



SIMATEC...

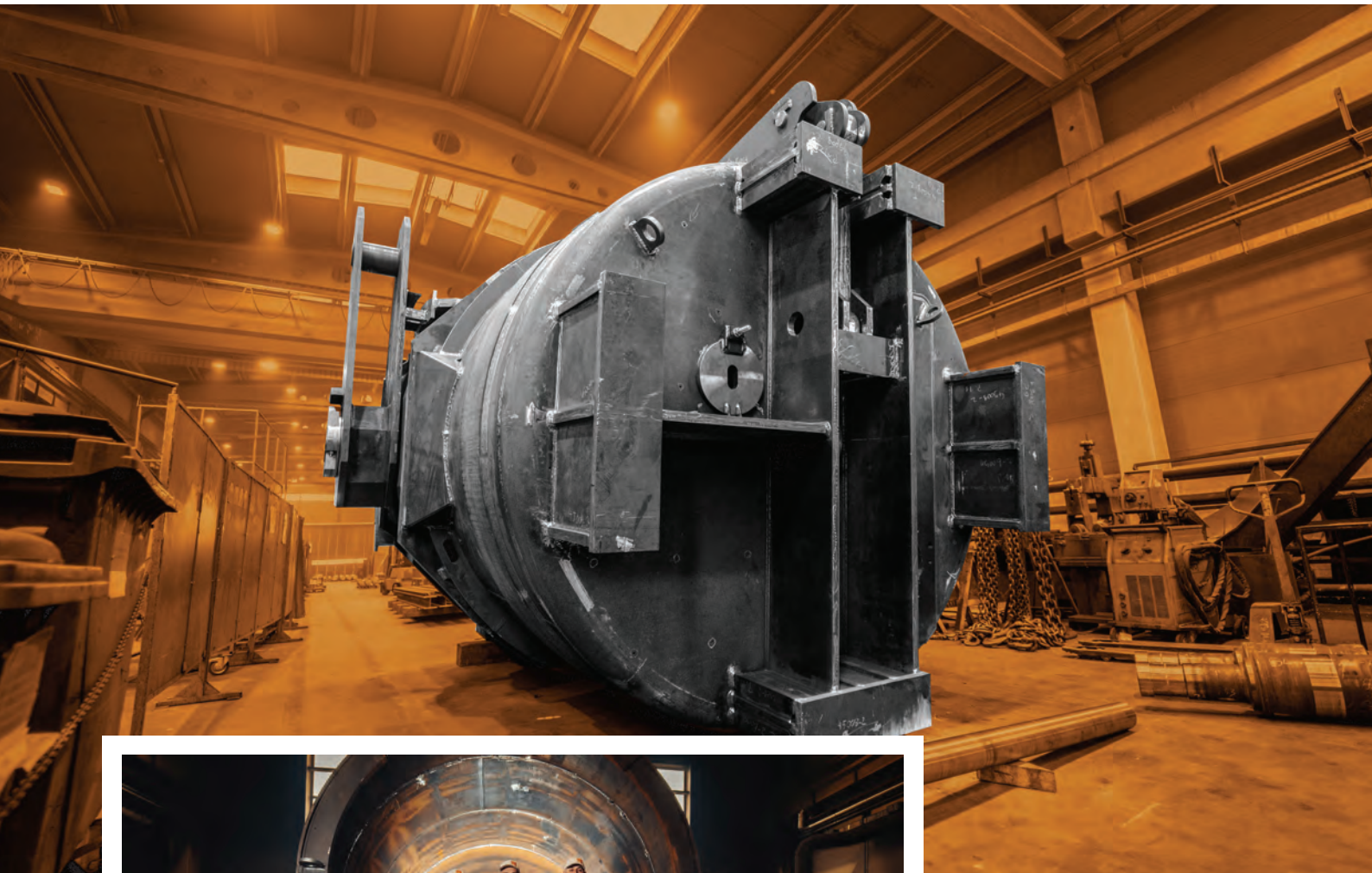
sij | ravne systems

SIMATEC
PRODUCTS BY SIJ RAVNE SYSTEMS

FLEXIBILITY – SHORT SUPPLY – HIGH QUALITY – EXPERIENCE

WHY SIMATEC?

Our extensive knowledge and rich experience in metallurgical, mechanical engineering, transport, power supply and mining industries combined with expertise in materials and technologies, as well as advanced production equipment, enable us to produce high quality products and equipment.



Strong tradition, excellent service, perfect quality and commitment to building a long-term, fair partnership – this is who we are – SIMATEC by SIJ Ravne Systems.

SIMATEC METALLURGICAL EQUIPMENT

Metallurgical equipment and components under brand name SIMATEC specialize in design, development, and manufacturing high-performance machinery for metal production and processing.

We produce custom made products tailored to various sectors of metallurgical equipment including steel mills, aluminium mills, hot and cold rolling mills, forging shops, power and conveying facilities, etc.



- **STEEL PLANTS**

The equipment is manufactured based on the customer's documentation. Additionally, we offer our own research and development expertise, allowing us to modify and adapt designs and technical documentation to meet specific customer needs.

Our understanding of materials, technologies, steel production processes and our advanced production capacities enables us to produce a wide range of equipment for steel plants.

- **ROLLING MILLS**

In hot and cold rolling mills a wide range of equipment and components for transport, straightening, coiling, cutting, packing and storing equipment is needed. We manufacture a wide range of components, machines, or even complete production lines to support the various production processes in rolling mills.

- **ALUMINIUM MILLS**

For aluminium mills we produce a broad array of products tailored to different stages of aluminium production, ensuring high efficiency and optimal performance throughout the process.

- **FORGING PLANTS**

Our experience, knowledge and adequate production capacities enable us to manufacture a wide range of products for forging shops, such as hammers, presses and anvils, ensuring high performance and durability in demanding forging environments.

What makes SIJ Ravne Systems a strong partner in the metallurgical equipment industry is the expertise we have gained over decades of experience.

SIMATEC HANDLING EQUIPMENT

for Steel, Aluminium, Rolling Mills, and Forging Shops.

At SIJ Ravne Systems we are specialized in manufacturing custom-designed handling equipment tailored to meet the specific needs of various industrial sectors.

Handling equipment plays a main role in engineering and manufacturing, enabling the efficient transport, lifting, and management of materials essential to operational success.

SIMATEC products by SIJ Ravne Systems

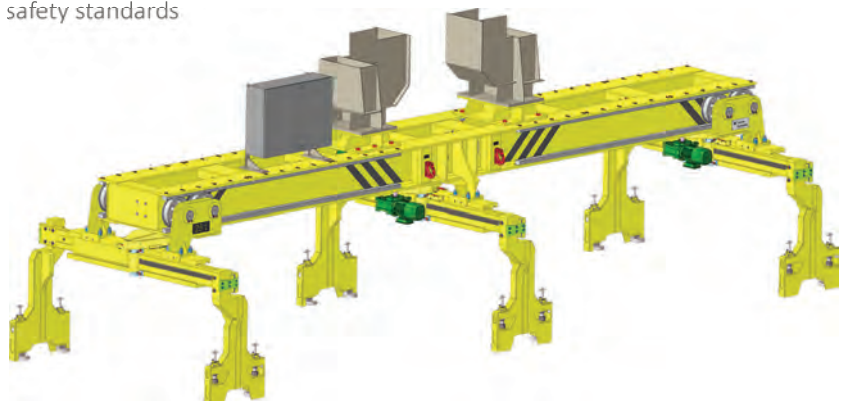
AUTOMATIC FORGING TONGS

- Capacity from 1t to 40t
- Suitable for round or squared ingots
- Swivel grip tips
- All tongs are individually designed and calculated to specific customer requirements
- Manufactured in accordance with EN ISO safety standards
- Quick access to wear components
- Minimum inherent weight
- Extended lifetime



SLAB GRIPPERS

- The slab gripper is able to lift one or several slabs simultaneously
- Electro mechanical end limit switch for min/max opening of tong
- Lateral adjustment of outer lifting arms
- All grippers are individually designed and calculated
- Manufactured in accordance with EN ISO safety standards
- Quick access to wear components
- Minimum inherent weight
- Extended lifetime
- Capacity up to 25t



LADLE BEAMS

- The ladle beam is designed to carry single ladle
- It's designed for heavy duty applications in steel manufacturing
- All ladle beams are individually designed and calculated to specific customer requirements
- Suspensions are customized on individual customer demands
- Manufactured in accordance with EN ISO safety standards
- Quick access to wear components
- Minimum inherent weight
- Extended lifetime
- Can be supplied with custom storage stand
- Capacity from 5t to 30t

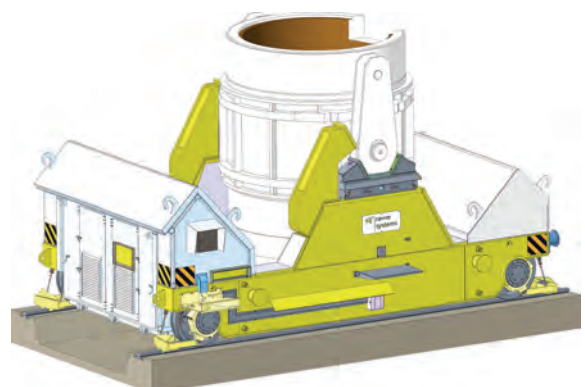


TRANSFER LADLE

- The transfer ladles are used to transfer a certain capacity of hot metal from furnace to pouring unit
- Capacity from 30t to 90t
- All ladles are designed and calculated on specific customer demands
- Manufactured in accordance with EN ISO safety standards
- Quick access to wear components
- Minimum inherent weight
- Extended lifetime

LADLE TRANSFER CAR

- Ladle transfer cars are used to carry hot metal ladles for transport within the plant
- Customized load capacity up to 200t
- Optional safety systems
- Optional control systems (radio control / remote control)
- Optional power unit
- Traveling speed 0-20 m/min
- Manufactured in accordance with EN ISO safety standards
- Quick access to wear components
- Minimum inherent weight
- Extended lifetime



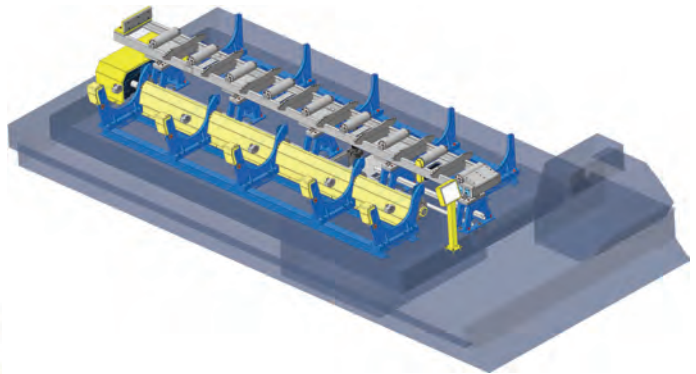
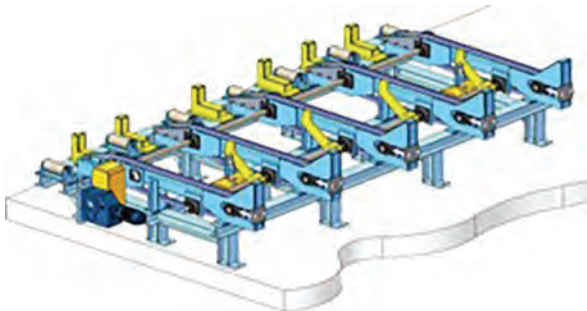
TRANSFER TROLLEY

- Transfer trolleys are a simple and elegant solution for moving goods across different parts of the factory
- For indoor or outdoor usage
- Customized loading surface for specific customer demands
- Capacity from 1t to 50t
- Traveling on standard or customized rail tracks
- Optional control system (radio control, remote control)
- Optional safety systems (laser scanners, safety wires, LED lights, sound accustics, buffer)
- Customized system (lifting, tilting, weighing)
- Manufactured in accordance with EN ISO safety standards
- Quick access to wear components
- Extended lifetime



CUSTOMIZED SOLUTIONS FOR LOADING / UNLOADING FOR STRAIGHTENING MACHINES

- We offer customizable solutions for loading and unloading for round or flat products for straightening machines
- From diameter $\varnothing 30\text{mm}$ to $\varnothing 100\text{mm}$ round product
- Flat product from 100mm
- Max capacity of tables 5t
- Length of tables from 2000mm to 6000mm



By investing in the right equipment, businesses can enhance operational efficiency, improve safety, and achieve significant cost savings. Whether it's cranes, hoists, conveyors, or robotic systems, choosing the right handling solutions ensures effective material management and contributes to the success of industrial operations.

SIMATEC COMPONENTS AND SPARE PARTS

for Steel, Aluminium, Rolling Mills, and Forging Shops.

Our production program covers a very wide product mix which is also supported by spare parts production. We produce spare parts for different fields of metallurgical equipment at customer request, from steel mills, hot and cold rolling mills, forging shops, power and conveying facilities, and so on. Spare parts are available for all the sub-assemblies and lines produced in our company.

PARTS FOR SUB-ASSEMBLIES FOR PROCESSING EQUIPMENT

- Coilers / uncoilers for sheet metal, for hot and cold rolling mills
- Bearing housing for hot and cold rolling mills. Cast, welded or forged execution
- Machine sub-assemblies and parts
- Hydraulic cylinders and parts
- Machined welding joints, forgings and castings

MACHINE AND DEVICE SPARE PARTS

- Pilger mandrels
- Parts for forging hammers
- Parts for cold and hot rolling mills

SUBASSEMBLIES FOR TRANSPORT EQUIPMENT

- Running wheels
- Sub-assemblies for conveying equipment
- Wagon and locomotive axles

SUBASSEMBLIES FOR POWER SUPPLY AND MINING INDUSTRY

- Parts for lifting devices and mining industry
- Components for hydroelectric power
- Large welded valves

REDESIGN OF GEARBOXES AND OTHER WEAR PART FOR MAINTENANCE

- Design and manufacturing of spare parts where fast delivery and implementation is required.
- Production of worn, broken, deformed parts where manufacturing documentation is not available.

Wear parts list: Gearboxes, Gears (spur, worm, screw, internal, rack, helical, parallel, straight), Cylinders , Special bushings, Track wheels, Wear parts, Liners, Spindles, Etc...

At SIJ Ravne Systems we understand the critical importance of minimizing downtime. That's why we offer spare parts engineered for reliability and durability, ensuring long-term performance and reducing the frequency of replacements. From specialized components to essential maintenance parts, we manufacture spare parts that meet the highest standards of quality and precision.

WHY SIJ RAVNE SYSTEMS?

- Ability to offer a wide range of products and services for different industries
- A unique combination of metallurgical and engineering know-how
- Own R&D department for steel development
- Accredited in-house laboratories that perform a wide range of non-destructive tests, inspections and calibrations
- Top product quality resulting from tight integration into vertical chain, from steel-making to final product
- World-wide sales network and presence in more than 70 countries with own sales and distribution centers.



OUR PRODUCTS
HAVE EU ORIGIN

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