

New SORALUCE Performance Line. Born Reliable. Born Precise.

- New SORALUCE Performance Line, born to provide the highest reliability and precision along with an outstanding flexibility.
- One structure, three architectures, endless solutions adapted to your machining requirements.
- Presentation of the New Performance Line Onsite during Soraluce Summit 2023 at the new Soraluce facilities (New Opening) from June 13 to 15.

Bergara, March 17, 2023 - Soraluce presents the New Performance Line, a totally new product line. As part of our offer of premium solutions, the new Performance Line provides the best possible ratios of reliability and precision with exceptional flexibility for medium-large workpieces.

A common structure, three different types of architectures and endless solutions to adapt to the needs of each of our customers in the most competitive way possible.

Highly efficient modular structure

Performance Line is a new Soraluce line with three families of machines with three different architectures, all based on a common modular structure.

Each of these families has a number of models and configurations, producing machines that can be configured for a number of work environments. These are 3 families [sharing the main machine features](#), such as the column, saddle, ram and heads, built on the principle of [modular design](#), to provide reliability, easier service and flexibility to devise a solution for the customer.

The Performance Line has the same design principles as Soraluce's heavy-duty machine range: [Soraluce Winning Combination](#), providing the most rigid and

dynamic solution available on the market, with a combination of a cast iron structure, linear guides and active and passive damping technology.

Once more we have applied all the experience we obtained from our larger models, and chose the solution that would give us more precision and reliability. [Direct drive inline motor](#) driving system with high power and torque in the ram, equipped with a spindle motor with a capacity of 32 kW, to a current maximum of 7000 rpm. The motor is water-cooled for better thermal stability, to produce best precision machining results.

The Performance Line offers a new choice of [milling heads](#). High performance automatic-rotation mechanical heads, with high rpm and high precision. Heads are water-cooled for maximum head stability and precision results.

It can include Universal Heads with different indexing: $2.5^{\circ} \times 2.5^{\circ} / 1^{\circ} \times 2.5^{\circ} / 0.001^{\circ} \times 0.001^{\circ}$, compact-design Orthogonal Heads indexing $1^{\circ} \times 1^{\circ}$ with maximum utilization of machine travel.

Also, for the multitasking versions with milling, turning and grinding capabilities, we design and manufacture in-house the high-torque multitasking heads.

Additionally, we integrate as well Vertical high-speed head, Vertical high speed continuous positioning head (torque motor, C-axis) and Universal automatic indexing head with electrospindle attachment, for 4 or 5 axes continuous machining.

Performance Line include [24" touch-sensitive screens](#) and a larger work space to boost ergonomics and interactivity of users with the machine. In addition to the standard 640, we can also fit the new Heidenhain TNC7 with the new interface, to make the control system easier to use, and boost interactivity with the user.

The range features our [Smart HMI](#), a smart intuitive interface enabling us to manage the work area running the NC program in parallel with an area for the development of apps that allow us to connect the machine to the customer's ERP, or monitoring energy consumption, for example.

3 Machine families to meet market demands

New SORALUCE TA, Bed type milling machine

The basis of the New Performance Line has been a machine already in our product portfolio: the TA-A bed type milling machine.

We have boosted the efficiency of this range and redesigned to give the machines some improved features such as new inline spindle driving system, higher head revolutions, new water-cooled head options, damping pads, grease lubrication and greater precision.

TA is a milling machine with greater capacities than a machining center in terms of volume of work, power output, torque, chip removal and ergonomics. There are a number of versions or configurations. There are different versions with square or round tables that can also be multitasking.

The machine has standard peripheral guarding with easy front and back access to the work area. It includes a flexible control panel arm, allowing CNC control at the front or rear-side of the machine with best view of the tool in any machining operation.

The machine is floor-fitted, with no need for any specific foundations.

New SORALUCE FA, Floor Type Boring Mill

Whenever a higher longitudinal travel is required, then floor type architecture is a great option.

A machine concept, splendidly versatile with multiple configurations available, and working area tailor-made to the customer's needs: maximization of productivity.

It can be configured with floor plate, rotary table or rotary-travelling table, with one or more multitasking tables (milling and turning), with a portable rotary table which we can position vertically with a tailstock or horizontally, option of duplex machines - machining with two spindles simultaneously, or with a floor plate at user height for better ergonomics.

Floor type milling machine ensures minimum footprint in the shopfloor with a compact design and allows for pendulum working with a number of work areas.

The new FA is designed in such a way that it can be set up either with a pit or at floor level, and the floor plate or work table can even be raised to represent the loading/unloading ergonomics of fixed-bed machines.

New SORALUCE SA, Fixed Table Travelling Column Milling Machine

The new SA is an excellent alternative with full splash guarding travelling column with integrated chip removal systems to keep workshop spaces clean and swarf-free.

SA has an unique machine architecture: the moving column and the table share the same base. The work area is fully guarded, with complete front access to the workpiece, workpiece at user height, CNC on sliding guide in front of the machine, and integrated swarf collection system.

It also have different work area versions. With a fixed table, rotary milling or milling/turning table of Ø 1000 mm on one side of the table, or two milling or milling/turning tables at either end of the machine.

Like the FA model, it can operate in pendulum mode.

This range is floor-fitted, and does not require any foundation.

More info about Performance Line at:
<https://portal.soraluce.com/performance-line>

About Soraluce

With a wealth of experience based on more than 60 years of history and inspired by innovation, Soraluce is moving the machine tool sector forward with innovative pioneer engineering solutions that have made it a benchmark within the sector.

Soraluce's success is based on excellent quality, the best possible service, in-house state-of-the-art technology, its technological capacity to customize each product in accordance with the individual requirements of the customer, and a fully international outlook. Soraluce produces innovative solutions with a commitment to the technological progress of its customers, addressing the challenges of the most demanding machining work, and establishing new standards.

Soraluce offers an extensive range of milling machines, boring machines and vertical lathes, multitasking solutions and automated lines and systems, with a professional advisory service in machining engineering and a highly experienced technical team to assess the production and machining processes of our customers, and provide solutions to optimize them in accordance with the parameters of quality, efficiency and costs demanded by the investor.

Innovation is Soraluce's cutting edge, and it has pioneered many of the technologies driving the machine tool sector, such as, for example, the DAS™ system (Dynamic Active Stabilizer), the Modular Quill system and the Ram Balance (a system to offset ram fall), all of which have been patented.

This European brand has a wealth of experience and has sold over 3,000 machines, almost half of them in Germany, an extremely demanding market. It has also been observed over the years that 80% of customers have returned to place their trust in its products.

Soraluce forms part of Danobatgroup, the machine tool division of the Mondragon Corporation, one of Europe's largest business groups. It has Excellence Centers in Germany, Italy, the USA, China and the UK, and its own R+D center staffed by 120 engineers and 29 doctors, a facility that goes back more than 30 years. Danobatgroup provides one of the market's most comprehensive and competitive multi-technology offers. With a headcount of 1,300 employees and a turnover of 260 million euros, it has a clear focus on innovation, investing approximately 8% of the revenue earned in R+D+i.