

VLB GROUP
SUCCESS STORIE



The key for maximum productivity.

Located in Vila Nova de Famalicão (Portugal), VLB focuses on developing innovative solutions for the metal-mechanic industry, on a par with the best in the world.

It supplies the global market with exceptional machinery and tools for tube and section bending, forming and stamping, which range from simple manual machines to fully electric and complex CNC systems.

VLB designs, manufactures, sells and offers a variety of products for a range of leading industrial sectors, including the car, furniture, railways, aviation, civil construction, capital goods industries.

VLB has opted to expand its machinery with a SORALUCE FR 12000 Multitasking unit to machine mechanically-welded workpieces and structures to be fitted on its machines.

It is a multitasking and completely versatile solution aimed at maximising productivity, capable of performing milling, turning and grinding operations in a single set-up for multiple components of different

sizes and shapes with efficiency and precision. The machine will allow VLB to achieve the highest performance parameters in the machining of large and highly technically complex workpieces, which will allow different shapes and sizes to be machined.

It is a large capacity machine both in terms of the workpiece size and of the type of operations to be carried out. With a longitudinal traverse of 12000 mm, vertical of 4500 mm and cross of 1600 mm, the machine has several workstations, one of which is for milling operations with a rotary-travelling table of 3000 x 3000 mm W: 1500 mm, able to process workpieces of up to 60 Tn and a Ø 1600 mm turning table W: 2000 mm on floor plate.

The SORALUCE FR multitasking machine means that different machining processes, including turning, milling and grinding, can be performed in a single set-up for multiple components of different sizes and shapes, efficiently and with precision. It therefore has different milling (orthogonal and fixed horizontal) and turning heads, which allows all the machining to be completed.

The machine modular design offers remarkable versatility. It can be fitted with a wide range of optional accessories to adapt it to the different machining needs with great efficiency and precision.

The machine includes full fairing that offers great accessibility with full frontal and upper access to the work area, while also performing the coolant and swarf collection function. It is easy to operate, safe and clean.

The machine also includes the latest technologies developed by SORALUCE: such as the DAS (Dynamics Active Stabiliser) system, pending patent. The device actively increases the dynamic rigidity of the machine,

thus raising the cutting capacity by up to 300% thanks to the reduction of chatter during the machining process. The system increases the cutting capacity in general, improves surface quality and reduces the risk of tool breakages, thus expanding the lifespan of the tool and machine in extreme conditions. The DAS system was awarded the Quality Innovation of the Year 2015 and Best of Industry 2016.



“The ability to handle large workpieces in a single mooring guarantees the process and significantly cuts costs”.

Carlos Daniel
Production Department
VLB GROUP