SETTING NEW STANDARDS in milling, boring and turning
“The development of your business is our brand’s promise. A promise made to every client.

With an experience based on our 55 years of history and inspired by innovation, SORALUCE leads the future of our sector.

We are going to guide our clients towards a new era, an era in which we define innovation together, we create experiences and live up to our responsibility.

An era in which we create value for our clients, setting new standards in milling, boring and turning”.

Rafael Idigoras
Managing Director at SORALUCE S.Coop.
SORALUCE, A STRONG AND SOLID BRAND

WORLDWIDE LEADER IN MILLING, BORING AND TURNING TECHNOLOGIES

Our solutions improve the efficiency, productivity and quality of our customers’ operations while taking care of every aspect within the process.

SORALUCE’s success is based on excellent quality, a stellar service, its own cutting-edge and differentiated technology and a marked international character.

A brand distinguished by its great reliability and high performance, SORALUCE offers its customers solutions geared to productivity and efficiency.

More than 2,500 milling-boring machines and vertical turning centres installed around the world are proof of its commitment to its customers’ results.
DANOBATGROUP, LEADER IN MACHINE TOOLS

The most complete, multitechnological and solid offer in the market

SORALUCE forms part of DANOBATGROUP, the Machine Tool division of MONDRAGON Corporation, one of the most important European holding companies.

This gives us an international dimension and a financial solvency that enables us to continue responding to the challenges that the future brings us.

› 17 top level manufacturing plants in Spain, Germany, UK and USA
› Financial solidity, with a turnover of 269 M € in 2015
› Employment: 1,300 people
› Investment in R+D+i: 8% of total turnover
› Own research centre
› Reference in aerospace, railways, automotive, energy generation and capital goods

Turnover

- 190
- 216
- 209
- 218
- 246
- 269

2010 2011 2012 2013 2014 2015
Our customer-focused vocation leads us to develop the most innovative solutions committed to the technological progress of our clients, responding to the most demanding machining challenges with efficiency and high levels of productivity.

SORALUCE for me is the result of listening to customers, of asking and analysing what they seek in a technological partner; thinking, feeling and acting as they want us to.

SORALUCE for me is our way of being and of doing things, where me represents the customer and our focus on them, which is in our DNA. It belongs to the personality of our brand.

→ We define innovation through our Home of Innovation
→ We develop high added value projects
→ We create experiences
→ We accompany our clients becoming their best partners
→ We live up to our responsibility through our commitment to customers, partners, workers, society and the environment
OUR UNIQUE WAY OF MAKING

HOME OF INNOVATION
SORALUCE assumes technological leadership with its Home of Innovation concept. Technology born from listening to the market, customers and users.

SORALUCE EXPERTISE
SORALUCE is committed to offering the best solution to each customer. Our experts will provide the best advice in products, services, machining engineering and automation, providing manufacturing process improvement.
SORALUCE EXPERIENCE

What our customers say about us is the best way to present ourselves and provides an insight into what can be expected from SORALUCE.

SORALUCE SERVICES

SORALUCE stands by the customer offering a wide range of services through the complete project lifetime. Our service always strive for excellence, operating all around the world, 365 days a year, guaranteeing the highest machine availability and productivity levels.
HOME OF INNOVATION

ENLIGHTENING TECHNOLOGY THROUGH OUR HOME OF INNOVATION CONCEPT

Innovation is at the forefront of what we do and many of the technologies that drive the machine tool sector are pioneered by us.

- Internal multidisciplinary R+D+I with 15 engineers
- Own research centre with 120 engineers and 24 doctors
- BIMATEC-SORALUCE, Service and Excellence Centre in Germany
- Technological alliances and agreements with strategic customers
- €18 M invested in R+D+I in the last 5 years
- More than 50 own technological developments
Located in the vicinity of SORALUCE, our technology centre is specialised in industrial manufacturing and production technologies and currently employs more than 120 engineers and 24 PhDs.

Our technology centre leads innovation in the sector with an intense collaboration with 40 international research institutes and universities from around the world and has participated in more than 50 European projects to date.

The joint work between SORALUCE and its technology centre enables visions to become a reality.
OUR CENTRE OF EXCELLENCE IN GERMANY

25 YEARS LEADING THE GERMAN MARKET

All of the technologies developed by SORALUCE are tested at the BIMATEC SORALUCE Centre of Excellence, located in Limburg (Germany), where the clients themselves test the machines under the most demanding conditions.

The Centre of Excellence is the international testing base of SORALUCE technology and SORALUCE Academy’s site.

› Support and service for the five continents
› 3,800 m² workshop for testing
› Complete range of SORALUCE machines for in-house tests and tests with customers
› Own technology department where tailored solutions are developed for the local market
› SORALUCE Academy’s site
BIMATEC SORALUCE combines the know-how of German engineering with 25 years of experience leading the German market, and offers support and service for the five continents. It is the second SORALUCE service centre at a global level.

With a workforce of 78 people and more than 1000 machines installed in the German market, BIMATEC SORALUCE offers the following services in the local market:

- Project management
- Preparation of complete solutions
- Production support
- Training centre

Services:
- Service hotline
- Mobile fleet
- Head maintenance workshop
- Maintenance and inspections
ADVANCED AND DIFFERENTIATED TECHNOLOGY

DAS SYSTEM
(DYNAMICS ACTIVE STABILISER)

Beyond machine tool limits

The DAS system consists of a device that actively increases the dynamic rigidity of machines, thus increasing cutting capability by up to 300% due to the reduction of the risk of chatter during machining process. The system increases cutting capability in general, improves surface quality and reduces the risk of tool breakages, increasing tool lifetime under extreme conditions.

The DAS system measures the vibrations during the machining process and generates, in real time, by means of ram built-in actuators, an oscillation force that opposes the vibration.

› 100% cutting capacity through the complete workpiece volume
› Increases productivity up to 300%
› Improves workpiece surface quality
› Extends the tool life
› Works in real time
› Reduction of up to 45% in the tested milling times

Awarded with Quality Innovation of the Year 2015 and Best of Industry 2015
The benefits of traditional boring machines and the advantages of modern milling machines

The system fully automatically interchanges the quill spindle with the other heads, thus enabling different quill spindles with different diameters and lengths likewise all necessary milling heads to machine the workpiece.

Compared to traditional quill solutions, the exclusive SORALUCE modular quill spindle enables the same distance between the column and the spindle nose for the quill and rest of milling heads, enabling 5-sided machining in the same set-up without any additional re-positioning of the workpiece at a long distance from the machine.

› Compact solution
› Different heads and quills in a single machine
› Full interchangeability
RAM BALANCE

**Improved precision in big working volumes for any head**

The Dynamic CNC Ram Balance System, patented by SORALUCE, takes care of ram geometrical accuracy, straightness and parallelism, when crossing vertical and cross axes and is specially indicated for machines equipped with head changing system.

The system consists of a CNC controlled electromechanical system assembled within the vertical saddle and measured by a linear scale. It increases the precision, specially when the machine is equipped with the automatic head changing system, as it allows for accurate correction of the mechanical ram deviation regardless of the different weights of individual milling heads.

- The system is 100% controlled at any time, in any position and with any head.
- Configurable compensation values
- Real-time compensation
- Works both in positive and negative directions

PATENTED

- SERVOMOTOR
- PLANETARY REDUCTOR
- VERTICAL AXIS SADDLE
- PLANETARY ROLLER SCREW
- MEASURING SYSTEM
- DAMPING SYSTEM
- ROLLER BEARINGS
1. **Accura Heads**

   It allows the compensation of head's kinematic values on specific positions of the working area.
   - Calibration for any type of head
   - Direct calibration for any single position in the working area
   - Calibration for any angle, not just orthogonal
   - Offset error compensation due to thermal expansion

2. **Adaptive Control**

   Automatic adjustment of the defined cutting parameters depending on the real machining situation.
   - Optimum cycle time
   - Unattended machining
   - Increased machine and tool life

3. **SSV**

   Consists of a continuous variation of the spindle speed to distort chatter regeneration, specially during turning and boring operations.
   - Higher productivity
   - Downtime reduction
   - Longer tool life
   - Significant improvement of the machined surfaces

4. **Dynamic Head**

   Self-calibration system that increases the head positioning precision at any point in space.
   - Valid for any head model
   - Compensates any position in the space
   - It does not require specific programming functions

5. **Custom Cycles**

   Specific custom made user cycles to ease programming of repetitive machining operations on complex components such as turning by interpolation, radius milling by interpolation, etc.
   - Easy programming
Network of experts and services on five continents

SORALUCE is present in 45 countries through its own subsidiaries, portfolio companies and local dealers.

Its commercial activity takes place in the most important and demanding milling, boring and turning markets.
SORALUCE EXPERTISE

MORE THAN 2500 MACHINES INSTALLED ALL OVER THE WORLD

SORALUCE is committed to customer’s technological progress and the challenge to keep updated the current production equipment and enable customers to get the maximum profit from their investments.

› More than 15 milling, boring and turning machine models
› More than 50 standard head models available
› 55 years of experience
› 3 worldwide awards in 2015
NEW GENERATION

HUMAN MACHINE

The SORALUCE’s new generation has been created to push the boundaries of productivity, reliability and profitability. Inspired by customers and users reflects the synthesis of the leading technology and a breathtaking ergonomic design.

The New SORALUCE Generation is based on a complete revision of the machine from the user’s point of view focusing on improving operation efficiency and developing a Total Machine Concept.

TOTAL MACHINE

The complete working area analysed for an optimal result

+ Working area
+ Human area
+ Maintenance spots

red dot award 2016 winner industrial design
Bed type milling machines

High performance in a compact machine

› Long-lasting precision, resulting from a strict design and assembly process
› Optimum stiffness and mechanical stability
› High stock removal capacity and precision machining in one single machine
› Customizable machine thanks to a huge variety of heads and options available
› Complete splash guarding
› Designed to be compact and ergonomic
S RANGE

Fixed table travelling column milling machines

Ergonomic and large capacity

› High flexibility and high precision finishing machining results
› High performance and efficiency provided by a high torque direct drive spindle motor
› A wide range of accessories can be installed in the work area to improve production capacities
› Pendulum machining, minimizing nonproductive times
› First class ergonomy and stability with very low foundation costs
FMT RANGE

Milling and turning centre

**Multitasking machining**

- Large dimensions multitask centre
- Innovative design
- Complete milling and turning features
- Machining of highly complex workpieces in one set-up
- Flexible working area
- Ease of operation and operator safety
- High profitability for the user, both in unit as serial production
Horizontal boring

**Rigidity and precision**

› Unique design boring machine with ram and quill
› Rigid stable design for maximum precision
› High feed forces of the cross axis and quill spindle, results in high stock removal capacity
› The highly rigid structure and boring spindle design, using the latest technologies for thermal stability, ensure long term machine precision
› Machine configuration allows the operator to be next to the working area, enabling easy part setting, adjusting and measuring operations
F RANGE

Floor type milling and boring machines

**Precision in big dimensions machining**

- Accurate and efficient machining results
- Remarkably versatile - efficiently and precisely customised for any specific customer need thanks to the wide range of options available
- Large range of automatic heads, boring heads, quills and special heads
- Low gravity centre design in all the range: improved stability and reduced foundation costs
- Pendulum machining, minimizing non-productive times
VTC RANGE

Vertical turning centres

**Versatility and productivity**

- Proven performances in turning, milling, drilling and grinding operations with high precision and mass productivity
- Multifunction machine: combining turning, milling, drilling, grinding and special measuring devices in a single machine
- Excellent machining results regarding dimension accuracy and surface finishing
- Special design heads/spindles for customised applications are available
Portal and gantry milling-boring machines

**High precision and productivity**

- Multitasking machine: it integrates different machining processes such as milling, boring and turning (with specific tables and heads) for medium-large sized workpieces, machining in a single machine and set-up
- Long lasting high precision thanks to a rigorous design and assembly process
- Optimum rigidity and mechanical stability
- High stock removal and precision machining in the same machine
- It can be customized efficiently and effectively according to the specific needs of each customer, thanks to the wide range of machine configurations and options available
- Peripheral guards or full enclosure upon request
SORALUCE offers professional advice in machining engineering with a team of highly experienced engineers who evaluate the production and machining processes of our clients and provide solutions to optimise them, achieving improvements in cycle times, increased productivity, increased profitability, etc.

› Global analysis of the production process
› Process engineering
› Tooling assessment
› Fixturing (design and manufacturing)
› Special heads, cycles and devices development
› Automation solutions (pallets, flexible manufacturing systems, robots)
› Assessment and training
› Software (CAD/CAM, simulation)
› Personal training programs
SORALUCE offers high performance production solutions according to customer requirements. SORALUCE milling machines, boring machines and vertical lathes have a suitable architecture to integrate these type of systems.

- Automated machining lines
- Palletised workpiece loading/unloading system
- Automatic head changing system for universal heads, quills, facing heads, angular heads, rotary couplings, seat pocket tools, ejector drills or any special heavy tooling
- Automatic tool changing system
- Centralised tool management system
- Centralised production management system
- Robot based tool changer
**PALLETISED SYSTEMS AND FLEXIBLE MANUFACTURING SYSTEMS**

- Maximum efficiency
- Reduction of set-up times
- Downtime are minimised
- Avoid human errors
- Centralised production management
- Full adjustment to the range of workpieces to be machined

**PENDULUM WORKING PROCESS**

- Several working stations
- Nonstop machining
- No downtime (parts are loaded / unloaded while machine continues working)
- Customised working area
- Increased productivity
- Highly flexible

**DUPLEX MACHINING**

- Machine can work separately or as a single machine
- Production increase of up to 50%
- Workpiece precision improvement (machining in a single setup)
- One sole operator for both machines
- Reduced space requirement
- Specific cycles by SORALUCE
Complete solution oriented towards maximum productivity.

SORALUCE multitasking machines are presented as the ideal solution to achieve the highest profitability in the machining of large and technical complex parts.

SORALUCE multitasking machines allows to perform different cutting processes including turning, milling, boring, drilling and tapping operations on a single machine. All this is possible now for multiple kind of workpieces of different sizes and shapes with efficiency and precision.

› Full complement of multitasking capabilities by SORALUCE design turning heads, tables and customer cycles, offering increased capability and functionality

› Multitasking option enables complex heavy duty components being machined in a single set-up
ADVANCED HEAD MANUFACTURING CENTRE

IN-HOUSE MANUFACTURING, TOTAL RELIABILITY AND BROAD RANGE

SORALUCE milling, boring and turning heads are acknowledged as being in a class of their own thanks to their high reliability.

The broad range of SORALUCE heads (Universal, Orthogonal, Horizontal, Modular Quill, Angular, Special, etc) are distinguished by their precision and high performance, enabling complex milling, boring, turning, drilling, reaming and taping operations to be performed with great accuracy.

› Top class heads
› High precision and reliability
› In-house designed and manufactured
› Broad range: 50 standard / 70 special
**DESIGN**

SORALUCE heads are designed in-house by an experienced team of engineers, prioritizing reliability and precision with respect to other features. Additionally, SORALUCE has its own R&D head department, for enhanced final product design.

**MANUFACTURING**

The manufacturing process is conducted in-house, in a state-of-the-art workshop with temperature and humidity control. SORALUCE uses ultraprecision machining centres to achieve extremely tight tolerances.

**VERIFICATION**

Strict in-process quality control of 100% of the components assembled on the heads. SORALUCE has MMC verification units in order to guarantee the required precision values.

**ASSEMBLY**

Assembly of SORALUCE heads by highly skilled assembly engineers in temperature and humidity controlled assembly shops. Assembly and intermediate and final verification processes are strictly defined and rigorously followed.

**RUNNING-IN**

The heads undergo 72 hours of nonstop testing on specifically designed test benches and 125 hours of running-in on the machine testing joint precision, leak prevention, checking the temperature of the heads at different speeds, etc. to certify the highest quality standards for the most critical component of the machine.
MILLING AND 
TURNING HEADS

UNIVERSAL HEAD

ORTHOGONAL HEAD

FIXED HORIZONTAL BORING HEAD

MODULAR QUILL SPINDLE

AUTOMATIC ANGULAR ROTARY
HEAD WITH MANUAL TOOL CHANGE

FACING HEAD
CUSTOM MADE HEADS

| ANGULAR HEAD FOR RAILWAY BOGIE MACHINING | ANGULAR HEAD FOR MOTOR BLOCK MACHINING | 5 AXIS CONTINUOUS HEAD FOR MOULD & DIE AND AERONAUTICS |

SORALUCE has developed an automatic head / quill changing system with adapter flanges. The system consists of a specially prepared machine ram and a specific head adapter flange in each head / quill.

Accurate ram and the head fitting is achieved by hirth couplings, with each milling head clamped by several hydraulic clamping cylinders. Fluid and electricity supplies are provided via quick release couplings.

A fully enclosed pick-up station is provided to protect heads from pollution from the machining processes and workshop environment when not in use.

› Experience since 1996
› Fully modular system
› More than 400 machines working with this system
80% OF CUSTOMERS HAVE TRUSTED ON SORALUCE AGAIN

What our customers say about us is the best way to present ourselves and provides an insight into what can be expected from us.

› More than 2,500 machines installed

› 80% repetitive customers

› More than 1,000 machines installed in Germany during 25 years

› More than 300 machines installed in Italy during 15 years
Accuracy and high performance in heavy duty components

OBJECTIVE: Large dimensions component for PIONEERING SPIRIT, the biggest ship in the world

SOLUTION: SORALUCE FXR milling boring machine providing required precision along the complete working volume (65 x 6,5 x 4,5 m) for big size workpieces (800 Tn)

- Narrow tolerances in straightness and parallelism taking into account that the beams are machined in two sides through the complete traverse of the axes
- Automatic head changing systems
- Large longitudinal, vertical and cross traverses
- Rigid high powered machines for heavy stock removal
- Complete machining of the beams in just two set-ups
- Ram Balance
- Specially developed probing solution for part positioning
- Optimised layout distribution
**OBJECTIVE:** Machining of onshore and offshore wind turbine’s components such as hubs and frames

**SOLUTION:** High performance SORALUCE FR floor type milling boring machines providing full machining and verification process of hubs and frames

- Development of heads to suit special requirement
- Automatic head changing system
- Unattended machining processes
- Rigid high powered machines for heavy stock removal
- Complete machining of components in minimum number of set-ups
- Turn-key project: clamping fixtures, cutting tools, CAD-CAM processing, simulation, training, production launch support

**High precision and high reliability machining results, with a minimum number of part set-ups**
Multiple operations in a minimum number of set-ups

**OBJECTIVE:** Reduce the number of workpiece set-ups in the machining of subsea valves

**SOLUTION:** SORALUCE KB horizontal boring machine with a large variety of heads and tools that minimizes workpiece set-ups considerably

- Rigid high powered machines for heavy stock removal
- Efficient machining of HRSA (Heat Resistant Super Alloys materials such as Inconel, high alloy steel, etc
- Automatic head changing system for universal heads, quills, facing heads, angular heads, rotary couplings, seat pocket tools, ejector drills or any special heavy tooling
- Robot based tool changing system
- High coolant flow up to 400 L/min and high internal coolant pressure up to 70 bar
- Machine management with all peripherals and the machining process under control
High performance solutions

**OBJECTIVE:** Machining of railway bogie (power frame and trailer frame) for high speed train

**SOLUTION:** SORALUCE FR floor type milling and boring machine with special designed fixturing, tooling and heads

- Machining of the bogie vertically clamped improving chip evacuation, reducing heat generated and avoiding workpiece deformation
- Pendulum machining process consist of two or more working areas avoiding any machine downtime
- Complete bogie machining can be completed in just two set-ups
- Easy bogie clamping system
- Full accessibility to the bogie for verification and measuring purposes
- SORALUCE designs and develops special heads for specific operations of the bogie machining process
- Fixturing, tooling, CAD-CAM process and simulation
INDUSTRIAL VEHICLES

Ad-hoc automation to boost productivity

**OBJECTIVE:** Full machining of the booms on the entire range of harvesters

**SOLUTION:** Fully automated palletised and integral solution based on two SORALUCE FP duplex model floor type milling machines for the highest productivity

› Integral solution
› High output levels
› High precision results, high concentricity
› Fully automated and palletised system
› Heavy duty pallets
› Unattended machining
› Ad hoc software
› Project management
High stock removal combining high precision finishing results

**OBJECTIVE:** Machining of automotive moulds and dies from raw block

**SOLUTION:** SORALUCE FL floor type milling boring machine with stepless universal head for milling and deep drilling operations

- Roughing and finishing machining
- Vertical and horizontal machining
- Stepless universal head $0.001^\circ \times 0.001^\circ / 32 \text{ kW} / 5,000 \text{ rpm}$
- High dynamics, with axes speeds up to 35,000 mm / min
- Workpiece finishing operation by interpolation
- Cooling system outside / inside the spindle
- Automatic tool changing
- Deep hole drilling operations
Versatility and multi-function

**OBJECTIVE:** Machining of large workpieces for capital goods and precision engineering

**SOLUTION:** Multi-functional SORALUCE FXR floor type milling-boring machine that offers versatility and productivity in the machining of large workpieces

- Machine with big dimensions, with 20,000 mm longitudinal, 1,900 mm cross and 6,500 mm vertical traverses
- Automatic head changing system
- Different heads to cover milling, boring and turning machining operations such as: universal head, orthogonal head, horizontal head, facing head, etc
- Turning process integration
- Various working areas such as floor plate and rotary-travelling table with milling and turning features
MAIN REFERENCES

CAPITAL GOODS
- BOBST
- DIEFFENBACHER
- DURMAZLAR
- EIFFEL
- HEIDELBERG
- LAGUN ARTEA
- LVD
- MAN ROLAND
- MOTOFIL
- ROLL ROYCE
- SCHULER
- SCM
- SMS MEER
- VAN DE WIELE
- ZHONGTAI

GENERAL ENGINEERING
- BARIN
- CIMOLAI
- FERRY CAPTAIN
- FORMAMETALL
- HAKKINEN
- JUMBO IND. MEC.
- KINKELE
- NK ANLAGEN
- OFF. ZORZO
- OSTERKAMP
- REPA
- RUUKKI
- SANDERS
- SCHWARZ
- ZPM

ENERGY
- ANDRITZ
- BECKMANN VOLMER
- BHEL
- ENERCON
- GAMESA
- GENERAL ELECTRIC
- HELDECO
- JIANGSU WENHUI STEEL
- MPC
- NUCLEAR AMRC
- SCHLUMBERGER
- SIEMENS
- SIEMPELKAMP
- SUZLON
- WEG INDUSTRIES
INDUSTRIAL VEHICLES
ABUS
FEMONT
HYDROMEK
JCB
JOHN DEERE
KOMATSU
KONECRANES
LINDE
LONGGONG
NEW HOLLAND
NORMET
PEDERTRACTOR
PONSSE
STILL
BOUHYER

RAILWAYS
ADIF
ALCAN SINGEN
ALSTOM
BEIJING FEB. 7TH
BOMBARDIER
CAF
CHANGCHUN RAILWAY
CJSC TRANSMAHOLDING
CNR TANGSHAN
COVASUR
CSR SIFANG
KRYUROVSKY CAR
NANJING PUZHEN
SIEMENS
STORK RMO

MOULDS & DIES
BMC
BMW
BOCAR
BREUNIG
OMP
GAUKEL
GEOCAM
IMS
MAIER
MERCEDES
NUOVA STAME
SP COSTRUZIONI
VOLVO
WEISS
WULIANGYE
From the moment the first idea emerges, from the moment the concept is born, from the moment the project of a new machine is set in motion, SORALUCE stands by the customer.

A professional, fast and efficient service through an experienced team fully oriented to customer satisfaction throughout the complete project life.

› Local service support in over 45 countries

› ≥ 95% availability as per VDI 3423

› 72 spare heads permanently available

› Spare parts with over 100,000 references always in stock
SORALUCE has an expert team to provide advice on the machining process to get the maximum performance of your machine. This guarantees the optimum configuration of the solution for each specific production requirement.

› Hotline and teleservice 365 days a year
› Spare parts management and logistics
› Head maintenance centre
› Training centre
› Inspection and maintenance service
› Machinery maintenance program
› Production assistance and consulting for production process improvement through new technologies
In the framework of Industry 4.0, SORALUCE offers a comprehensive monitoring package based on cloud computing.

Thanks to the revolutionary SORALUCE SMARTBOX M2C system (Machine-To-Cloud), the machine is connected online to the Cloud, where any significant events are recorded and can be used to deploy the associated services offered by SORALUCE under Industry 4.0.

SORALUCE uses this Cloud-connected hardware structure to offer its SORALUCE Monitoring and Reporting service.

- Constant control of the machine, in real time and from any location
- Full-service reports
- Optimised energy consumption
- Remote execution of machining programs
- Preventive maintenance
Management of alarms: Real time, historical and help life.

Remote access to the control of the machine.

Key machine information displayed in real time in a mobile device as a smartphone or a tablet.

Use management.

**ACCURACY**
Machines incorporate intelligent systems which improve accuracy and increases productivity.

**MONITORING**
It enables users to connect to their machines from anywhere in the world via the SORALUCE website and to use their smart phone, tablet or PC to check sensitive indicators in real time, such as machine status (cycle, stop, alarm, etc.), ongoing program, tool on headstock, shaft and head speeds, power, status of overrides, etc.

› Output monitoring: Monitoring of machine availability, performance, interim and total production times per workpiece, power consumption per workpiece, etc.

› Cutting process monitoring: Fluid levels, headstock status and ongoing alarms are monitored

› Status monitoring: Monitoring of construction elements as bearings, spindles and electronic components

**REPORTING**
SORALUCE offers the user a full service reporting with sensitive information about:

› Power consumption
› Running of machining programs
› Use of head and tool changer
› Degree of machine use
› Alarms
› Preventive maintenance

**Functionalities**
1. Management of alarms: Real time, historical and help life.
2. Remote access to the control of the machine.
3. Key machine information displayed in real time in a mobile device as a smartphone or a tablet.
4. Use management.
SORALUCE ACADEMY

KNOWLEDGE IS THE RAW MATERIAL OF FUTURE AND WE ARE SHARING IT WITH OUR CUSTOMERS AND PARTNERS

Learn, discuss, improve.
Connecting with experts in your filed worldwide.

› A place where customers contact with experts in various fields to share, learn and test solutions and projects

› We offer customers a deep understanding of different technologies and solutions through a series of unique seminars, workshops and masterclass for specific industries and orientated to practice

› Seminar rooms, heads laboratory, an internal R+D+i department and a research centre at SORALUCE’s headquarters in Bergara (Spain)

› Seminar rooms and equipment for testing in our Centre of Excellence in Limburg, Germany

› SORALUCE organizes this kind of technological activities for its customers worldwide with an annual program
WE LIVE UP TO OUR RESPONSIBILITY

CORPORATE RESPONSIBILITY IS THE COMMITMENT OF THE SORALUCE BRAND TO THE ENVIRONMENT, CLIENTS, SOCIETY AND STAFF

› Responsibility with our products
› Protection of the environment
› Responsibility towards people
› Responsibility towards society
**Responsibility with our products**

SORALUCE has created a new generation of more humanised machines, by and for the user. The new generation of SORALUCE machines is designed for a reduced consumption of energy and consumables.

**Protection of the environment**

SORALUCE is committed to sustainable development and respect for the environment as an example of efficiency and a guarantee for the future. SORALUCE is the first company from the machine tool sector to achieve the certification of its product design system and development process management (what is known as ecological design or eco-design) meeting the ISO 14006 standard. SORALUCE received this certification with which it achieved a reduction of the global environmental impact of this machine of more than 18%.

**Responsibility towards people**

Given its international nature and corporate innovation model, SORALUCE is based on interrelationships, cooperation and exchanges of knowledge between professionals with different profiles and from different cultures. SORALUCE creates stable employment with an annual increase of 2.5%. SORALUCE seeks the continuous development of people; we are committed to training, transparency and participation, proactively managing talent and developing the potential of people in a safe and quality work environment.

**Responsibility towards society**

We have an innovative attitude, a distinguishing feature of our management model; commitment and a vocation to provide a service to society. We are involved in the promotion of the surroundings we are located in, we aspire to a fairer and more equitable society. SORALUCE creates wealth in its environment and has proven its commitment to education, culture, etc. by donating 10% of its profits to these organisations.
SORALUCE’S CORPORATE CULTURE

SORALUCE’s corporate culture is characterized by clear responsibility, mutual respect and trust. Legality and fair competition are integral to our business activities and are a sine qua non condition to ensure the success of our company in the long terms.

“Legal conduct and loyal competition are vital for the long-term success of business at SORALUCE. We create a foundation of trust for our relationships with clients and business partners”.

SORALUCE’S COMMITMENT