



ROLLING MILLS

 **RUSSULA**

ABOUT US

Russula is a global engineering firm with over three decades of experience in the steel sector.

While rooted in industry, Russula embraces a digital DNA, focusing on **data**, **technology**, and **innovation**. We are committed to leading technological advancements, driving industrial innovation, and shaping a brighter future for younger generations.

Russula offers a wide variety of services ranging from comprehensive plant building, **mill upgrades**, **digital solutions**, **consulting** and **process troubleshooting**.

We have developed projects for the major **worldwide** steel producers.

Projects in over 130 steel plants situated across 35 countries worldwide.

All this is only possible thanks to: our team & our clients' trust.

OUR MISSION



Excellence



Reliability



Innovation



Sustainability

These are the four core values guiding Russula. These values have enabled us to establish a **strong foundation**, positioning us as a trusted partner.

Our mission is to assist clients in discovering the best **engineering solutions** for the most complex challenges within the steel sector, equipping them with the best **state of-art tools** to transform, scale and build high-performance businesses.

TRANSFORMING STEEL WITH DIGITAL SOLUTIONS

At Russula we redefine the future of the steel industry through **cutting-edge solutions**. In an era of innovation, **digitalization**, and **technology**, we are your avant-garde partner for revolutionizing steel operations.

We are specialized in **long steel processes** and focused on wire rod mills and bar rod mills.



Choose
Russula for a
transformative
journey in
steel industry
processes, where
innovation meets
digitalization, and
technology
defines the
future.



PROCESS EXPERTISE

PIONEERS IN REIMAGINING STEEL PROCESSES

Our journey of 35 years in the steel sector gives us a deep-rooted understanding of steel sector processes. We don't just provide services; **we deliver comprehensive solutions.** Our team leverages the latest advancements, ensuring your operations are at the forefront of **industry innovation**, positioning us as leaders in the industry.

Our commitment extends beyond meeting your immediate needs. We focus on understanding the entirety of your requirements, offering holistic solutions that **elevate your operational efficiency** and ensure long-term success.

PLANT
BUILDING



CONSULTING



85%
of our clients
choose us again.



SAFE AND AUTONOM OUS MILL



AUTOMATION + PLANT MANAGEMENT SYSTEM + COMPUTER VISION

Autonomy is the future.
It is the pivotal concept
that is revolutionizing the
steel industry. It enables:

SAFER OPERATIONS

MORE EFFICIENCY

DECISIONS BASED ON DATA

ACCESS TO ACCURATE,
REAL-TIME PROCESS DATA

CONSOLIDATING THE MILL'S
DATA WITHIN A **UNIFIED PLATFORM**

INTUITIVE INTERFACES

We offer innovative solutions to make production processes more efficient, transforming the industry through integrated cutting-edge applications.



Upgrade your train's **automation**.



Adapt the **mill layout** to remove staff during the rolling operation



Implemente Mill Pulse as your **plant management system** to leverage the data.

MILESTONES TO A SAFE AND AUTONOMOUS MILL



Computer vision applications on top of the automation solutions.



Access all the information in a fully **integrated platform** to adjust, detect, analyze, monitor, and predict future problems.



Improve the efficiency of your mill with **algorithms** developed specifically to guarantee stability and realibility of the process.

PLANT MANAGEMENT SYSTEM

Introducing **Mill Pulse**, a plant management system designed from and for continuous, hot rolling processes, that enables users to make **better decisions** based on data.

Mill Pulse® is:

- Plant management system.
- Designed specifically for **steel process**.
- Fully **integrated** with the automation and ERP systems.
- To **track and trace** production and activities like the mill setup management and the roll workshop.
- **Intuitive**, easy to use.

Functionalities:

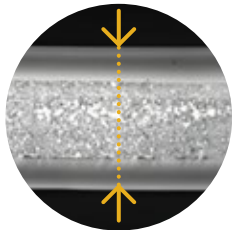
- Manage **production orders**.
- **Track production** and delays.
- **Recipes** management.
- Visualize and interact with **alarms and events**.
- Management of **workshop activities**.
- Display availability and status of rolls and stands to **preview future scenarios**.



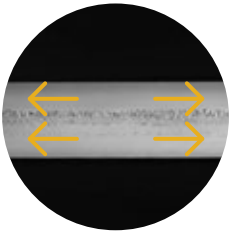
COMPUTER VISION AND ARTIFICIAL INTELIGENTE

Computer vision adds a new dimension of safety to the rolling process. By combining **lasers**, **cameras**, and **profilers**, we can create an integrated solution that enables **tension control**, **cobble detection**, **cutting optimization**, among others.

Our comprehensive and flexible solutions allow us to offer customized solutions for each mill's problems. All measured by a **vision system** with a **precision** unmatched by sensors today.



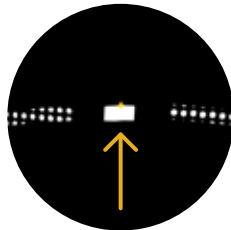
MATERIAL
PROFILER



TENSION / PUSH
DETECTION



SHEAR CUT
MEASUREMENT



LOOP
CONTROL



COBBLE
DETECTION

AUTOMATION

Combining advanced software and hardware solutions with over three decades of expertise in the sector, we offer the best solutions to increase mill productivity and **ensure consistent production.**

Russula specializes in delivering comprehensive electrical and automation solutions for various sectors, including **Bar Mills, Rod Mills, Section Mills, Reheat Furnace** and **Steelmaking.**

Experience the future of automation with Russula, where cutting-edge technology transforms your rolling mill into a fully automated system with key features that positively impact process stability.

ROLLING MILL
CONTROL



REHEAT FURNACE
CONTROL



AC AND DC DRIVE
UPGRADES



DATA ACQUISITION
SYSTEMS



Empower your operations with Russula's innovative automation solutions, ensuring efficiency and reliability at every stage of the production process.

MANUFACTURING AND SUPPLY

Equipment for the long run.

Designed and selected by a multidisciplinary team with years of experience in rolling mills. Our wire, bar and section rolling mills are developed to ensure **high flexibility and minimal maintenance**. From the initial conceptualization of the equipment, we **integrate both mechanical and automation**, guaranteeing efficiency and long-term operational performance.

**Choose reliability,
choose innovation,
choose our rolling
mills for a high
standard in
performance.**



BAR AND SECTION MILLS

RCS
HOUSINGLESS
STANDS



CRANK, ROTARY
AND COMBINED
SHEARS



VERTICAL
LOOPERS



Q-BAR
QUENCHING



FINISHING
END AREAS



WIRE ROD MILLS

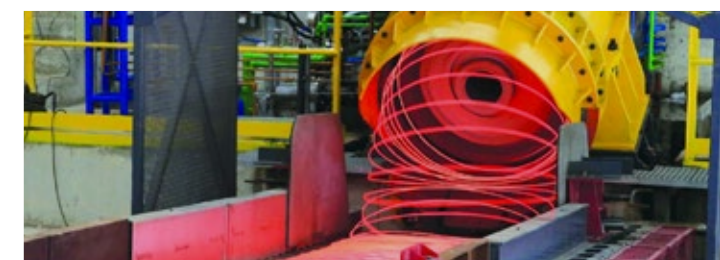
FINISHING
MONOBLOCKS



WATER
BOXES



LAYING
HEAD



COILS
HANDLING



COIL
CAMPACTORS



WE GIVE YOU SUPPORT

Embarking on a journey with our clients is just the beginning; **we're with you every step of the way!**

As your partners, we're here to give you support whenever you need us, ensuring a seamless experience.

Our support team is committed to providing **ongoing operational support**, boosting efficiency, and **implementing quality improvements** for long product mills.

Our experienced production and automation engineers **personally visit your mills**, addressing every problem from processes to mechanical and electrical challenges.

TECHNICAL
ASSISTANCE



OPERATION
SUPPORT



PROCESS
TROUBLESHOOTING



KEY PROJECTS



Celsa Group
France.
Turn Key Wire Rod Mill.



Dojran Steel
Macedonia.
Section Mill.



Gerdau Caucaia
Brazil.
Bar and wire rod Mill.



Nucor Utah
USA.
Mill upgrades.



Arcelor Mittal Acindar
Argentina.
Mill upgrades.

OUR CLIENTS

www.russula.com

Headquarters

Galileo Galilei 8, Bajo B,
15008, A Coruña, Spain.

Italy

Viale del Ledra 108,
33100, Udine, Italy.

Mexico

Ciudad Victoria, 1022,
Monclova, Coahuila.

Greece

Viktoros Ougko 12, 546
25 Thessaloniki, Greece.

South America

Av. Ibirapuera, 2907,
Torre C, Cj : 1114-1116.
Indianópolis, Sao Paulo.
04029-200. Brazil.

North America

559 Main Street, Unit 202,
Fiskdale, MA 01518, USA.

India

Plot No: 727, 03rd
floor, Bivab Gulmohar
Nayapalli, Bhubaneswar,
Odisha, India-751012.

 **RUSSULA**