

NEPTUN celebrates 10 successful years of QUICK model

THE BEGINNING OF THE STORY

Taking advantage of previous experience in vertical processing, Neptun launched the QUICK project in 2014 - an innovative solution for drilling and milling with the aim of combining maximum productivity and precision performance with reliability, low maintenance costs and ease of use. The Quick line was

born, consisting of the QUICKDRILL drilling machine and QUICK-MILL milling machine - ideal for the processing of doors, shower cubicles, refrigerated counters, balconies, shelves, wall partitions etc. A peculiar characteristic of the line was its flexi-

bility. The two machines could be purchased at separate times. Here, work direction was at the discretion of the operator and processing could either be in line or stand alone mode with the two NCs processing different production batches at the same

time. Another unique feature was the milling with the glass still, with suction cup always positioned close to the work area. Compared to other vertical NCs that moved the glass and had suction cups in a fixed position, this solution allowed optimum speed and quality of work - greatly reducing the risk of glass breakage.



This year NEPTUN proudly announces the launch of its third QUICK vertical numerical control series for drilling and milling/grinding glass. The QUICKDRILL-T10 and QUICK2-T10 models jointly mark the pinnacle of a technological journey that began ten years ago - adding innovative solutions, patents and customizations requested by customers who are after increasingly reliable, high-performance components and materials.

SHOWER DOOR PROCESSED IN JUST OVER THREE MINUTES

This singular flexibility and productivity led to immediate worldwide success, so much so that already in 2018 the second QUICKLINE series was released - enriched by the QUICK-DRILL T8. It exhibited performance functions that were even more elevated - all coupled with the innovative Quick 2-T8, which brought the drilling and milling operations together.



SERIES 2 SALES SUCCESS DRIVES EXPANSION OF THE RANGE

The second series therefore expanded upon range while rendering the strengths of the first series more robust, adding certain functions required by the evolution of the market and extending the possibilities for inter-connecting control unit to company ERP from an INDUSTRY 4.0 perspective. No surprise then that these models quickly established themselves on the market for being super fast, accurate vertical NCs for drilling and milling. Their strong points include the following:

- Automatic tool change in a maximum of eight seconds thanks to the 8+8 position rotary magazines mounted directly above the spindles
- Simultaneous movement of glass and spindle axes at 25 mtr/min, with positioning tolerance of 0.15 mm constant over time guaranteed by magnetic linear encoders.
- Drilling speed up to 4 mm per second thanks to the patented DCS (Drive Control System) which optimizes performance based on the quality of the tool - even allowing inex-





perienced operators to maximize results.

- Milling-grinding operation with glass still, automatic measuring and dressing of tools.
- Possibility of complete integration with company management and Quickservice remote assistance.

Over successive years the range was completed with the addition of the entry-level QUICK-MILL 100 model and the QUICK 280-45 jumbo models for architectural glass. This last one can be installed stand alone or in line mode with QuicMill or vertical washer with a working capacity of up to 2.8 m in height and 6.0 mm in length. At the end of 2023 Neptun had more than machines installed both in line and

single units. Now the company expects to celebrate 250 units in sales by year-end. QUICK models of any type are present in 43 countries in Europe, USA and Japan, as well as in Africa, South America and Asia. There are even QUICK machines working in places you wouldn't expect such as Libya, Iraq, Iran, Kenya, Ivory Coast and China. Indeed the vast range, from the entry level model to the most performing and automated, makes the machines attractive to both large and small companies.

2024: ANOTHER LEAP FORWARD FOR QUICK-T10

This year Neptun announced the launch of

the QUICK series 3 range.

True to form, this wasn't either a simple restyling but a new machine keeping all the strengths of those which preceded it - enhancing them and adding new features and even more reliable components. The focus of engineering for new model was the architectural sector, as well as for glazing paddle courts. Here the dimensions and weights of the glass are very demanding and the production cycles are tight. The new series stands out for its more robust modular structure - suitable for 24/7 management of heavy sheets compared to glass doors, shower enclosures and glass for interiors or household appliances.

Besides the reinforced, modular structure the following features stand out:

- Rotary magazines mounted on spindles with 10+10 positions for tool changes in less than eight seconds;
- New more powerful liquid-cooled spindle with ISO 40 cones for uncompromising performance heavy glass;
- Wider working area and workable minimums lower than those of the previous series;
- Greater use of stainless steel and anodized aluminum to eliminate any risk of rust over time;
- Power panel inserted in the machine body to reduce floor space.
- Software with simpli-



fied interface for rapid programming -even remotely- and graphically clearer diagnostics to facilitate complete maintenance.

The T10 series continues in the wake of previous models and will be available in versions with workable heights of 170, 220 and 280 cm. Here the target is high productivity glass factories with high automation or for heavy architectural processing. The T8 series will remain in production - destined for companies producing doors, interior glass, automotive and industrial refrigerators, i.e. all applications with smaller glass dimensions. In sum, the expectation is great and the results are evident from the number of orders already received - even before the official launch.



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