



Full Modular Olive Oil Processing Unit





According to us it is possible...

We give the same answer for 45 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...

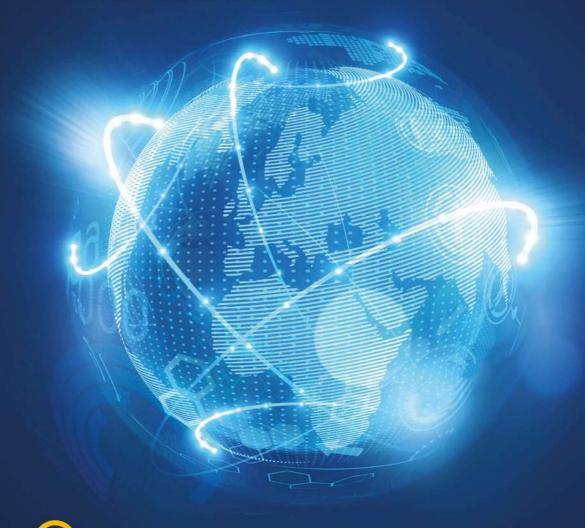
Let's say, some physical negativities such as area narrowness make a trouble for your new machine that you want to buy.

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 44 countries**

Group companies in 3 countries



7. Belgium

8. Slovakia

Dealer & Distributor & Agency Germany Spain Belgium Ukraine Russia China Argentina

23. Palestine

24. Egypt

15. Nicaragua

16. Switzerland

31. Azerbaijan

32-India

39. Ethiopia

40. Tatarstan

41. Uzbekistan

42· Kosovo

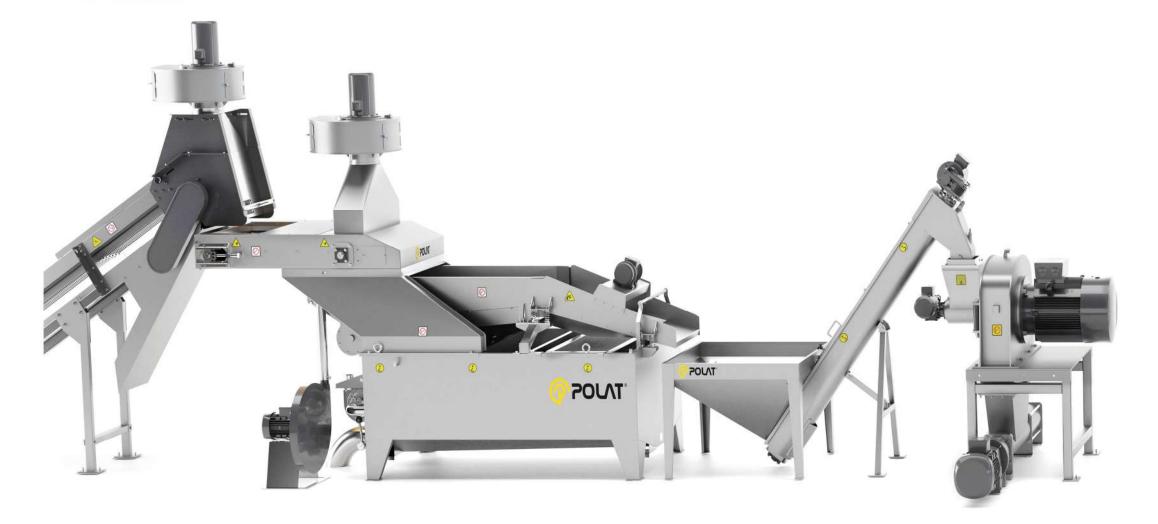
43. Poland

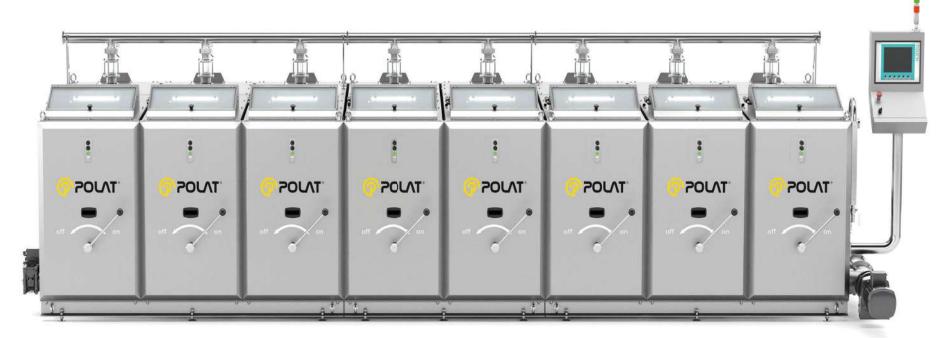
44. Malaysia

Full Modular Olive Oil Processing Unit



PXZ 100 series











Capacity
Installed power
Conveyor Belt
Washing Machine
Crusher
Malaxer
Decanter

40 ton/day

PMS / B 479

PMS / Y 479

PMS / K 352

PMS 405

PMS / PM 4700

PMS 350 / PXZ 40

PY PXZ60 Series

Capacity 60 ton/day
Installed power 109 Kw
Conveyor Belt PMS / B 479
Washing Machine PMS / Y 479
Crusher PMS / K 430
Malaxer PMS / PM 6700
Decanter PMS 470 / PXZ 60
Separator PMS 405

PXZ80 Series

Capacity 80 ton/day
Installed power 120 Kw
Conveyor Belt PMS / B 479
Washing Machine PMS / Y 479
Crusher PMS / K 440
Malaxer PMS / PM 7700
Decanter PMS 470 / PXZ 80
Separator PMS 505



acity 100 ton/day
alled power 140 Kw
veyor Belt PMS / B 479
her PMS / Y 479
sher PMS / K 450
exer PMS / PM 8700
enter PMS 470 / PXZ 100
erator PMS 505

PXZ160 Ser

Capacity 160 ton/day
Installed power 195 Kw
Conveyor Belt PMS / B 1225
Washer PMS / Y 1225
Crusher PMS / K 460
Malaxer PMS / MM 8000
Decanter PMS 570 / PXZ 160
Separator 2 X PMS 505

PXZ250 Ser

Capacity 250 ton/day Installed power 280 Kw
Conveyor Belt PMS / B 1225
Washer PMS / Y 1225
Crusher PMS / K 460
Malaxer PMS / MX 18000
Decanter PMS 570 / PXZ 250
Separator 2 X PMS 505



Capacity Installed power Conveyor Belt Washer Crusher Malaxer Decanter

350 ton/day 315 Kw PMS / B 1225 PMS / Y 1225 PMS / K 460 PMS / MX 2400 PMS 570 / PXZ 3 X PMS 505

Full Modular Malaxer



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.

- 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 vaporazation.
- 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.

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.

- 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.





	(mm)	(kW)	Dilvei	(Kg)
PMS 350 / PXZ 40	350	22 + 15	VFD	1750
PMS 470 / PXZ 60	470	30 + 15	VFD	2700
PMS 470 / PXZ 80	470	30 + 15	VFD	2850
PMS 470 / PXZ 100	470	37 + 18,5	VFD	3200
PMS 570 / PXZ 160	570	55 + 22	VFD	5800
PMS 570 / PXZ 250	570	55 + 22	VFD	6200
PMS 570 / PXZ 500	570	75 + 22	VFD	7450

Rowl Diameter Motor Power Driver Weight

Decanters, 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. Decanters are suitable for 2 phases, 3 phases and cold extraction processes. 2 and 3 phase decanters are designed with Polat's experience over 40 years.

Features of Polat Decanters

- · 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





feed zone		(A)U.	POUT
	PMS 47011	OXZ 100	
	1	300	
	~		

1	Bowl Diameter (mm)	Motor Power (kW)	Bowl Speed (rpm)	Weight (Kg)
PMS 405	405	5,5	6500	702
PMS 405 (Automat	tic) 405	5,5	6500	702
PMS 505	505	11	5500	1230
PMS 505 (Automa	tic) 505	11	5500	1230

beparators are the last station of office 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





