Application Areas

Environment
Polat decanters are used in thickening and dewatering processes in Urban Waste Water, Drinking Water and Industrial Treatment Facilities. Dewatering of the sludge produced in urban and industrial applications significantly reduces the costs of sludge disposal without harming the environment.

Mining
POLAT MAKINAS quality equipment provides the best solution for many applications increasing productivity and efficiency producing the final product to the highest quality. Polat has cutting edge technology to use industrial applications such as copper and bauxite mineral mining, coal tailings and tunnel works sludge control.

Oil
POLAT MAKINAS detailed and intensive engineering supported by a comprehensive R and D programme ensure that the equipment is built to the very highest quality and environmental standards in demanding area of applications, such as refiners oil, as well the Polat decanter centrifuges and separators give an automated and reliable process solution which can be suitable to continue the operation with excellent control.

Food
Food producers need machines to meet their expectations of qualities and comply with food equipment legislation. Polat’s horizontal and vertical centrifuges (decanters and separators) are used especially in food and drink applications such as fruit juice and drinks, vegetable oils, alcoholic beverages, starch and yeast. In the food industry, where hygiene is the initial and the most important Polat’s products give the ultimate security and peace of mind.

Industrial
The main purpose of solids liquids separation in industry is to recycle valuable raw materials from productions waste with the lowest investment and commissioning costs and to remove non-renewable waste without harming the environment. In this context at rendering facilities, sugar refiners, the chemical industry, dewatering of animal fertilizers, maritime waste and biodiesel applications, the best outcome is achievable with Polat decanters.

Advantages of using Polat decanters and separator machinery in the oil industry:
- Special design complying with general fire and explosion protection standards (ATEX Certified)
- Maximum protection against extremes of temperature
- Extra protection against corrosive and hazardous materials
- Maximum operator and environmental safety standards compliance
- Ensuring compliance with guaranteed performance specifications
- Fully automated control systems for unmanned automation
- Remotely controllable with PLC and SCADA
- Cleaner environment, low space requirement, low odour, low aerosol emissions and low life cycle costs
In 5 continents
Exportation to 35 countries

Group companies in 3 countries
Dealership, distributorship and agency in 10 countries.

Group Companies
Greece
Morocco
Italy

Dealer & Distributor & Agency
Tunisia
Jordan (Middle East)
Algeria
Belgium
Slovakia
Russia
Ukraine
Germany
United Kingdom
Spain

Exported Countries
1- U.S.A.
2- Saudi Arabia
3- Greece
4- Italy
5- Tunisia
6- Morocco
7- Belgium
8- Slovakia
9- Kazakhstan
10- Albania
11- Libya
12- Sudan
13- Romania
14- Russia
15- Nicaragua
16- Switzerland
17- Lebanon
18- Palestine
19- Algeria
20- Georgia
21- South Africa
22- Egypt
23- Tunisia
24- Jordan
25- TRNC
26- Syria
27- Iraq
28- Iran
29- Australia
30- United Kingdom
31- Azerbaijan
32- India
33- Germany
34- Spain
35- Sweden
Our S series centrifuge decanters are used in the environment, mining, food and industrial sectors. They are designed as a double drive system with VFD. The fully adjustable differential speed of the scroll and adjustable pool depth allow for optimum control of the final product quality.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ø Bowl (mm)</th>
<th>L/D</th>
<th>Maximum Blow Speed (rpm)</th>
<th>Main Motor (kW)</th>
<th>Scroll Drive (kW)</th>
<th>Drive System</th>
<th>Dimensions (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S200</td>
<td>200</td>
<td>4.23</td>
<td>Max. 3300</td>
<td>5.5</td>
<td>2.2</td>
<td>VFD</td>
<td>535×2000×680</td>
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<tr>
<td>S300</td>
<td>300</td>
<td>4.18</td>
<td>Max. 4500</td>
<td>15 - 18.5</td>
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<td>VFD</td>
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<tr>
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<td>350</td>
<td>4.28</td>
<td>Max. 4200</td>
<td>22 - 30</td>
<td>5.3 - 7.5</td>
<td>VFD</td>
<td>1068×3250×1100</td>
<td>1830</td>
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<td>S430</td>
<td>430</td>
<td>4.27</td>
<td>Max. 3500</td>
<td>37 - 45</td>
<td>7.5 - 11</td>
<td>VFD</td>
<td>1340×3890×1350</td>
<td>3500</td>
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<td>470</td>
<td>4.20</td>
<td>Max. 3300</td>
<td>45 - 55</td>
<td>7.5 - 15</td>
<td>VFD</td>
<td>1340×4070×1450</td>
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<tr>
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<td>530</td>
<td>4.20</td>
<td>Max. 3000</td>
<td>55 - 75</td>
<td>11 - 15</td>
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<td>1483×4690×1594</td>
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<td>75 - 90</td>
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<td>Max. 2300</td>
<td>90 - 132</td>
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<tr>
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<td>Max. 2100</td>
<td>132 - 200</td>
<td>37 - 55</td>
<td>VFD</td>
<td>2050×6965×2144</td>
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* Measurements may vary depending on configuration.