PERFECTION IN STAINLESS STEEL

DESIGN • MANUFACTURING • ASSEMBLY • COMMISSIONING • SERVICE

TECHNOLOGY ®

02

ABOUT US

If everyone is moving forward together, then success takes care of itself.

Henry Ford

Our company was established in 2006, and today almost 450 employees fulfill their professional ambitions – in Poland and abroad. Together we work on the implementation of ambitious projects, on the improvement of processes and on a lasting relationship with our customers, based on close cooperation. Knowledge and experience in the innovative processing of stainless steel are our most important tools. The complex tasks entrusted to us enabled the stable development of the company and the effects strengthened our position on the market of manufacturers of technological installations and equipment as well as assembly and welding services.

On the following pages you will learn more about what RStechnology can do for you, why real cooperation is not done with a mouse click and how it happens that your product is ready but we will stay in touch.

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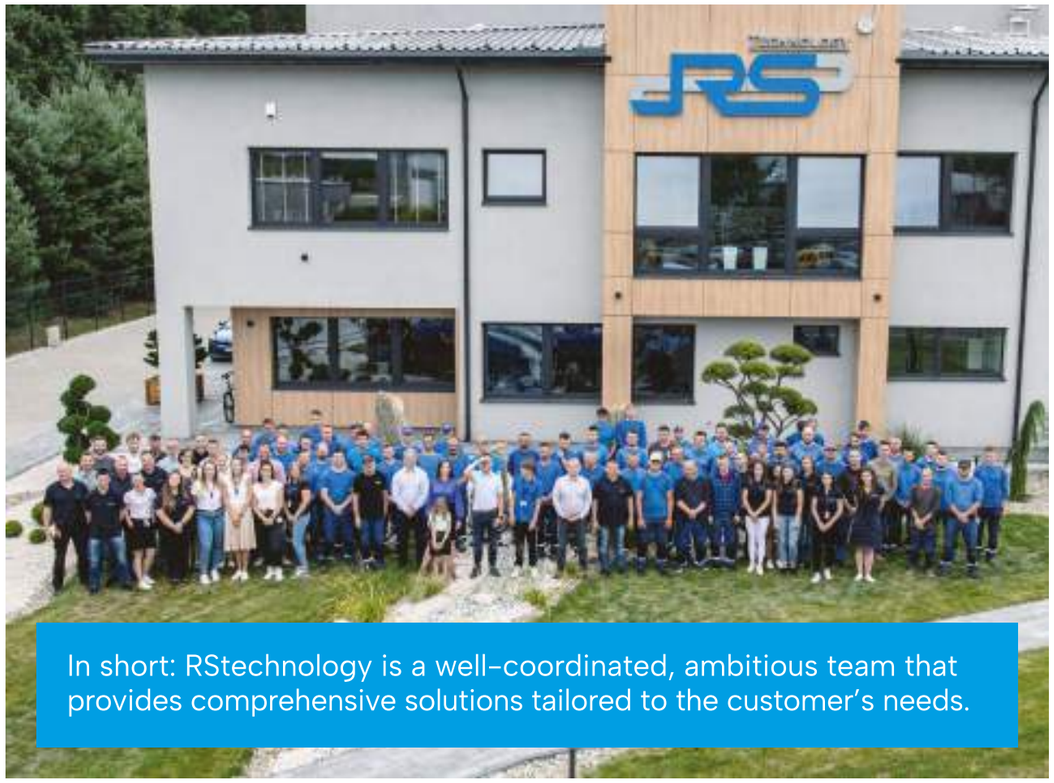
LET US DISCOVER THE CARDS: RSTECHNOLOGY, SO WHO?

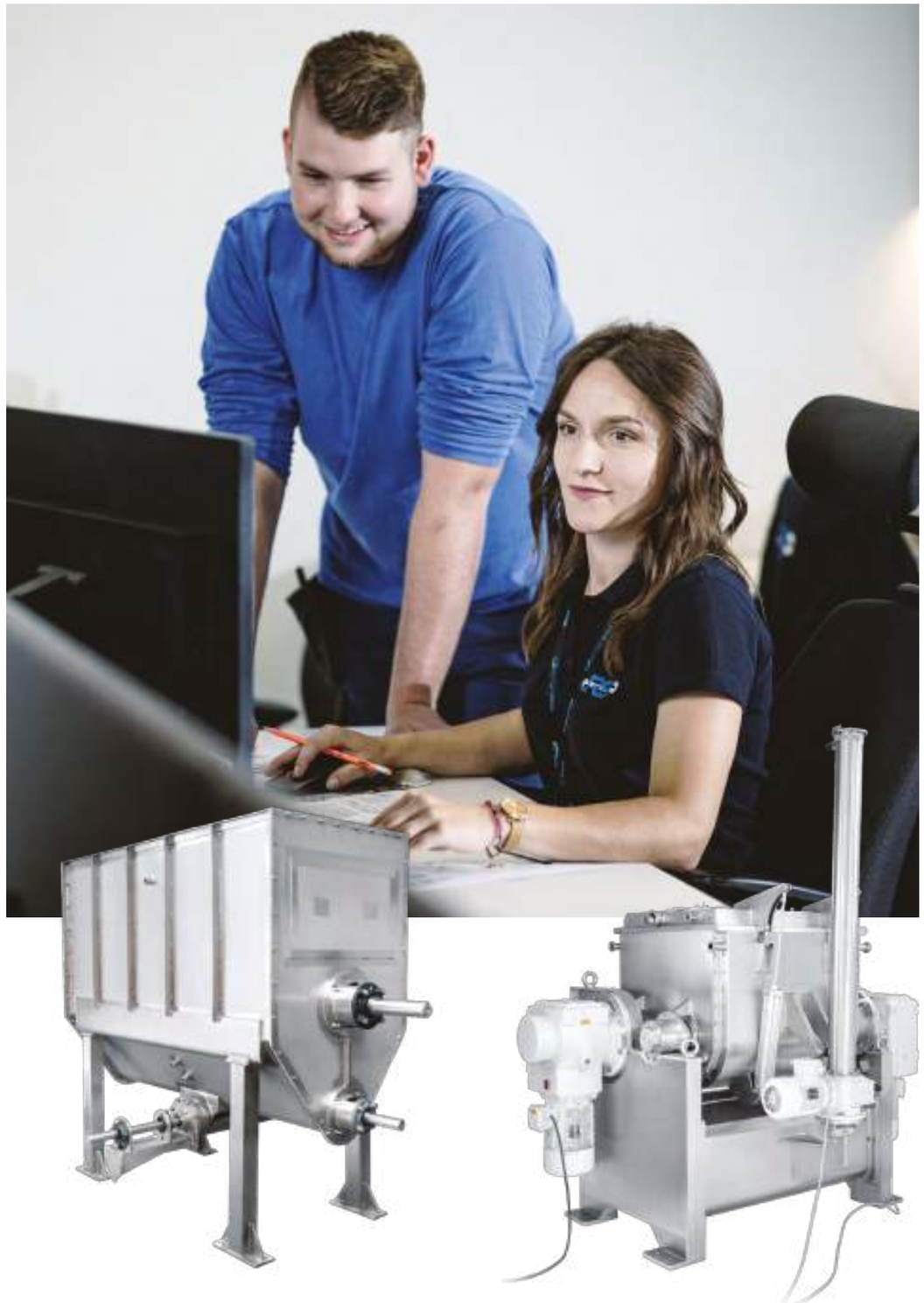


In short: RStechnology is a well-coordinated, ambitious team that provides comprehensive solutions tailored to the customer's needs.

There are companies that can say about themselves: „we brew beer" or „we make excellent cars". With us – it is different. We do everything, provided that it is made of metal sheet, stainless steel or acid resistant steel. Regardless of the industry.

RStechnology is a specialized staff of welders and assemblers holding TUV, UDT licenses in accordance with PN-EN 9606-1. We offer comprehensive service from the design phase, through production, assembly, commissioning, to supervision over the installation and maintenance of production plants.

RStechnology also includes employees of the electrical and automation department. They are authorised by the SEP Group. They, with the help of our programmers, are able to „breathe spirit" into the devices that we produce for you.



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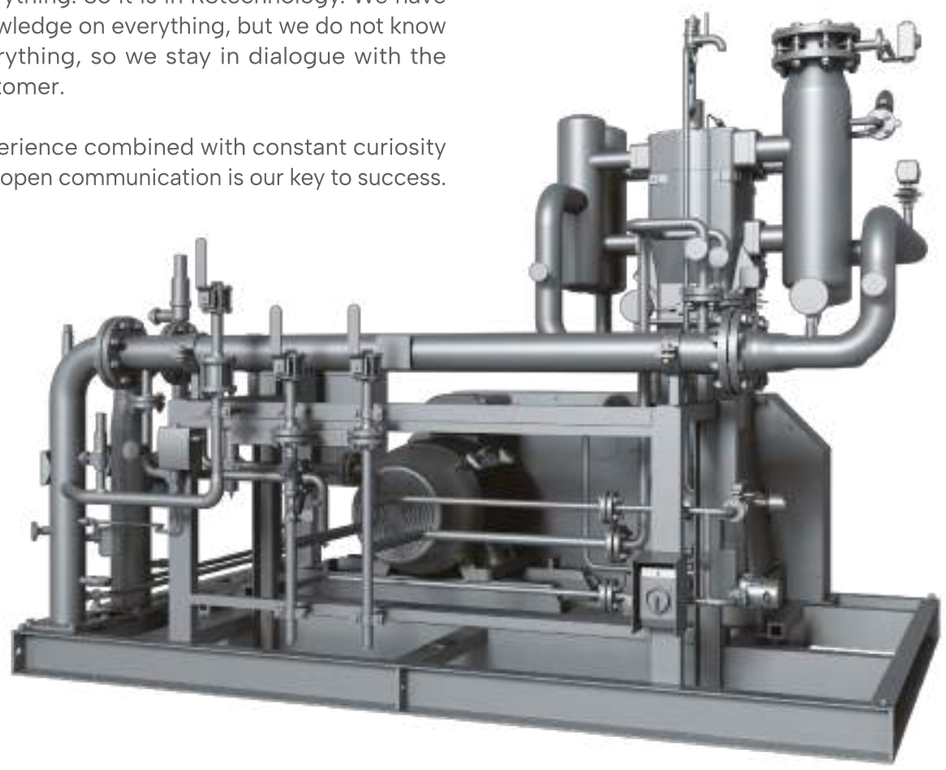
A mind is like a parachute.
It doesn’t work if it is not open.

Frank Zappa

LIMIT OURSELVES TO ONE INDUSTRY? NOT US.

We know that if you do not want to specialize in just one industry, you have to know everything. So it is in RStechnology. We have knowledge on everything, but we do not know everything, so we stay in dialogue with the customer.

Experience combined with constant curiosity and open communication is our key to success.



Fat and meat **Industry**

Fruit and vegetable **Industry**

Chemical **Industry**

Dairy **Industry**

Pharmaceutical and cosmetic **Industry**

Confectionery and Chocolate **Industry**

Energy **Industry** (heating plants, power plants)

Spirits and brewing **Industry**

Food **Industry**

Individual **Projects**

WHO TRUSTED US?

Over the years, RStechnology has become one of the leading companies in the industry in Poland and is recognized on the international market. We present selected customers who trusted us.

What are we especially proud of? 9 out of 10 of our customers that use our services are our regular customers.

Are you interested in detailed references from a specific industry? Please contact us.

info@rstechnology.pl
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Industries

food

chemical

pharmaceutical

industrial

energy

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PILLOW PLATE

Thanks to their geometric flexibility, heating and cooling jackets can be adapted to almost any geometry to ensure targeted heat transfer where needed.

The world is changing and so are we. Moreover, in some areas we are the initiators of change. This was the case with heating and cooling jackets. We were aware of certain needs, and now we know how to respond to them.

Using modern construction solutions, we obtain better heat transfer parameters than in the solutions used so far. At the same time, we keep the same parameters of the heat factor. Pillow Plate is two sheets of stainless steel, which we weld in laser chambers. We connect two flat sheets with a weld over the entire designated area. The outer contour is laser welded continuously, forming a tight whole and at the same time a pressure limit.

Same processes, two Pillow Plate variants? That is correct, let us explain.

Single-embossed **sheets**

They consist of two sheets of different thickness. The lower, thicker sheet is in contact with the product, the upper sheet is hydraulically expanded. A heating and cooling factor flows in the space between the sheets.

Double-embossed **sheets**

They consist of two sheets of metal of the same thickness. Hydraulic buckling causes the so-called cushions to be formed on both sides.

Do you have any questions?
We have answers. ›

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PROCESSES IN A NUTSHELL

Technical Department

- Projects
- Creation of technology
- Process and product supervision
- Strength calculations and selection of materials

Quality Control Department

- NDT-VT, PT, UT tests
- Analysis of the chemical composition of the material

Production Department

- Rolling
- Spinning
- Automated TIG/PLASMA welding
- Manual TIG/MIG welding
- Orbital welding
- Grinding
- Assembly
- Peening
- Digestion

Assembly Department

CNC Production Preparation Department

- Turning
- Milling
- Laser cutting
- Waterjet cutting
- Bending
- Surface grinding
- Tees production

Pillow Plate Department

- Projects
- Calculation of flow and heat transfer
- Strength calculations
- Laser welding
- Line for uncoiling and cutting

PROCESSES IN A NUTSHELL

IN THE WORDS OF OUR EXPERTS

Grinding

In this process, we remove the excess weld, smooth and obtain appropriate roughness of the entire surface of the elements. It is important that no contaminants remain on the surface. Let us get a tank for the pharmaceutical industry. If we do not obtain a surface with the appropriate roughness, this tank will not undergo „washing" (e.g. there is a vaccine in the tank, the customer wants to reuse it, so it needs to be washed, and if there is an inadequate roughness, previous products are stuck on the walls and the tank is not reusable). Being an expert in this area requires manual skills – showing someone how to grind a given element does not mean that he will do it well – you need to have sense in your hand.

Ryszard

Peening

The task of ball peening is to standardize the surface and its matting. Here – as in the case of grinding – you need to have sense in your hand. The process of ball peening is time-consuming and the person performing a given order must be patient. After receiving the element for ball peening, we check its surface and based on it we select the appropriate materials to achieve the desired effect. The secret of success is the material with the right granulation, the right pressure and the angle at which we work.

Maciej

Cutting sheet metal from a coil

The process is carried out automatically on the cutting line, however, it requires the operator to know the operation of the panel and to select the appropriate parameters. The metal coil is placed on the loading table, after which the uncoiler transports it to the centering system. This is controlled manually – we need to center the sheet in relation to the entire line so that it does not move. After centering, the material goes to the straightener. Based on the documentation, we set its parameters so that it „compresses" the material and straightens any imperfections.

The metal sheet goes from the straightener to the wrapper – here, according to the customer's requirements, the material is covered with foil on both sides, on one side or not at all. The final stage is the transverse shear. At the start, the shear cuts off the initial piece (called the reference cut), which sets the zero point of the material. The length required for the order is calculated from this place.

Adam

Logistics

We also deal with full logistics of orders. When we know where the order is going, we know its size and weight, we talk to potential carriers. After the negotiations, we choose the best transport offer, write down the order and, after determining all the details, we implement it and we monitor its loading and unloading.

Tomasz

Pillow Plate Laser Welding

The operator of the Pillow Plate laser receives elements previously prepared by the cutting lines. He arranges them together (one on top of the other), usually the thicker element goes to the bottom, although sometimes they both have the same thickness. Preparation of elements is carried out manually. When we are ready, the laser door closes, we run the program, and the rest of the process goes automatically. The operator ensures that the entire process is carried out correctly and, after its completion, initially verifies the quality of the welding performed. Finally, the whole element is thoroughly verified in the quality control process.

Jakub

Welding

In our company, we practice four different welding methods: TIG with argon shield, MAG, plasma welding and laser welding. The first method is used for welding stainless steel components, for the pharmaceutical, food, chemical industries, etc. It is characterized by high quality of welds and high visual aesthetics. It is one of the most precise welding solutions. The MAG method is used for welding constructions. Thanks to plasma welding, we can achieve full melt with a sheet thickness of up to 10 mm. It is a very stable process. I believe that it is more complicated than the other two – it requires knowledge of all the parameters that are involved in the welding process.

Konrad

Assembly

Depending on the arrangements and dimensions of a given order, we can perform complete or partial assembly, in our hall or at the customer's, in Poland or outside its borders.

Janusz

Quality Control

This department has recently developed strongly. We have developed our own control system, which allows for even more detailed supervision of production processes. Our team consists of experienced employees and a department manager. We have qualifications for NDT tests according to EN ISO 9712 – 2nd degree visual and 2nd degree penetration tests.

The work of the quality controller is spread over time and related to the entire production process, from the control of purchased materials through production, where inter-operational control is carried out, to the production of the finished product, which is subject to final control. A report is prepared at each stage. All inspections are carried out on the basis of technical documentation developed by our constructors. Every day at the work of the quality controller, we use specialized tools such as: spectrometer, endoscopic camera, measuring arm, roughness meter, thickness meter, thermal imaging camera, etc.

Dawid

RSTECHNOLOGY IN A NUTSHELL

We also have the tools to perfectly implement your idea. We carry out all processes in-house, therefore high quality goes hand in hand with timeliness.

Company area and staff

4000 m² of production area

1500 m² of warehouse area

1200 m² of office area

450 production and office workers

What makes our job easier?

Modern machinery, software and social facilities create optimal conditions for us to focus on our tasks.

More information ›

CERTIFICATES AND LICENSES

Manufacturing standards:

TUV Rheinland
ISO 9001:2015

TUV Rheinland
EN 1090-2:2018

TUV Rheinland
EN ISO 3834-2:2005

Quality and control management are essential for the highest quality of our products. We know this and constantly optimize our production and administration processes.

If you want to know more details, please contact us:

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