

FILTRAGLASS and HONY GLASS put nature and sustainability first

Now powering HONY GLASS CNC machines, FILTRAGLASS' DP.165.F system is a veritable beacon of sustainable water management. It recycles water and reduces consumption up to 85 percent, all while ensuring optimal performance, lower maintenance and a cleaner environment - a true expression of the industry's potential for improved environmental stewardship.

The international consolidation of Filtraglass is more of a reality than ever before. With over 20 years of experience, the company's water filtration systems for the glass industry have been exported to companies in

different countries to help them achieve sustainable water consumption and efficient production. In this regard, Filtraglass' latest project exemplifies how the industry can become a tool for environmental preservation.



The company travelled to Taiwan to collaborate with Hony Glass, a leading global glass manufacturer, where Filtraglass' DP.165.F system has been installed to power two horizontal CNC (Computer Numerical Control) machines. Needless to say, the installation itself also allowed the Filtraglass team to enjoy the natural landscape of exceptional beauty.

Here system installation is of great importance for numerous reasons - besides the main one, which is that it ensures optimal water quality for the CNC machine heads. A major benefit is also the conservation of this natural resource. The system collects water used in manufacturing processes, which contains solid glass particles, then filters it to return it to the supply circuit. Typically, a recycling system like the one mentioned provides up to an 85 percent reduction in water consumption.

OTHER BENEFITS

That reduction brings with it other advantages that not only benefit companies that choose to invest in recycling processes but also the natural world itself through environmental preservation - an issue that now, more than ever, requires everyone's commitment.

- Reduced maintenance and increased productivity: Using this recycling system ensures that machines operate with clean water - similar in quality to that of the mains supply and with no glass dust residues. Consequently, maintenance tasks are significantly reduced, along with costs and time dedicated to machine maintenance. For instance, time was previously spent emptying tanks to remove residues; with the Filtraglass system, this task is no longer needed and production line pauses



are avoided. Ultimately, machine lifespan is extended, productivity enhanced, and there is a decrease in maintenance costs.

- Sustainable and environmentally-friendly: It's no secret that the planet is facing challenges, with both individuals and businesses being called upon to contribute to its care. Therefore, systems that work towards this goal deserve recognition. Water reuse promotes reduced environmental pollution by converting glass dust into a solid, dry, removable and recyclable waste - thereby preventing its disposal into the environment.
- Reduced coolant consumption: Glass processing sometimes requires coolant to improve cutting tasks and prevent diamond grinding tools from overheating. Without a recycling system, water lifespan decreases, which calls for more frequent coolant replacement.

In conclusion, this system promotes more efficient and

sustainable production, which is reflected in the final product: residue-free, transparent glass.

FILTRAGLASS SYSTEM IN CNC MACHINES

Adapting the system to CNC machine heads, as has been carried out at Hony Glass, allows for the replacement of tap water with extra-clean water. The process only requires the installation of a pneumatic solenoid valve system, an additional tank, and a pressure group - although the latter is optional. Therefore, the benefits of the system can be leveraged with this complementary installation, in which Filtraglass has extensive experience.



Filtraglass SL

FILTRAGLASS
WATER TREATMENTS FOR GRINDING TECHNOLOGY

Carrer Riu Fluvià, 19, 17469,
Vilamallà, Girona - Spain
Tel.: +34-972-505815
Fax: +34-972-505815
E-mail: info@filtraglass.com
www.filtraglass.com

HONY®

Hony Glass Technology
No. 141 Dingping Rd., Ruifang
Industrial Park, Ruifang District,
New Taipei City, Taiwan
Tel.: +886-2-24971101
www.honyglass.com/