

SMARTWAVE & OPT
INTELLIGENT LAUNDRY FOR EVERY CYCLE



**INDUSTRIAL
BY DESIGN**



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IPSO®'s advanced technologies save energy at every stage of the laundry cycle

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SmartWAVE, our patented and precision-engineered **Water Absorption Verification** technology, casts off the industry standard of using linen weight to determine the amount of water used in a laundry cycle. By focusing instead on water absorption levels, SmartWAVE can result in water savings of up to 32 percent.

OPT, over-dry prevention technology, is engineered to decrease cycle times and reduce utility costs. With OPT, your tumblers turn off at the exact moment your linens are dry — eliminating over-drying and increasing productivity.

IPSO'S NEWEST ENERGY SAVING TECHNOLOGY BASED ON WATER ABSORPTION VERIFICATION

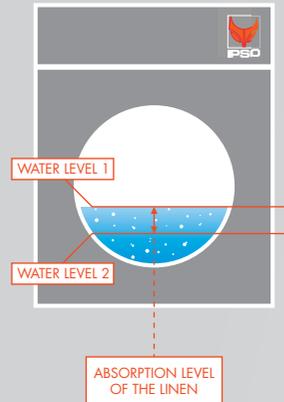
Today's laundry consists of all kinds of different fabrics which means absorption levels will vary greatly and will require different water levels for optimal cleaning. Although the water levels in a wash program can be adjusted, this is generally based on a standard type of wash load and does not take into account the absorption level. It is nearly impossible to manually determine the absorption level of your linens.

Weighing the linen, on the other hand, is impractical and labor-intensive to do for every wash cycle. It is also very inaccurate, even if it is done inside the machine. For example, because it is based on weight, bulky but light linen, such as duvets, will never take enough water to give a good wash result, whereas heavy rubber mats always would take too much water.



SMARTWAVE TAKES YOUR WASH CYCLE TO THE NEXT LEVEL OF EFFICIENCY

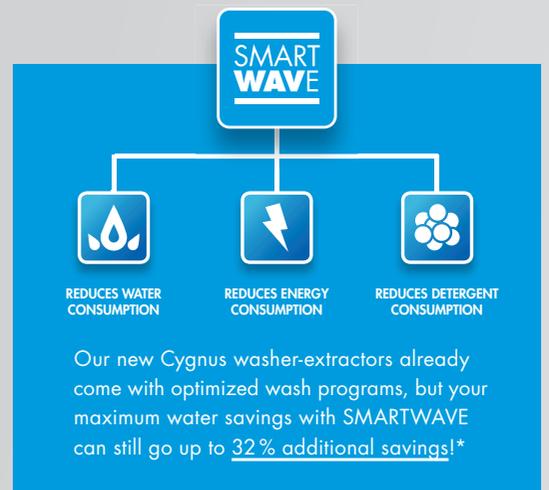
SmartWAVE, IPSO's patented leading-edge precision-engineered technology, automatically determines the absorption ability of the linen at the start of the cycle and consequently adjusts the water levels in every segment of the wash program accordingly. This feature is part of our intuitive Cygnus controls and comes standard on the hard-mount and soft-mount washer-extractors.



SmartWAVE leads to a huge saving of water when linen with a low absorption level needs to be processed or when only a few items need to be washed.

Thanks to SmartWAVE, optimal water consumption is obtained in accordance with the linens. SmartWAVE not only adjusts the water

level but also adjusts the automatic detergent level, so that the balance between soap and water will always be perfect for your linen load and a perfect wash quality is achieved.



*Savings may vary depending on type of linen and wash program.



More than 75% of commercial laundry managers and distributors believe OPL operations over-dry by more than eight minutes. So we created OPTimum Controls with OPT (Over-dry Prevention Technology). During the drying cycle, specialized sensors within the lifters, which are connected to our revolutionary rotary transfer switch, determine the exact moment your linens are dry and discontinues the drying process. OPTimum provides pinpoint accuracy throughout the entire load, assuring less energy is used, utility costs are reduced, and productivity is increased. And because linens are no longer over-drying, the lifespan is improved. It's just part of our commitment to minimizing overall operating costs through cutting-edge technology.

HOW IT WORKS

The wetter a load is, the more conductive it is. The conductivity (wetness) of the load is measured between maintenance-free, electrically isolated lifters and the cylinder wall. As the load dries, conductivity decreases. The conductivity signal of the load is transferred from the rotating cylinder to a rotary transfer switch located in the center of the cylinder bulkhead. The switch, also maintenance-free, then transfers the signal to stationary wires. The wires transfer the signal to the control, which reads the moisture level of the load. Prior to beginning the load, a desired moisture content has been set by the operator. When that preset designation has been attained, the control automatically stops the dryer, achieving the ideal amount of moisture removal.

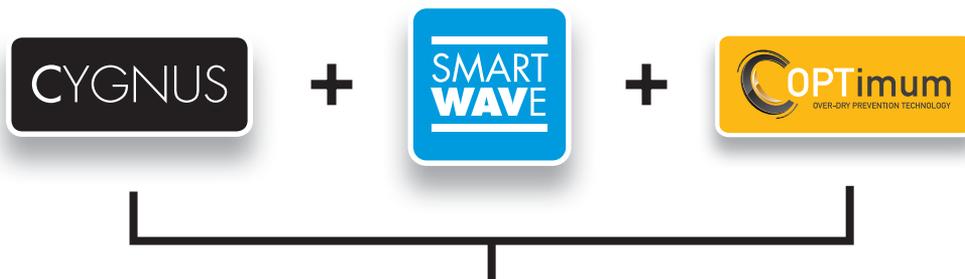


Is your laundry process consuming too much **water** and **energy** ?

Do you want to **reduce** your impact on the **environment** ?

Do you want to **reduce** your **utility bills** ?

Are you constantly looking to **increase** the **productivity** in your laundry ?



MINIMUM CONSUMPTION,
MAXIMUM PERFORMANCE
CYGNUS, SMART**WAVE** & **OPTIMUM**



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