

SONCEBOZ
from mind to motion

Industries



Your partner for **mechatronics**

From **mind**
to **motion**

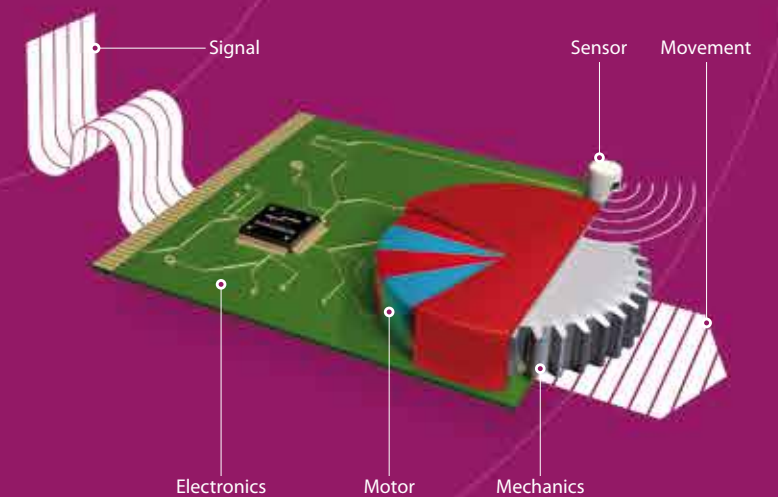
Your partner for **mechatronics**


Sonceboz's core competencies consist of design, development and production of mechatronic drive systems, and electric motors that operate in challenging environments.

We are committed to increasing safety and comfort, enhancing machine's productivity and improving ecological footprint.

We offer compact, seamless and innovative motion systems. Our "from mind to motion" service is our key to our success for worldwide OEM customers and their suppliers.

Welcome in Sonceboz, an enterprise in motion!





Challenges in motion systems

Ever-increasing energy efficiency, reliability, precision, and sustainability all along the technology life cycle are prime objectives for the world's Original Equipment Manufacturers now and in the next decades. Increasing population density, scarce and costly resources, and the spectre of climate change drive demand for sustainable technology and reduced pollution and CO₂ emissions. These trends mean industry, as a whole, increasingly seeks smart solutions for energy savings and efficiency boosts.

Shifting demographics -the ageing population and regional differences in age distribution- are changing the shape of healthcare systems, production processes, and agricultural technique. Innovative, smart electronic motion systems will continue to propel us towards more durable, versatile, and precise machines to take on repetitive tasks and manage increasingly complex product architecture.

The mechatronics future is bright!

Comfort Productivity
Security

Transforming signal into motion

Our “From mind to motion” expertise centers around electromagnetic technology, fully interfaced with your industrial or healthcare application to transform electrical signals into accurate, precise, repeatable movement.

By orchestrating mechanical, electronic, and software technologies into powerful mechatronic solutions, our coordinated control of this multi-field competence supports our customers’ cutting edge designs. Whatever the motion system, Sonceboz mechatronic solutions guarantee dependable, consistent, and robust performance.

One unique partner
Full mechatronics expertise
Full industrial capabilities

Competencies

Design

- Actuators / Motors
- Electronics
- Mechanics

Production

- Automated Assembly
- Plastic Injection
- Metal Components
- SMD Assembly

Quality

- ISO 13485
- ISO/TS 16949
- ISO 14001
- 0ppm policy

Technologies

Motors and Actuators

Stepper Motors	BLDC Motors	Torque Motors	Slimline Motors
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Mechanics

Gears and lead-screws

Sensors

Position, Force, Speed

Electronics

Sensor and sensorless auto-commutation

Your tailored applications:
compact, robust, innovative

From the comprehensive brushless motor technology portfolio...

Brushless and stepper motors are all intended for exigent applications in challenging environment and produced with the relentless pursuit of zero defects. They build the heart of the mechatronic drive system we develop in close cooperation with our customers, always with the aim to get most reliable, precise, compact and cost-effective drive solutions.

...to the complete Mechatronic System

Compact, precise, connective and highly reliable

Optimal cost of ownership through
high integration

Rotary Systems

- Low noise
- Long lifetime
- No backlash

Stepper-Motor

- Direct drive
- High resolution
- Harsh environment

Micro-Motors

- Most compact and flat design
- PCB-mountable
- Low noise

Linear Systems

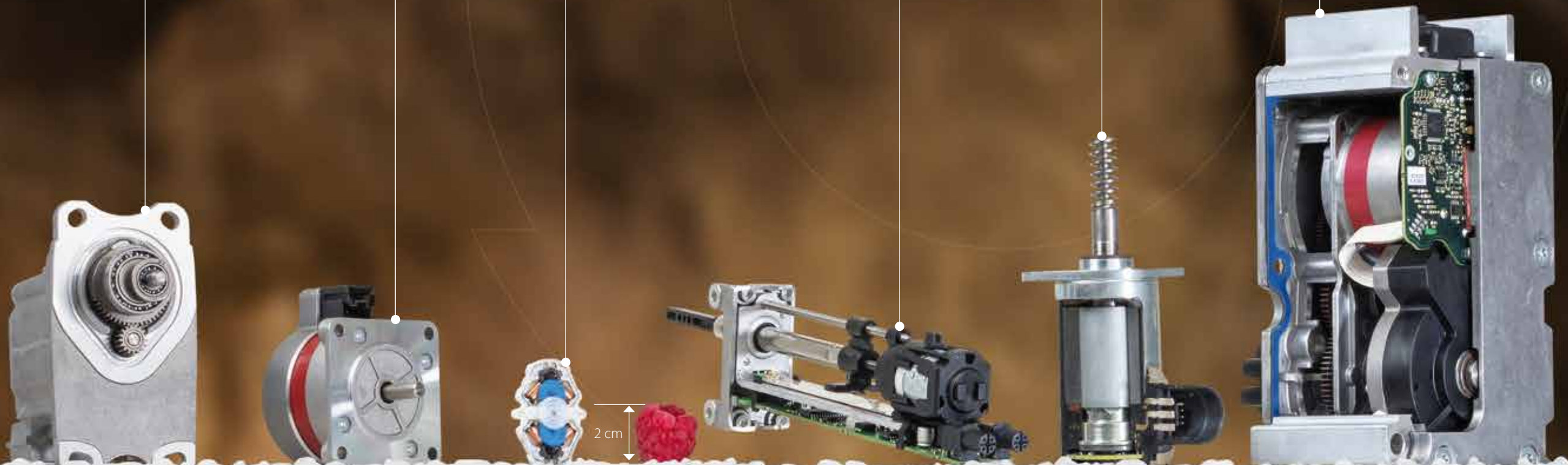
- High precision
- High resolution
- Fail safe

Brushless DC

- High dynamics
- High torque density
- High accuracy

Complete Mechatronic Drive Systems

- Embedded electronics
- High torque
- Robust design



Mechatronics for challenging applications



MedTech

Hospital devices

Goal is to enhance quality, productivity and safety of patient care devices, by using highly precise, long-life and intelligent actuators.

Laboratory & diagnostics

The increasing number of complex and repetitive tests, and need for productivity requires performing execution functionality of instruments.

Portable devices

Advances in biomedical technology pave the way to a more personalized healthcare. Packaging constraints of portable devices imply small size, low consumption and seamless actuators.

Medication

Medication and chemistry processes demand the most efficient mechanical performances for dosing, control, and positioning.



Off-highway vehicles

Electro-hydraulics

Local intelligence in smart motion systems, withstanding the severest conditions, help reduce complexity and increase dependability of hydraulic systems.

Implements

Electric actuators control nozzles to dose just the right amount of liquids in well-calibrated, uniform droplets.



Automation

Building automation

Reliable, compact mechatronic actuators in modern HVAC control systems reduce energy consumptions and enhance control functionality.

Industrial automation

Intelligent rotary or linear direct drive actuators designed for extended life time help to increasing flexibility of machine functions, and reducing downtime and maintenance.



Renewable energy

Solar tracking

Sun is one of the most promising green energy source, and tracking sun displacement in CSP and CPV systems require powerful, robust and precise mechatronics for ultra durability in harsh environments.

Validated application-specific
motion systems
Quick time-to-market solutions
Track record in challenging
environments

Full engineering & production capabilities

As each problem is unique, so is every Sonceboz solution! Flexible, specialized, and dedicated Sonceboz engineering teams play a fundamental role in the win-win partnerships we form with our customers. Using performance simulation and validation systems, high quality process instruments, and seamless production equipment we are able to reduce your development time, ensure a high level of quality, and in this way, guarantee customer satisfaction.



Automatic assembly lines
SMD electronics assembly
Injection molding
Coil winding
Metal working
Testing and Simulation

Flexible engineering team
**Quality ensured in the whole
product value chain**
Fully-automated assembly lines

Ready for **the future?**

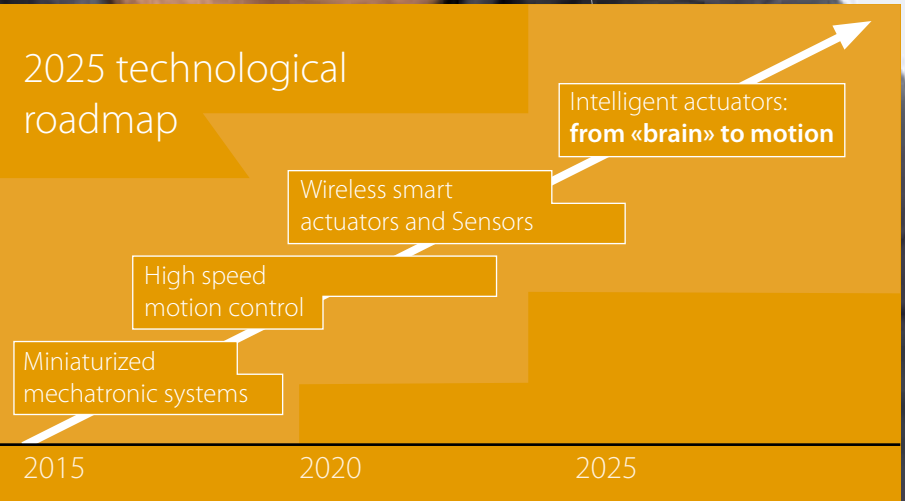
In close partnership with you; with our subsidiary MMT - Moving Magnet Technologies, a research lab in electromagnetism; and with strategic partners, we actively develop brushless DC solutions for drive and positioning. We manage our innovation process and the technological lifecycle by constantly anticipating tomorrow's trends, and by syndicating new and emerging technologies. Intensive research is pursued to always bring you state-of-the-art solutions.

Advanced technologies
always at your disposal

**Partnership with
a technological leader**

High market differentiation of your solution

2025 technological roadmap



A partner on your side

As a family-owned company since 1936, we strive to share our passion for mechatronics, with a clear vision that you strongly benefit. Our steady growth of more than 10% per annum is trusted by all the major world-wide OEMs. Our 1000 employees are committed each day to serving our partners. With flexible processes at our established facilities certified to ISO 13485, ISO/TS 16949, ISO 9001, we deliver more than 60 million motors every year.



Innovative technologies
from a country of nature and precision

A close partnership
with a sustainable company

Award-winning quality and service

Worldwide delivery and support



Proven **solutions portfolio** in **challenging environments**



Wide temperature
range [-40°;+160°C]



Low Noise
<35db



Low current
consumption -50%



High protection
degrees



Miniaturization
and compactness



Versatile
connectivity



Long lifetime
>40'000h



Direct drives
[up to 10 Nm]

Contact us!



SONCEBOZ SA

Rue Rosselet Challandes, 5
CH-2605 SONCEBOZ
Tel: +41 (0) 32 488 11 11
Fax: +41 (0) 32 488 11 00



SONCEBOZ Microtechnique Boncourt SA

Rue des Boulaies
CH-2926 Boncourt
Tel: +41 (0) 32 488 11 11
Fax: +41 (0) 32 488 11 00



SONCEBOZ Corporation

525 Avis Drive, Suite 5
Ann Arbor, MI 48108 - USA
Phone: +1 (734) 622-0330
Fax: +1 (734) 622-0420
Toll free: +1 (800) 766-8242



Moving Magnet Technologies SA (MMT)

1 rue Christiaan Huygens
F-25000 Besançon
Phone: +33 (0) 3 81 41 42 00
Fax: +33 (0) 3 81 51 83 06

