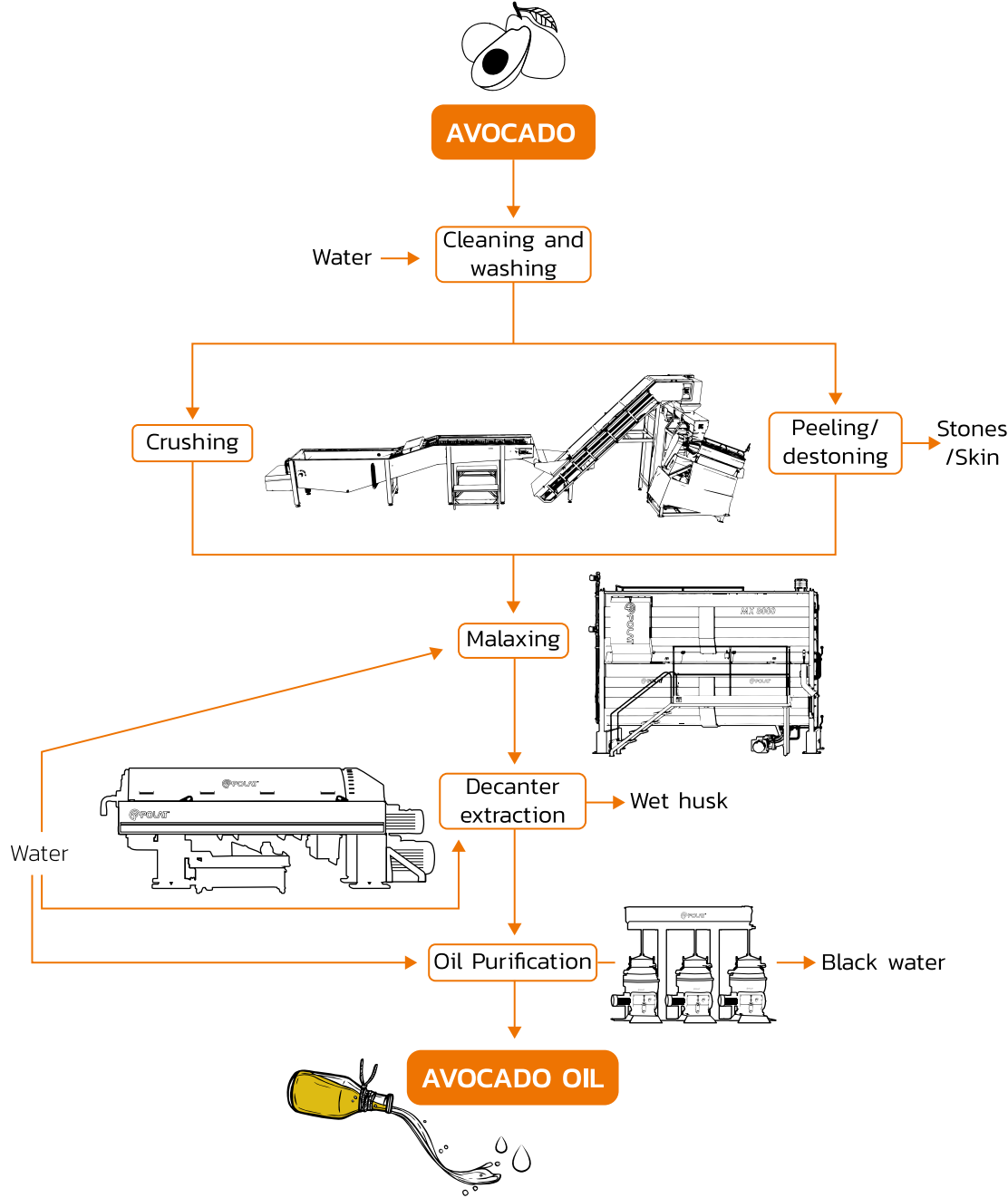
PURE

Fruit quality is not important. It is a decolourized, odourless oil with no bland flavour and has low acidity.

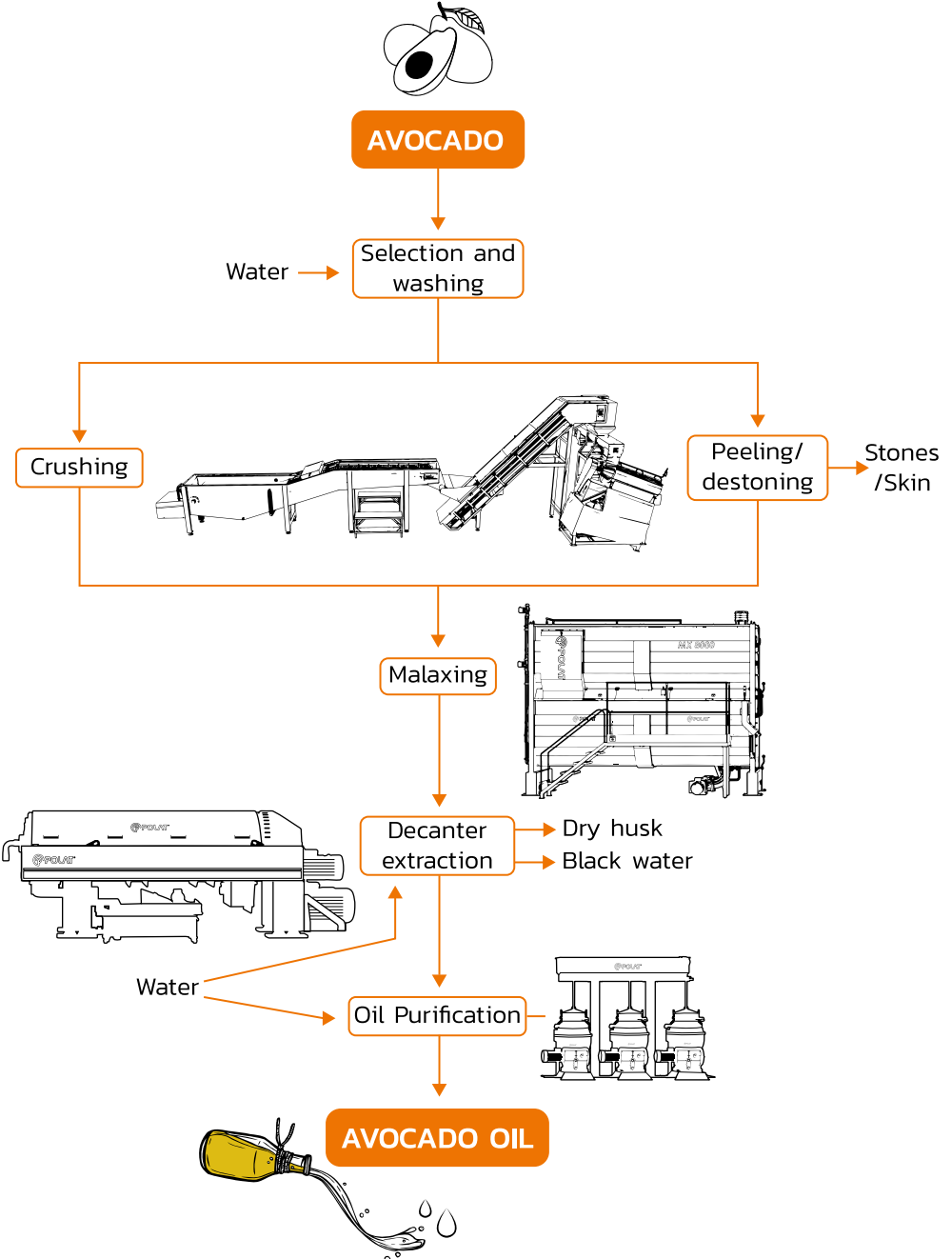
BLEND

This kind of avocado oil is perfect for blending and complements extra virgin olive, flaxseed and pumpkin seed oils. The specification and composition should match what is claimed on the label.

2-PHASES



3-PHASES



365 days 7/24 Service Excellence



A fast service that reduce downtime to zero?

The most important preference criteria for you is fast service and spare part solutions.

Polat Services provide a wide range of service without making distinctions between small and big machines.

Upon demand, periodic controls of process performance and mechanical conditions in customers' operations with service contracts and a flawless service is provided for supplying of original spare part and changing fields.

Yes, excellence is possible.

Who we are?

Having been laid the foundations in 1978, Polat Makina aims to improve constantly and provide products and services in global-scaled quality and standards with its employees.

It continues its journey which had began in an atelier for 4,5 m² by exporting the values manufactured in an area for 88,000 m² for 44 countries in today's world. Polat Makina is a subsidiary of Polat Group Holding, which has 13 group companies, 4 of which are located abroad, in Italy, Germany, Greece, and Morocco.

Our values

We prioritize creating value for our customers, meeting their expectations in company with quality and stability, looking after our products and being there for our customers aftermarket process. We aim to realize a corporate management faithful to the values such as modesty, human and endeavor, public closeness and social responsibility awareness. Another fundamental principle which we prioritize is to fulfill our responsibilities for today's world and future generations.

Eco-friendly

As a responsible corporate entity, Polat Makina is committed to reducing its environmental impact through eco-friendly policies and practices. We understand the urgent need to address climate change and its impact on our planet. Our eco-friendly policy includes reducing our carbon footprint by using renewable energy sources, reducing waste, and recycling materials.

We also encourage sustainable transportation and use of energy-efficient appliances. Our commitment to eco-friendly practices extends to our supply chain, where we work with our suppliers to ensure they also follow eco-friendly policies. We believe that every action we take towards sustainability can contribute to a greener future for our planet.

Commitment to Human Rights

Our company is committed to promoting and protecting human rights in all aspects of our operations. We recognize the impact our operations can have on human rights and are committed to respecting the rights of our employees, contractors, suppliers, and the communities in which we operate.

Our human rights policy is based on international human rights principles and we strive to create a workplace culture that is free from discrimination and exploitation. We monitor our supply chain for human rights abuses and support human rights initiatives in the communities in which we operate. We believe that every person deserves dignity, equality, and justice and are committed to upholding these principles in all that we do.



Discover the Harmony
in the Flow of Life



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Polat reserves the right of design and technical changes for itself to change machine.

Polat Makina Customer Service

For Sale, Service, Maintenance and Complaints requests you can reach Polat Makina customer services at the following number:

+90850 255 1978