



Modular olive oil processing unit



According to us it is possible...

We give the same answer for 38 years to those who asked us what is the biggest difference that separates you from others:

The capability of creating new ideas.

Because any new demand that you encounter in the sector is a unique testing that can be solved with creative and innovative mind.



Lowering the cost with excellent energy efficiency? according to us it is possible...

Let's say, you want to maximize business profitability without giving up from reliable performance.

Don't worry, you can assure this in three ways with Polat products.

- 1- By saving energy.
- 2- By making processes productive.
- 3- By minimising total life cycle cost of your machinery.



Remote control with your mobile phone? according to us it is possible...

Let's say, you need different requirements for different applications .

Don't worry, Polat offers ideal solutions to different processes and industrial areas.

The most suitable designs are created for the total production process that you required and after the installation of machines in place , they are commissioned.

In this process, every stage is under the control of Polat specialists.



Capacity increase without buying a new system? according to us it is possible...

Let's say, you want to increase capacity without ruining your present investment; however, you are told that without buying a new machine it is impossible.

Don't worry, Polat has an engineering skill that it developed for this and call it **"lego system"**

Just buying the new unit as you needed, you can add it to your old system and increase your production.



Does it seems impossible at first sight? according to us it is possible...

Let's say, some physical negativities such as area narrowness make a trouble for your new machine that you want to buy.

Even you are told that it is impossible like this.

Don't worry, Polat specialists will develop a special project with their knowledge and specialties and they will realize **"dependently positioning"** like a dexterous tailor.

In addition, Polat products needs smaller areas than other alternative systems with their excellent designs.

365 days 7/24 excellent service



A fast service that reduce downtime to zero? according to us it is possible...

Let's say, the most important preference criteria for you is fast service and spare part solutions.

Don't worry, you are in the right place.

Polat Service Department provides 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 trouble-free changing fields

Yes, according to us perfectness is possible.

In 5 continents Exportation to 34 countries

Group companies in 3 countries

Dealership, distributorship and agency in 9 countries.

Dealer & Distributor & Agency

Tunisia
Jordan (Middle East)
Algeria
Belgium
Slovakia
Russia
Ukraine
Germany
United Kingdom



Group Companies

Greece
Morocco
Italy

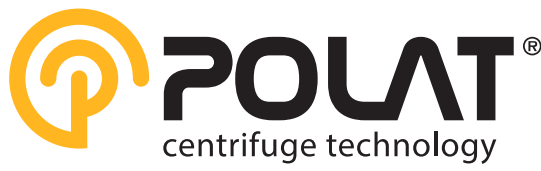
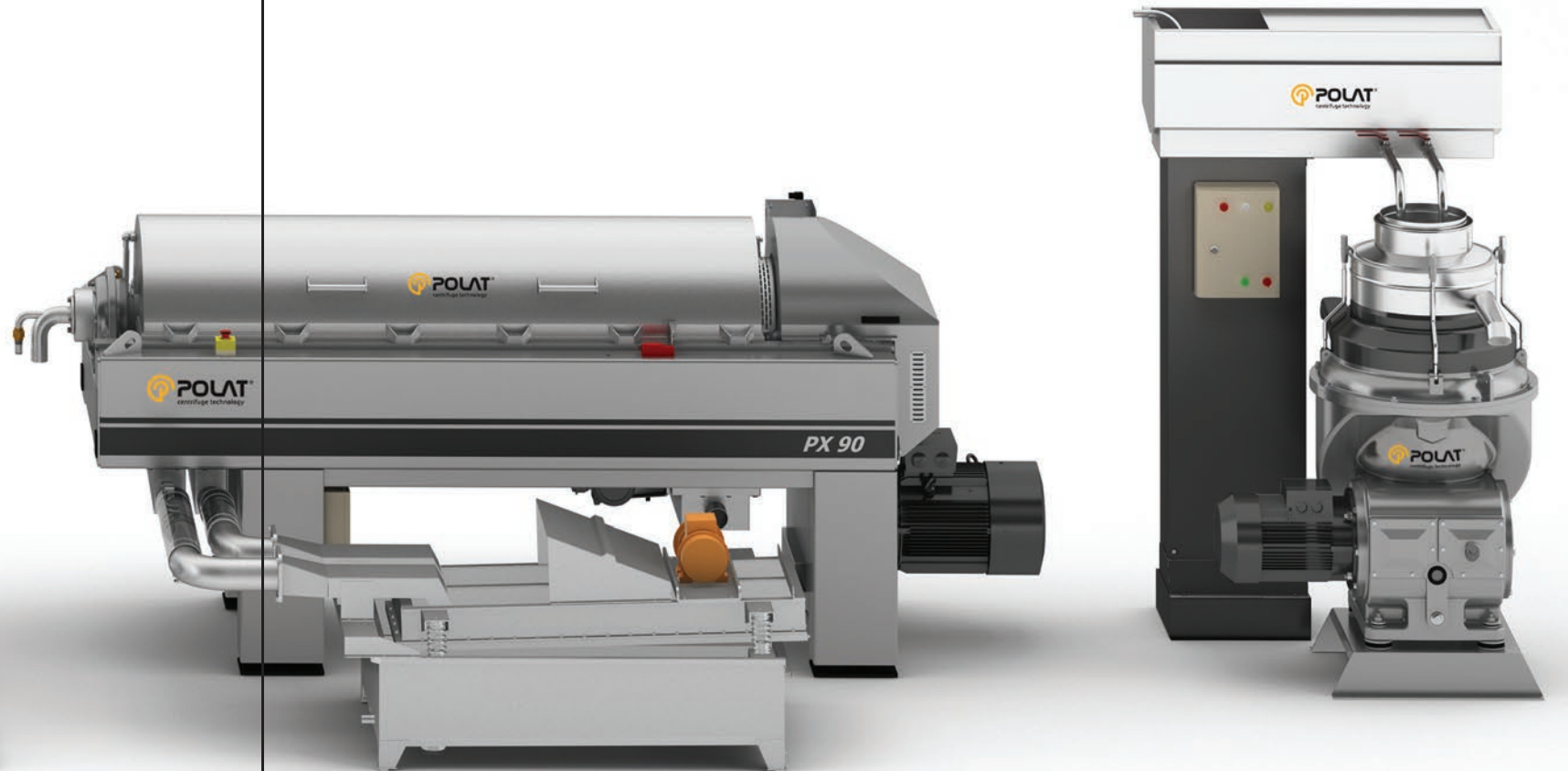
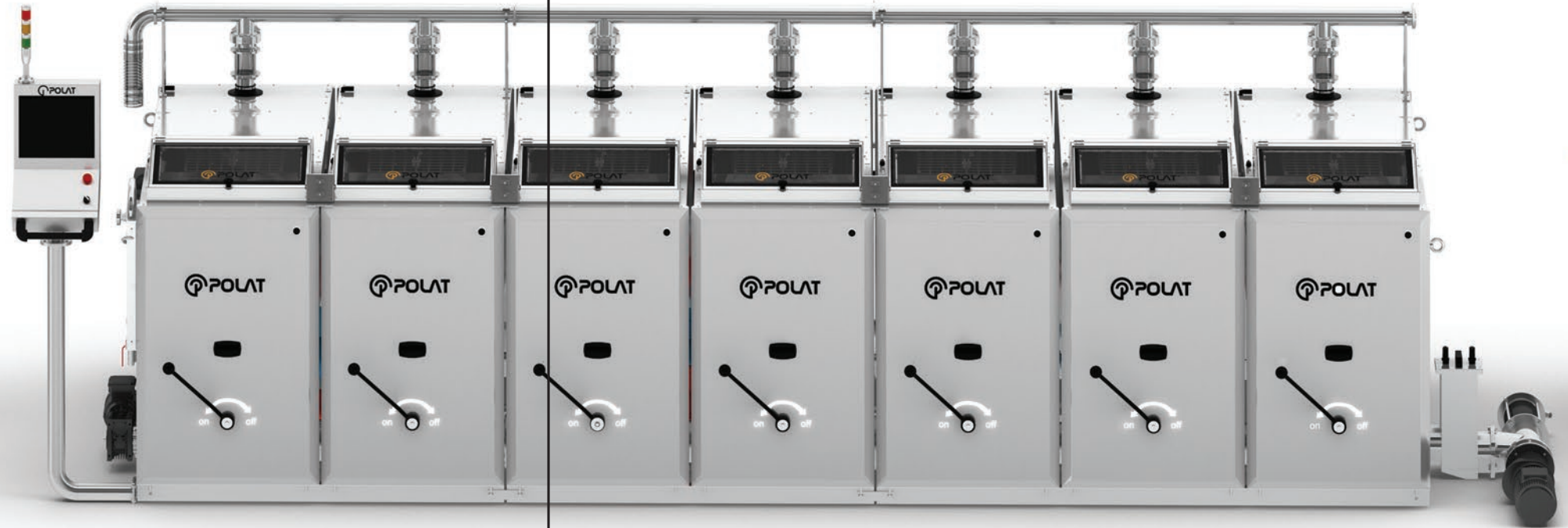
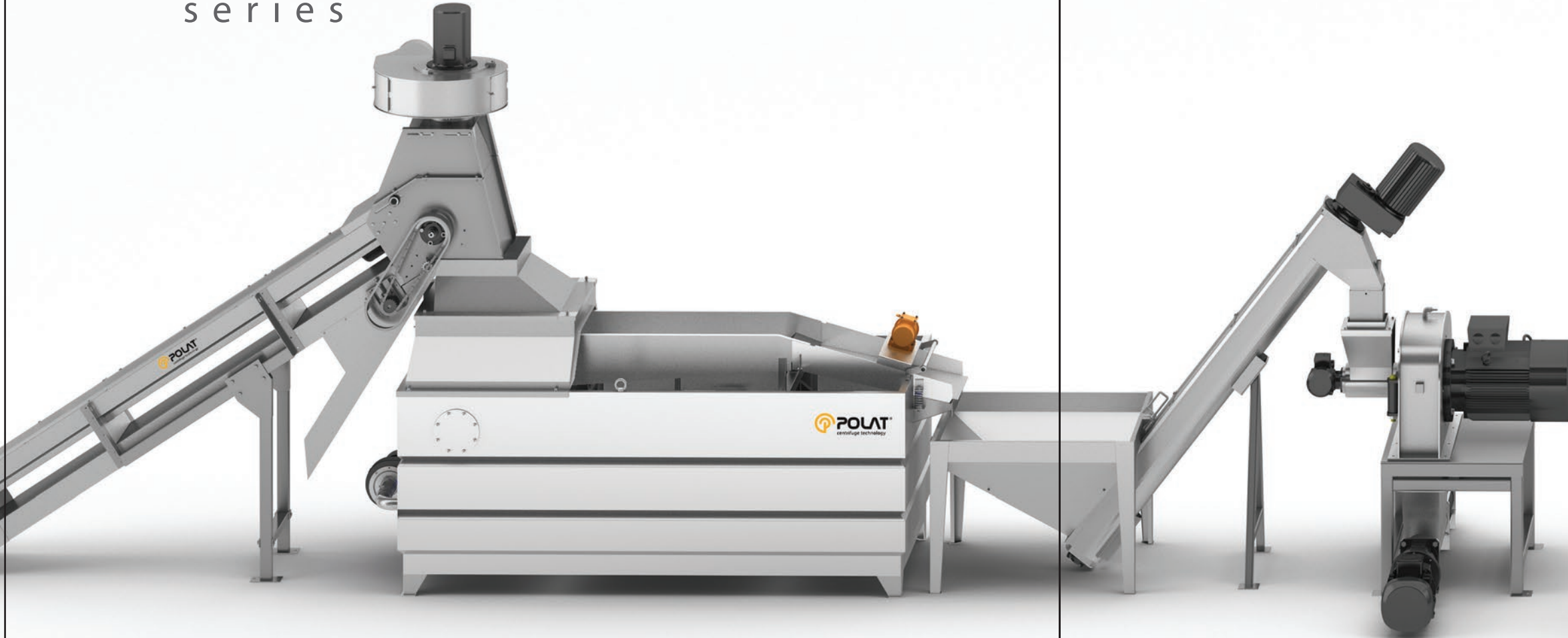


Exported Countries

- | | | | | | |
|-----------------|---------------|-----------------|------------------|---------------|--------------------|
| 1• U.S.A. | 7• Belgium | 13• Romania | 19• Algeria | 25• TRNC | 31• Azerbaijan |
| 2• Saudi Arabia | 8• Slovakia | 14• Russia | 20• Georgia | 26• Syria | 32• India |
| 3• Greece | 9• Kazakhstan | 15• Nicaragua | 21• South Africa | 27• Iraq | 33• Germany |
| 4• Italy | 10• Ukraine | 16• Switzerland | 22• Lebanon | 28• Iran | 34• United Kingdom |
| 5• Tunisia | 11• Albania | 17• Libya | 23• Palestine | 29• Australia | |
| 6• Morocco | 12• Sudan | 18• Qatar | 24• Egypt | 30• Jordan | |

 Olive oil modular process unit

PX 90
series



 PX20 Series

Maximum capacity	20 ton/day
Installed power	46,14 Kw
Conveyor Belt	PMS / B 23
Washing Machine	PMS / Y 23
Crusher	PMS / K 325
Malaxer	PMS / VX 1350
Decanter	PMS 350/ PX 20
Separator	PMS 305

 PX30 Series

Maximum capacity	30 ton/day
Installed power	52,26 Kw
Conveyor Belt	PMS / B 23
Washing Machine	PMS / Y 23
Crusher	PMS / K 325
Malaxer	PMS / VX 1800
Decanter	PMS 350/ PX 30
Separator	PMS 305

 PX50 Series

Maximum capacity	50 ton/day
Installed power	71,47 Kw
Conveyor Belt	PMS / B 479
Washing Machine	PMS / Y 479
Crusher	PMS / K 325
Malaxer	PMS / MM 4800
Decanter	PMS 470/ PX 50
Separator	PMS 405

 PX70 Series

Maximum capacity	70 ton/day
Installed power	86,17 Kw
Conveyor Belt	PMS / B 479
Washing Machine	PMS / Y 479
Crusher	PMS / K 430
Malaxer	PMS / MM 6800
Decanter	PMS 470/ PX 70
Separator	PMS 505

 PX90 Series

Maximum capacity	90 ton/day
Installed power	103,11 Kw
Conveyor Belt	PMS / B 479
Washing Machine	PMS / Y 479
Crusher	PMS / K 440
Malaxer	PMS / MM 7800
Decanter	PMS 470/ PX 90
Separator	PMS 505

 PX160 Series

Maximum capacity	160 ton/day
Installed power	163,195 Kw
Conveyor Belt	PMS / B 1625
Washing Machine	PMS / Y 1625
Crusher	PMS / K 460
Malaxer	PMS / MM 15000
Decanter	PMS 570/ PX 160
Separator	PMS 505 + PMS 505

 PX250 Series

Maximum capacity	250 ton/day
Installed power	180,195 Kw
Conveyor Belt	PMS / B 1625
Washing Machine	PMS / Y 1625
Crusher	PMS / K 460
Malaxer	PMS / MM 20000
Decanter	PMS 570/ PX 250
Separator	PMS 505 + PMS 505



	Capacity (LT)	Higher Power (Kw)	Higher (mm)
PMS/ VX1350	3x450	5,5	297x247x140
PMS/ VX1800	4x450	6,6	355x247x140
PMS/ MM4800	4x800	5,5	367x247x196
PMS/ MM6800	6x800	7,7	518x247x196
PMS/ MM7800	7x800	8,8	367x247x196
PMS/ MM15000	10x1500	16,1	883x385x199
PMS/ MM20000	10x2000	23,1	1035x395x201

Malaxer described as modular malaxer, corresponding completely to its word meaning, is a constituted system by gathering of malaxer sections independently from each other.

Visual quality as well as performance and operational easiness features in the malaxer design. With its new face, malaxer get a new appearance. Thanks to malaxer connecting methods convenience to modularity, flexibility is provided for placing malaxer feeding and paste outlets. Due to this flexibility, equipment suitable for operational area is provided instead of operational area suitable for equipment.

A great efficiency of the heating system and helix flights is available in the malaxing process time and malaxing process quality of the olive paste.

The heating system, feeding water for each section in equal temperatures at the same time, provides the sections temperature being equal and staying at this value. And this means that malaxing process is at the same and demanded temperatures values for olive paste in different section.

Since any point that paste touches can be heated by heating jackets, generation of temperature differences are prevented in the paste.

- Due to special design of helix flights in the malaxer sections, olive paste is provided with a homogeneous state realizing an effective mixing.
- Through with glass cover, visibility of processed product is targeted. Having been designed according to ergonomic visible angle, cover angle provides an easy and comfortable monitoring facility.
- Led illumination in the glass cover enables vision while resistance system provide a clear vision by hampering vaporization.
- Sight glasses have been placed in the entry line of the product for each section, being able to see and gaining control of the product is aimed.
- Feeding olive paste to malaxer sections is controlled by butterfly valves manufactured from stainless steel material. As to be controlled with pneumatic actuator system, valves are designed. (Option)
- Additionally, heating probe for controlling paste temperature by pressure of the pump on the discharge line and level sensors for preventing the pump from unnecessary working are available.



	Bowl Diameter (mm)	Motor Power (Kw)	Driver	Weight (Kg)
PMS350 / PX20	354	11	VFD	1562
PMS350 / PX30	354	15	VFD	1762
PMS470 / PX50	470	18,5	VFD	2129
PMS470 / PX70	470	22	VFD	2500
PMS470 / PX90	470	30	VFD	3500
PMS570 / PX160	570	45	VFD	5500
PMS570 / PX250	570	55	VFD	7245

Decaners, are placed in the center of modern olive oil line. Used for separating oil, olive pomace and water at 3 phase system; oil and olive pomace at 2 phase system from olive paste. Decaners are suitable for 2 phases, 3 phases and cold extraction processes. 2 and 3 phase decaners are designed with Polat's experience over 40 years.

Features of Polat Decaners

- Cycloidal gearbox for higher strength and reliability
- Bowl and conveyor geometry developed for maximum productivity
- Maximum performance and wear protection thanks to special conveyor feed zone
- High quality stainless steel material in conformity with food law
- Special coating application for maximum wear protection
- Longer service intervals and lower maintenance costs
- Adjustable differential speed with changeable pulleys



	Bowl diameter (mm)	Motor Power (Kw)	Bowl Speed (rpm)	Weight (Kg)
PMS 305	305	3	7500	358
PMS 405	405	5,5	6500	740
PMS 505	505	11	5500	1100

Separators are the last station of olive oil process. They polish the olive oil by separating the remaining water and slim residues in the olive oil which is separated in decanter.

- Bowl manufactured specially for higher strength and reliability
- Bowl and disc geometry developed for maximum separation productivity
- Minimum oil loss with hydraulic discharge system
- High quality stainless steel material in conformity with food law
- Continuous process facility
- Long lifetime with easy installation and operating feature



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