



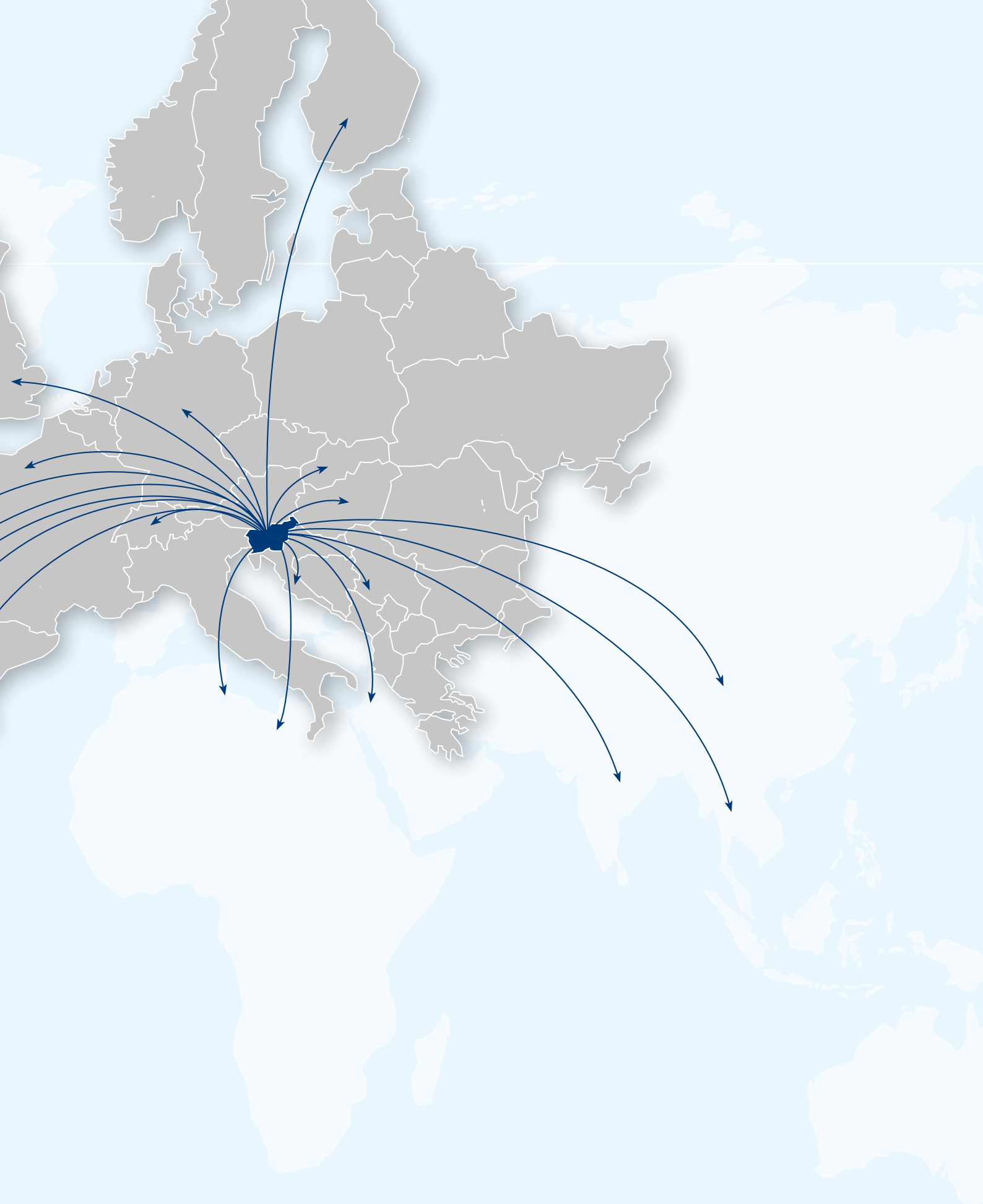
Slugs

Rondal
impol GROUP

Export to more than 30 countries worldwide



Austria
Bosnia and Herzegovina
Brazil
Bulgaria
China
Croatia
Czech Republic
Denmark
Ecuador
Egypt
Finland
France
Germany
Hungary
Israel
Italy
Lebanon
Mexico
Morocco
Poland
Portugal
Serbia
Slovakia
Slovenia
South African Republic (SAR)
Spain
Switzerland
Tunisia
Turkey
United Kingdom (UK)
United States of America (USA)



WE ARE AN EXPORT ORIENTED COMPANY. WE EXPORT MORE THAN 98 PERCENT OF OUR PRODUCTION VOLUME. OUR PRIMARY MARKETS ARE EUROPEAN COUNTRIES. HOWEVER, WE ALSO EXPORT ELSEWHERE IN THE WORLD.

2025

New automatic sawing center for
sawn slugs with diameters from
15 to 120 mm.

2023

From now Rondal offers also
slugs made from recycled
aluminum (PCR/PIR).

2019

Installation of a fully autonomous
robotic packaging line.

2017

New automatic
annealing center.

2012

Impol's acquisition
of Rondal.

2000

Rondal's own
foundry.

1962

Start of slugs manufacturing.

2025

Impol celebrates 200 years.

2022

Brand of products
with low carbon
InfiniAL.

2018

Expansion of activities
to the field of finalized/
machined products.

2016

Impol buys rolling company Impol-
TLM d.o.o. in Croatia.

2004

Impol buys a 70% share
in Impol Seval a.d. in Serbia.

1998

Impol becomes a privately owned
company.

1991

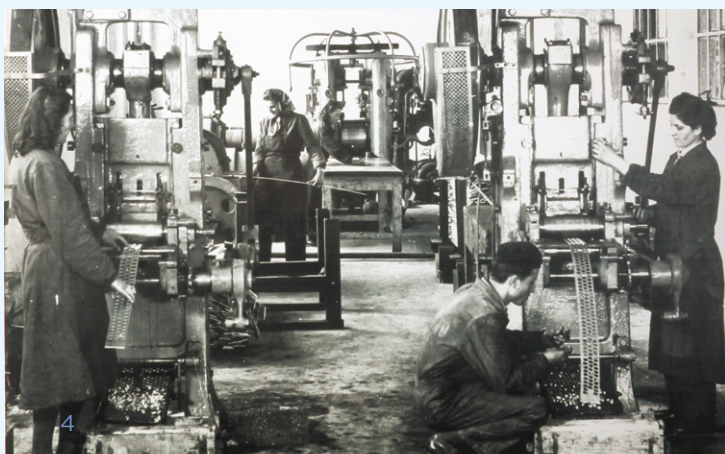
Slovenia declares independence.
Company focuses on export (80%).

1950

Transformation from copper
to aluminium.

1825

Founding of a company producing
forged copper products.



Short history of Rondal and Impol

It all started in 1962 when company Impol (Rondal's mother company) began to manufacture slugs. Following a reorganisation, this area of production was transferred to an autonomous enterprise, Rondal. During that period, Rondal was not a member company of the Impol group.

In 1995, Rondal obtained the ISO 9001 certificate, which testifies that even at that time, efficiency and customer orientation were the focus of the company.

Early in 2012, the Impol group repurchased and acquired the Rondal company. Since then, Rondal has been a member company of the Impol group.

Impol's operations are focused on processing aluminium into state-of-the-art products. The Impol Group provides a wide range of flat rolled and extruded aluminium products, which enables us to offer our customers a diverse range of products and act as a single source for all their aluminium needs. Our own foundries process the raw material, opening up endless possibilities for the further development of aluminium alloys with advanced mechanical properties. Currently, we have the capacity to produce upwards of 170 types of alloy and are continuously expanding our range. Many alloys and products are designed in collaboration with our customers as we aspire to be more than just a supplier – we want to be a partner who shapes their development and growth. Our competitive advantage is engendered in the state-of-the-art laboratories that warrant impeccable product quality.

*Enriched by Experience –
Prepared For Future Challenges.*

ISO 9001

SINCE 1995

ISO 22095

SINCE 2023

ISO 140

SINCE 2017

ISO 50001

SINCE 2023

ISO 45001:201

SINCE 2017

SA 80

SINCE 2023

IATF 16949

SINCE 2017

PED

SINCE 2017

1

Why (work with) Rondal?

Our customers enjoy product quality in compliance with the ISO 9001 and IATF 16949 quality standards.

Flexibility, quality, innovation and care for the customer are our core guiding principles. Our valued customers are satisfied with Rondal due to:

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1. FAST RESPONSE AND PROCESSING OF ORDERS

Fast response of our staff means serving you with information whenever and wherever you need them and what is even more important it reduces your stressful every day.

2. SHORT LEAD TIMES

Short lead times are very convenient if you have just-in-time production. Meeting agreed/confirmed delivery dates and fulfilling our obligations on time makes your production planning easier and more effective. In addition, all urgent orders are being taken care of in almost no time. You will not just save time, you will also save your money and have optimised processes in your company.

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3. BROAD RANGE OF PRODUCTS

With broad range of products, you have plenty to choose from and find exactly what you need or what fits into your production best. If the product is not in our range yet, we can still develop it according to all your needs. Our remarkable experiences will be of a great advantage here and you will get exactly what you have been looking for. Either way, choosing an already existing product or developing a new one, you will save your time and money.

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4. CAPABILITY OF FULFILLING SMALL VOLUME ORDERS

Some orders can be small and you have the problem of not knowing who to give them to, because some suppliers are simply not accepting them. Flexible production allows us to take also orders of smaller quantities and produce them in short time and with the same quality as if the order would be of a great quantity. By this you save your time, have no more problems with negotiating with your current suppliers if they will fulfil this kind of orders and what is the best your process can be optimised (no more excess input material in your production).

5. JOINT DEVELOPMENT OF PRODUCTS

Do you have a new project? No problem for us. We will help you to execute it in the fastest and most effective way. Our specialists will help you with developing new products according to your exact needs. You will save time, some money and of course get the desired product. Some special tools/products can be developed just for you and this will definitely increase your market competitiveness and consequently also your revenues.

PRODUCTS OF THE FUTURE

Rondal is involved in the production of high-quality semi-finished aluminium products that are in increasingly high demand due to their superior characteristics, their ability to be adapted to customer requirements, and economic trends.

GROWTH & TRADITION

Since the early 1990s, the Impol Group has been recording continuous growth in its business volume. Its recent 190th anniversary is a testament to the company's stability.

STRATEGIC POSITIONING

The company maintains a stable business environment thanks to its diversification across geographical markets, maintaining operations across several industries, a wide range of products and the right business model. Thus, it makes for a reliable business partner.

MORE THAN
14.000
TONNES OF SLUGS/YEAR



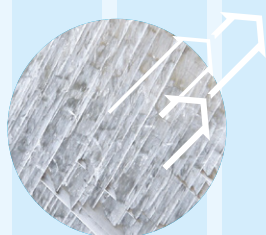
MORE THAN
75
WORKERS



MORE THAN
320
DIFFERENT TOOLS



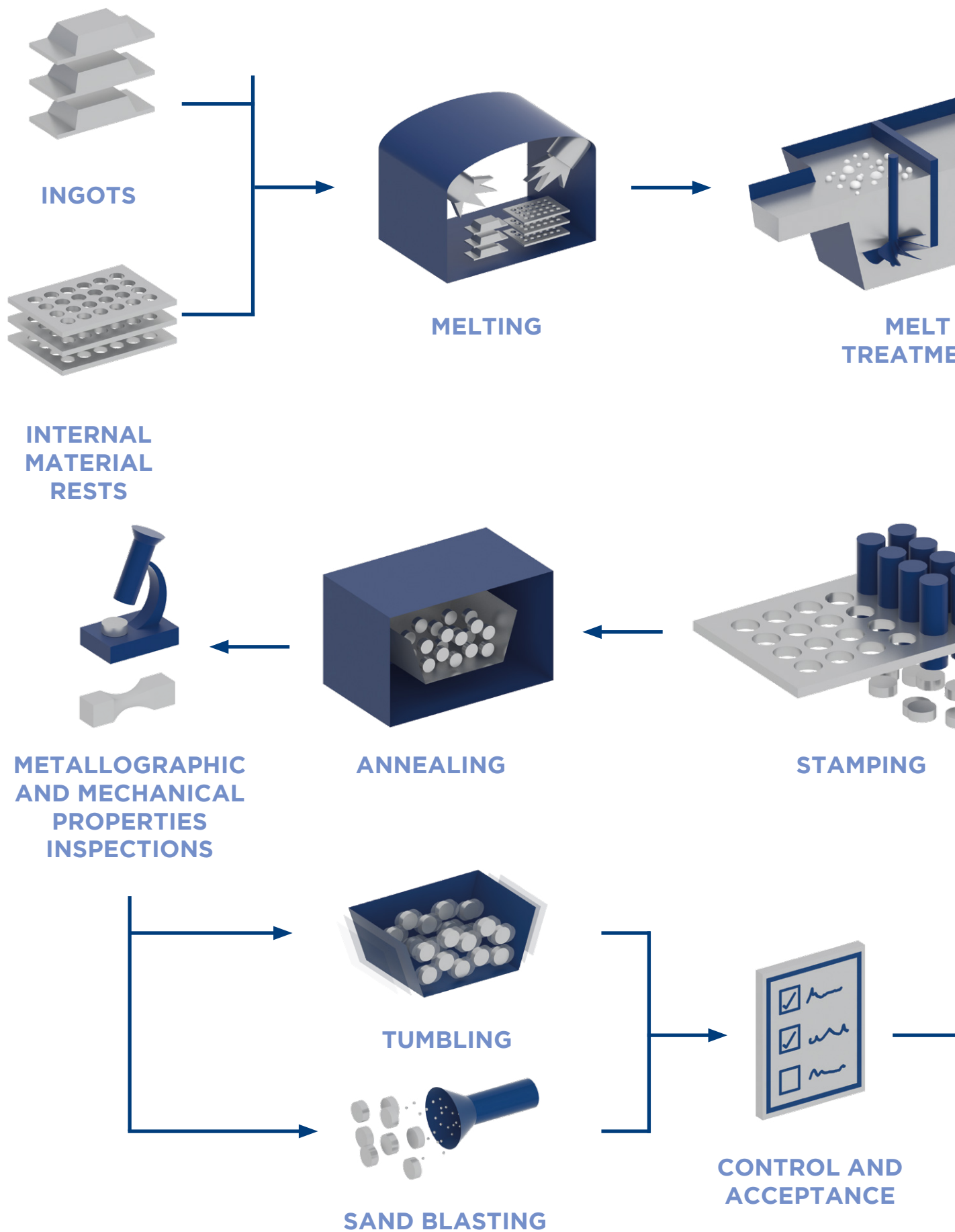
EXPORT TO MORE THAN
30
COUNTRIES WORLDWIDE

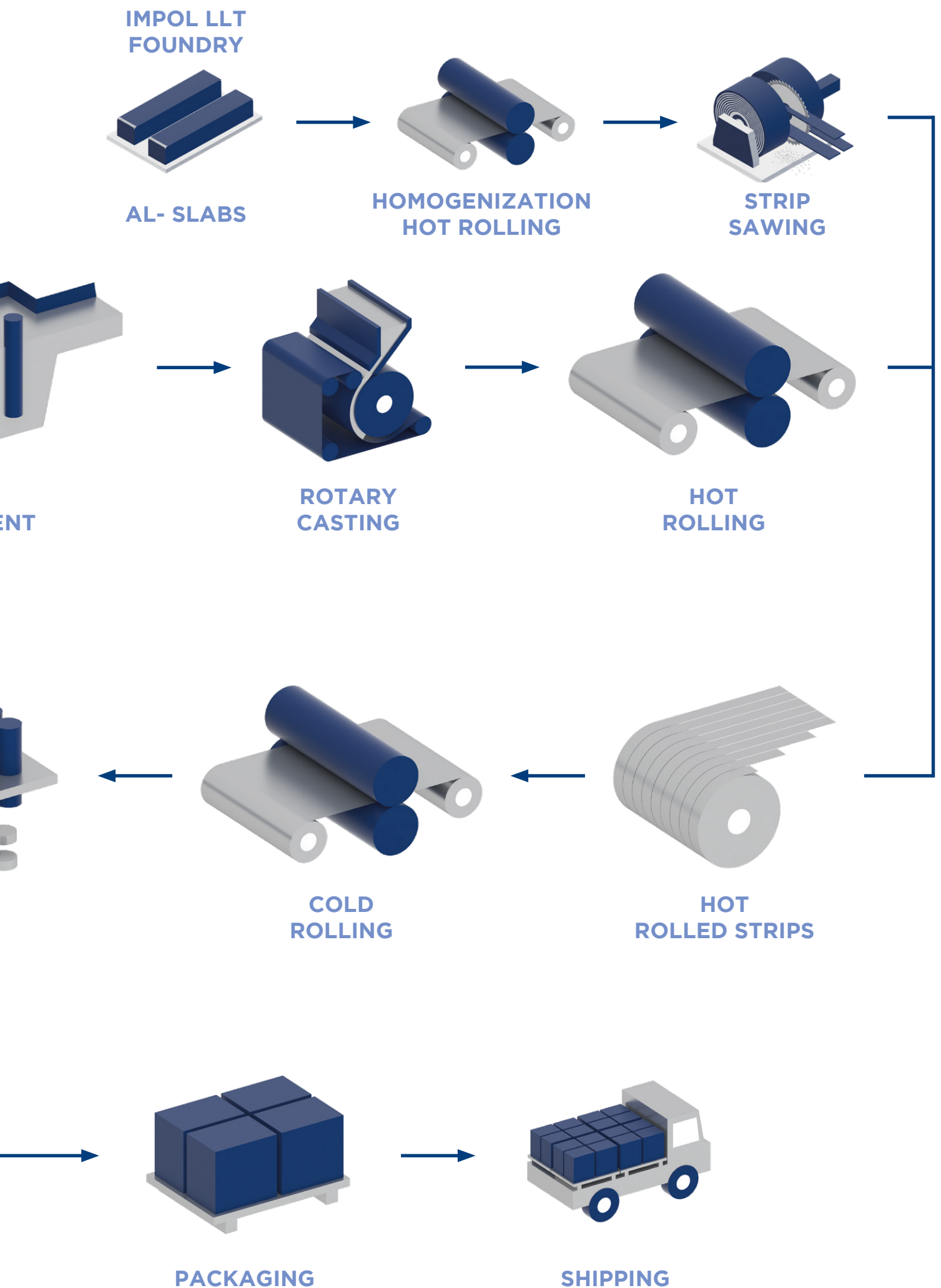


MORE THAN
3 MIO EUR
OF INVESTMENTS IN LAST 2 YEARS



Production Process









Quality and compliance of slugs with our customer's requirements are being checked at all stages of the process.





AUTOMOTIVE INDUSTRY



MACHINE BUILDING



FOOD INDUSTRY



COSMETICS INDUSTRY



ELECTRIC INDUSTRY



PHARMACEUTICAL INDUSTRY

Production and use of slugs

Rondal takes pride in a long tradition of manufacturing high quality stamped and sawn slugs from pure aluminium or aluminium alloys. Different dimensions and shapes with excellent transformation capacity can be applied in the manufacturing of tubes, aerosols and technical parts, intended for various industries.

The use of slugs is extremely widespread and diverse, because they are processed in various industries.

Slugs can be manufactured from pure aluminium and aluminium alloys. Our company adapts to different buyer requirements and thus delivers a wide range of high-quality products. We offer three different programmes:

- 1. Stamped slugs from alloys EN AW 1070A, EN AW 1050A, EN AW 3102 and EN AW 3207.**
- 2. Stamped slugs from alloys EN AW 6082, EN AW 6060 and EN AW 3003.**
- 3. Sawn slugs.**

In terms of shape, alloy and method of manufacture, we adapt to the requirements of our buyers in order to develop the product together and create customer satisfaction. We also manufacture slugs for the automobile industry, which consequently demands high quality and precision of products.

STANDARDS AND CHEMICAL COMPOSITION

We manufacture slugs from different alloys according to international standards. The chemical composition, mechanical properties and tolerances are in compliance with EN standards for various products:

- EN 573-3, chemical composition;
- EN 570, mechanical properties;
- EN 570, tolerances.

According to the customer's wishes, we arrange special properties for slugs.



*Reliability. Quality.
Sustainability.
Innovation.*

BUREAU VERITAS
Certification



Certificate

Awarded to

RONDAL d.o.o.

PARTIZANSKA ULICA 38, 2310 SLOVENSKA BISTRICA, SLOVENIA

Bureau Veritas Certification Holding SAS – UK Branch certify that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standard detailed below

STANDARD

ISO 9001:2015

SCOPE OF CERTIFICATION

PRODUCTION OF SLUGS OF ALUMINIUM AND ALUMINIUM ALLOYS

Original certification date: 24/11/1995

Certification cycle start date: 08/03/2017

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 07/03/2020

Certificate number: SL21719Q

Version number: 01 Revision date: 27/02/2017

B. Llaban

Signed on behalf of BV/CST S.A. U.K. Branch

Certification body address: 5th Floor, 66, Piccadilly Street, London, E1 8DG, United Kingdom
Local office: Ljubljana centre 49a, 1000 Ljubljana, Slovenia

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by contacting the organization.
To check this certificate validity please call: +386 4 47 37 670

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We are very adaptable when it comes to slug dimensions; on the basis of our buyer's requirements we can make a completely new tool with a short lead time, providing our client with the wanted dimension of slug.

Stamped slugs from alloys series 1000 and 3000

MANUFACTURING PROCEDURE

In our own foundry, we melt the primary high-quality aluminium and internal material rests of our own production. We do not use the secondary scrap, which might harm the quality of products. In order to achieve the appropriate composition and quality of product, the melt is alloyed, held and treated and after these processes the melt is ready for rotary casting. In our foundry we cast a narrow strip of the above alloys and of different widths. A narrow cast strip then travels through a hot rolling mill, where we reduce its thickness and coil it.

The hot-rolled coil prepared in accordance with the procedure above constitutes the input raw material for manufacturing of slugs. Further, it is cold rolled on a completely new cold rolling mill, which enables laser measurement of the thickness of strip and thus creates a quality profile of cold-rolled strip of narrow tolerances. The cold-rolled coil then travels to stamping lines. Currently, for this alloy programme we are using 5 stamping machines (120-315 tones). New high-quality stamping lines enable stamping of thicker slugs and stamping speeds of up to 300 strokes/min; in most cases they are automated, which reduces the amount of human error. Slugs then travel to the annealing furnace, where they are annealed to an appropriate hardness, whereby they achieve mechanical and formation properties enabling the buyer to transform them according to his wishes. Slugs are then also surface treated by sandblasting or tumbling, depending on customer's requirements. We are using a new sandblasting machine, which enables a more unique and higher quality surface of sandblasted slugs. Afterwards the slugs are packed and stored in a covered and closed warehouse, where they are kept before being shipped to the buyer.

ALLOY, TEMPER AND SURFACE

Alloy	EN AW 1070A EN AW 1050A EN AW 3102 EN AW 3207 EN AW 1100
Temper	O-Soft annealed. H18-Hard
Surface finish	Tumbled, Sand blasted, Without surface treatment

AVAILABLE DIMENSIONS AND SHAPE

Diameter [mm]	5.00 – 230.00
Thickness [mm]	2,5 – 17,50
Shape	Flat, Domed, Round, Oval, Rectangular, etc. Slugs with hole or without hole



We are very adaptable when it comes to slug dimensions; on the basis of our buyer's requirements we can make a completely new tool with a short lead time, providing our client with the wanted dimension of slug.

Stamped slugs from aluminium alloys

MANUFACTURING PROCEDURE

From the company within the Impol group we purchase a high-quality material in the form of hot-rolled or cold-rolled strips, made from the mentioned alloys. This material is then stamped on two newer stamping machines. With that programme we can stamp also other types of alloys and slugs up to 15,00 mm thick. This makes the technological manufacturing procedure a novelty in the market, because it allows us to make slugs from various alloys, which cannot be manufactured by casting narrow strips. Slugs, made in accordance with this manufacturing procedure with alloys are appropriate for technical parts in the automobile industry.

Stamping is followed by annealing, surface treatment and packing. According to this manufacturing process, we can, in principle, develop a number of other alloys, which are developed jointly with the buyer, if so required. The range of alloys that can be used here is very wide.

ALLOY, TEMPER AND SURFACE

Alloy	EN AW 2024, EN AW 3003, EN AW 5052, Or any other Al-alloys (series 1000, series 3000, series 6000, etc.)	EN AW 6082, EN AW 6060, EN AW 7020,
Temper	O-Soft annealed H18-Hard	T4-solution annealed T6-aged
Surface finish	Tumbled, Sand blasted, Without surface treatment	

AVAILABLE DIMENSIONS AND SHAPE

Diameter [mm]	5.00 – 230.00
Thickness [mm]	2,5 – 19,50
Shape	Flat, Domed, Round, Oval, Rectangular, etc. Slugs with hole or without hole



Sawn slugs

MANUFACTURING PROCEDURE

The third programme is the manufacturing of sawn slugs, which are sawn from pressed or drawn bars, which enables different tolerances per diameter of sawn slugs. This programme covers the manufacturing of sawn slugs from all types of aluminium alloys and of different diameters and thicknesses. We saw slugs ranging from thicknesses of 11.00 mm to 300.00 mm or more, and diameters of sawn slugs range from 15.00 to 120.00 mm. Sawn slugs are sawn on custom-made highly productive and quality saw, which enables precise cutting of different thicknesses. Its advantages are precision and quality of cut. Sawn slugs are then annealed by various annealing programmes, depending on buyer's requirements, and surface treated by sandblasting, which is followed by packing and storage.

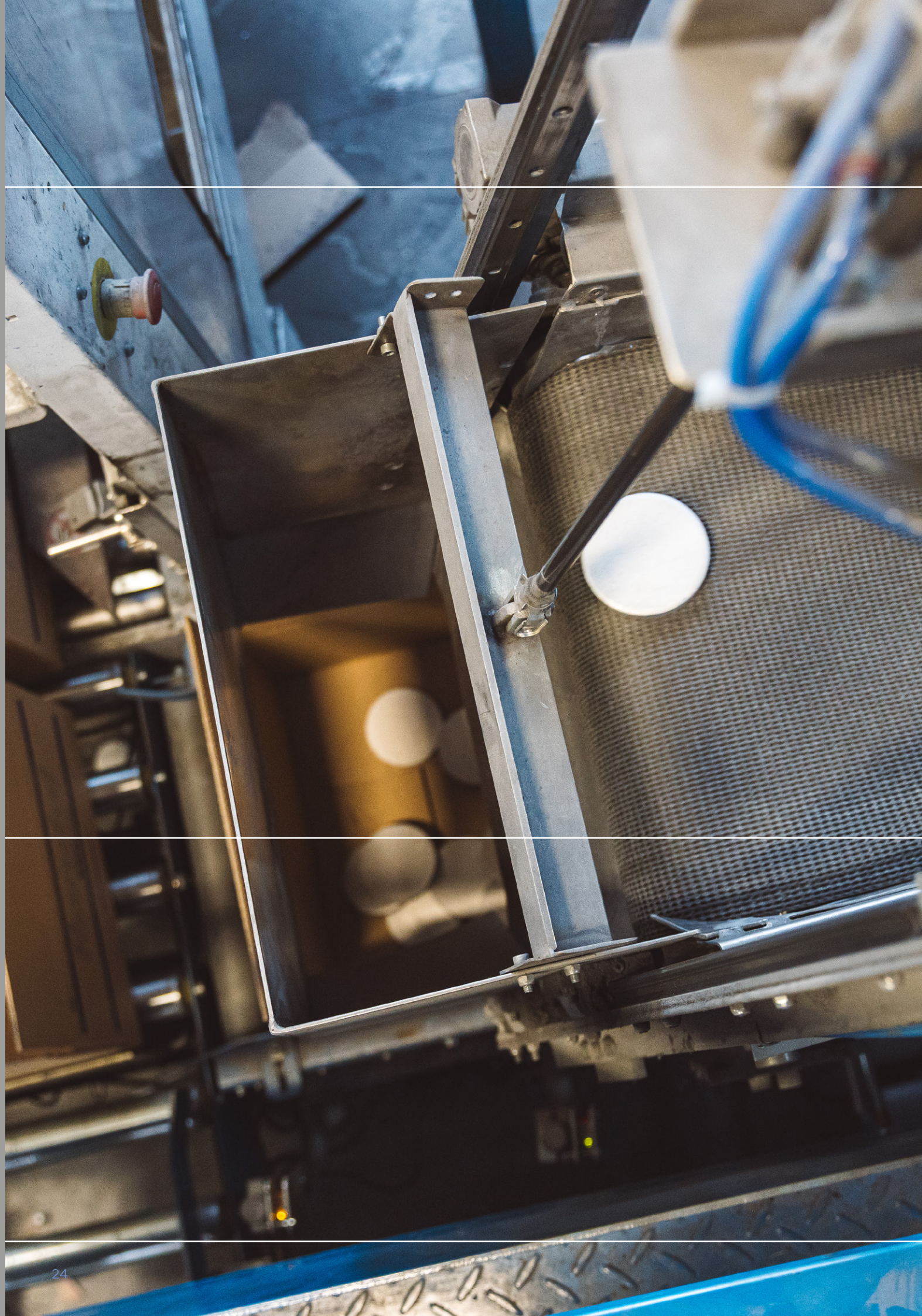
The advantage of this programme is the manufacturing of sawn slugs from different types of aluminium alloys and of different dimensions. On the basis of the buyer's requirements, we jointly develop slugs.

ALLOY, TEMPER AND SURFACE

Alloy	Any aluminium alloy
Temper	O-Soft annealed H18-Hard
Surface finish	Tumbled, Sand blasted, Without surface treatment

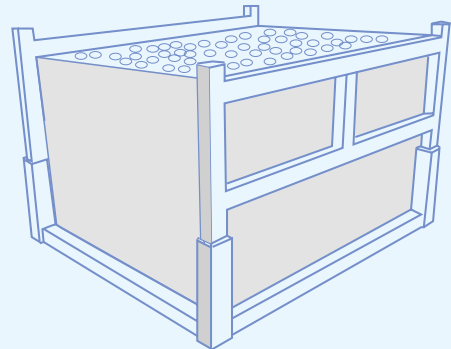
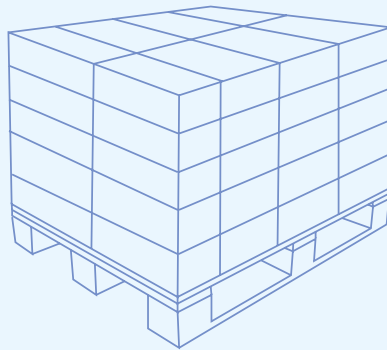
AVAILABLE DIMENSIONS AND SHAPE

Diameter [mm]	15,00 – 120,00
Thickness [mm]	11,00 – 300,00



Packing

Our products are packed according to the customer's wishes and our capabilities. Rondal's standard packing methods include **packing slugs in cardboard boxes, approx. 25 kg in weight, which are piled on wood pallets**. Pallet is then covered with PE foil and wrapped with stretch foil. **Special packing in metal boxes is also available** on agreement.



ORDERING

For a quicker response to your inquiry we kindly ask you to provide us with the following data:

- Dimension
- Alloy
- Temper (O or H18)
- Surface Treatment (Tumbled or Sand Blasted)
- Shape (Flat or Domed)
- Quantity
- Requested lead time



Seven Pillars of Social Responsibility



SUSTAINABLE PRODUCTS

Aluminium is the metal of the present, and even more so “the metal of the future”, as acknowledged by several goods manufacturers. Lighter than steel, aluminium possesses excellent processing characteristics and is better at absorbing force. Using aluminium in cars allows manufacturers to reduce the vehicle weight by 40%, which in turn helps reduce fuel consumption and thus pollution. Even the construction industry – using up a quarter of the world’s aluminium production – acknowledges the positive effect aluminium has on reducing energy consumption. Aluminium lends itself very well to being used as a packaging material, reducing the weight of packaged food and providing excellent protection. As a matter of fact, aluminium saves more energy resources than it consumes. It is also worth noting that aluminium is a modern material that is essential in modern architecture and design guidelines.



AN INNOVATIVE BUSINESS MODEL – MOVING TOWARD A CIRCULAR ECONOMY

In a time marked simultaneously by hyperproduction and limited resources, awareness about the importance of environmental protection and the preservation of natural resources has taken centre stage. For this reason, many companies are set on establishing a circular business model that allows for the reuse of resources. This is what aluminium and secondary aluminium are all about – infinitely reusing source materials that are able to preserve their original characteristics.



RECYCLING

Recycled aluminium loses none of its original properties. Aluminium possesses a high internal material value, which is why it makes economic sense to return it into the loop that encompasses metal extraction, use and recycling. Unlike many other materials, aluminium can be re-melted and reused multiple times without compromising its quality. Correct waste separation plays an important role in recycling. The Impol Group is highly invested in adequately training its employees and educating the general public about the importance of recycling in order to preserve the environment.





RESPONSIBILITY TO NATURE

Reducing pollution is one of the essential business objectives of the Impol Group; an investment programme is prepared and implemented annually to this end. Over the last three years, we have spent more than two million euros on investments in environmental protection. A solar power plant is one of the largest among these investments. On a related note, we also invest in various projects intended to improve the quality of life in the local environment



RESPONSIBILITY TO OUR LOCAL COMMUNITY

The Impol Group is one of the biggest employers in Slovenia and has received several regional best-employer awards, thereby exercising significant influence over the quality of life of the local population. Its concern for the local environment is demonstrated in a myriad of activities, i.e. sponsoring associations and local events, helping the municipality develop, supporting the development of local educational programmes etc. In 2016, the Impol Group earned the prestigious title of top employer in the region.



RESPONSIBILITY TO OUR EMPLOYEES

Responsibility to our employees is demonstrated primarily by our commitment to provide fair payment for a job well done. At the same time, we organise various events for our employees designed to encourage affiliation and loyalty, facilitate knowledge transfer, promote health awareness and create an overall positive climate within the organisation. Special emphasis is placed on employee training and education, encouraging innovative suggestions and preventing work accidents.



LOOKING FORWARD

Steeped in 190 years of tradition, the Impol Group is one of the oldest Slovenian companies and one of the largest exporters in the country. The management makes it a point to highlight the company's forward-looking strategy, which is also reflected in its commitment to long-term plans for its development and growth.



*Welcome to our World of
Aluminium, Innovations
and top Quality Products.*





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