

PERFECTLY POSITIONED TO MEET YOUR NEEDS

GROUP
DERUSTIT

Oberflächentechnik

We add value to stainless steel.

CLEAR OBJECTIVES AND RESPONSIBILITY

We are a strong and innovative company that supports you in a competent and solution-oriented way in all matters relating to chemical and electrochemical treatment of stainless steel.

Our goal: We want to be the best. As your DERUSTIT Group service providers we guarantee that you can rely on this high standard:

Deutsche Derustit GmbH

Edelstahlbeizerei Eisleben GmbH

DH-Oberflächentechnik GmbH Derustit-Pirna

Vecom-Derustit GmbH

Derustit Holland B.V.

Derustit Gelderland B.V.

Our claim is a fact: Since it was founded in 1953, the DERUSTIT Group has always developed positively and innovatively. We plan in a long-term, strategic and down-to-earth way. As a result we are always able to provide our customers with the best solution for their particular application. The employees of the DERUSTIT Group are highly qualified and motivated – and the best motivation for and proof of our performance are our satisfied customers.





CONTENTS

TOGETHER WE ARE UNBEATABLE ... 4

RANGE ... 6-7

DEUTSCHE DERUSTIT GMBH DIETZENBACH ... 8-9

DH-OBERFLÄCHENTECHNIK GMBH DERUSTIT-PIRNA ... 10-11

EDELSTAHLBEIZEREI EISLEBEN GMBH ... 12-13

VECOM-DERUSTIT GMBH HAMBURG ... 14-15

DERUSTIT HOLLAND BV, HEERENVEEN ... 16-17

DERUSTIT GELDERLAND BV, WINTERSWIJK ... 18-20

TOGETHER WE ARE UNBEATABLE

You will always find a member of all DERUSTIT Group nearby. Our employees at all sites are there for you and will find the best solution for you. You will benefit from the stability, experience and technological competence of the DERUSTIT Group.

You will have your own contact person who will quickly, flexibly and competently deal with any of your issues until everything is solved to your full satisfaction.

It is important for us that you feel you are in good hands with DERUSTIT.





VECOM-DERUSTIT GMBH HAMBURG

SCHLENZIGSTRASSE 7
D-21107 HAMBURG



DERUSTIT HOLLAND B.V.

IT DOK 1
NL-8447 GL HEERENVEEN



DERUSTIT GELDERLAND B.V.

KONINGSWEG 223-225
NL-7102 DT WINTERSWIJK

QUERFURTER STRASSE 7
D-06295 LU. EISLEBEN



EDELSTAHLBEIZEREI EISLEBEN GMBH



DEUTSCHE DERUSTIT GMBH DIETZENBACH

EMIL-V.-BEHRING-STRASSE 4
D-63128 DIETZENBACH

DH-OBERFLÄCHENTECHNIK GMBH DERUSTIT-PIRNA

KUNSTSEIDENSTRASSE 1
D-01796 PIRNA



PICKLING

ELECTROPOLISHING

CHEMICALS

INSTALLATION ENGINEERING

GRINDING

GLASS BLASTING

QUALITY, WHAT ELSE?

PICKLING



Pickling is used to remove all impurities from stainless steel surfaces with the objective of obtaining a pure metal surface. A protective passive layer can only be formed on such pure metal surfaces.

Scale and heat tints are not passive and are thus potential points of attack for corrosion. The same goes with ferritic residues, which are practically inevitable during production, particularly on construction sites. The pickling process for which special chemicals are used results in metallurgically pure surfaces.

Passivation can only be done on pure metal surfaces. This means that passivation is always the second step after a pickling process. Passivation is the formation of the protective passive layer. This layer can be formed in a natural way caused by humidity and oxygen (which takes days) or with passivation chemicals (oxidation agents, allowing passivation within minutes).

As there is a risk of corrosion until the passive layer is completely formed, it is recommended to choose the chemical way.

ELECTROPOLISHING



The surface quality of stainless steel equipment is very important because of direct contact with the product. Electropolishing significantly improves integral properties of your equipment. Very shiny, almost inert stainless steel surfaces arise from the electrochemical process. Electropolished surfaces are also very suitable for decorative purposes.

The **advantages** of electropolished surfaces in comparison to mechanically processed surfaces are obvious. By removing the microroughness, the actual surface is reduced by up to 80 %. Embedded impurities are removed, as are little defects.

Highlights:

- Metallic purity and passivity
- Micro and macro deburring
- Best possible resistance to corrosion
- Low product adherence
- Favourable cleaning properties
- Free from particles
- Process neutrality
- Decorative and attractive appearance

CHEMICALS



DERUSTIT pickling chemicals and electrolytes are based on decades of experience from use in our own operations. They are developed and controlled in our laboratory and produced in our factory.

All pickling products and electrolytes prove themselves on a daily basis. They are modified continually to meet the latest technical requirements. If required, we support our customers in the maintenance and optimization of their pickling and electropolishing baths.

INSTALLATION ENGINEERING



In collaboration with renowned special companies we plan and deliver complete pickling and electropolishing equipment for you.

We also deliver the required environmental protection equipment, extractor fans and air washers.

Installations for stainless steel surface treatment using nitric and hydrofluoric acid are subject to approval in accordance with the Federal Emission Protection Act, if the bath volume exceeds 1 m³.

GRINDING



By grinding stainless steel, we obtain visually and functionally good quality surfaces with a defined roughness as required in some industries, particularly the pharmaceutical industry. Treatment to give surfaces a mirror finish for decorative purposes is also available.

A defined stepwise grinding process with finer and finer grains, which is perfectly executed by our experienced specialists, is essential as a pretreatment for high quality electropolishing.

GLASS BLASTING



Glass blasting is a mechanical surface treatment that is particularly well suited for achieving an equal and even look. Welding spray, rust, scale and annealing colours are easily removed. With this treatment the surface is not only cleaned but also solidified so that the resistance against tension crack corrosion is increased. The smooth and hygienic surface properties resulting from this treatment are interesting for the food and chemical industries in particular.

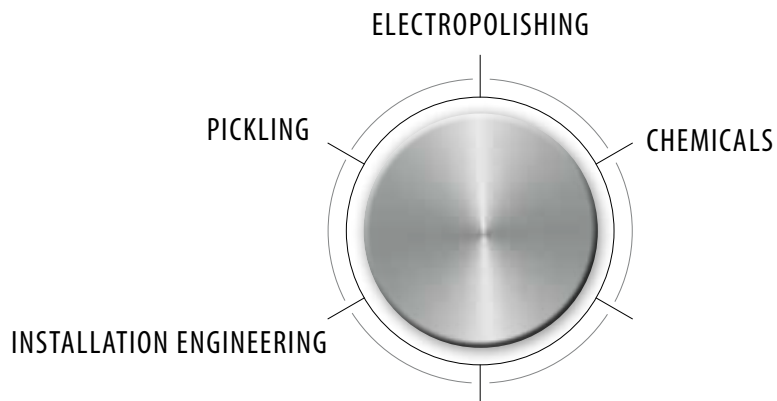
The blasting product, which is completely free from ferrites, is used in a closed cabin and is fully recycled.

DEUTSCHE DERUSTIT GMBH DIETZENBACH



Deutsche DERUSTIT GmbH, located in Mid-West Germany, is the nucleus of the successful DERUSTIT Group. The processes for stainless steel surface treatment are developed, tested and modified here to meet the constantly changing technical requirements.

In Dietzenbach electropolishing is carried out mainly for pharmaceutical production, sterile technology and the food industry.





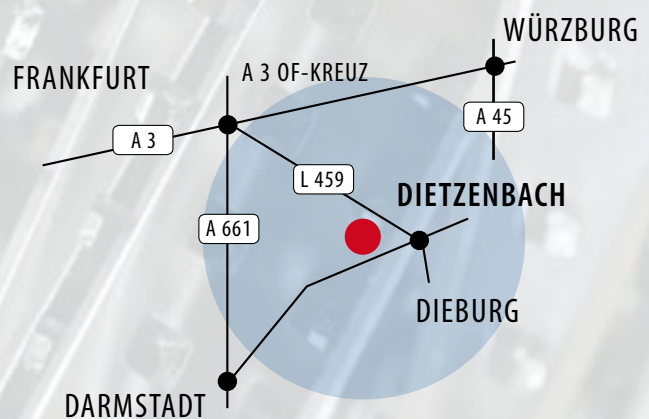
With our service you achieve high quality products and product safety. You significantly reduce cleaning and sterilisation expenses.

Chemical equipment or special machines for example in the paper industry get higher efficiency because cleaning times can be significantly reduced and cleaning intervals are prolonged.

We also specialise in internal electropolishing of pipes and in anodising titanium.

State-of-the-art exhaust air units and waste water systems ensure that our factory meets the most recent environmental regulations.

Our outstanding well-equipped laboratory monitors the process baths, controls chemical production and solves special surface problems, particularly with regard to exotic materials.

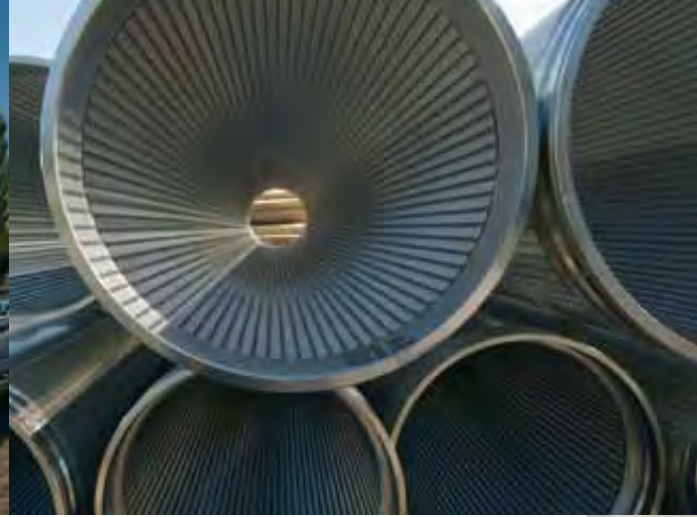


Our services in Dietzenbach:

Bath pickling: 6 x 2 x 2 m | 1 x 8 x 1,5 m | 3,5 x 2,5 x 1,8 m
 Spray pickling: up to diameters of Ø 3,5 m – max. 20 tons
 Bath electropolishing: 5,5 x 2,2 x 1,8 m | 1,5 x 3 x 1,5 m
 1,5 x 12 x 1,5 m

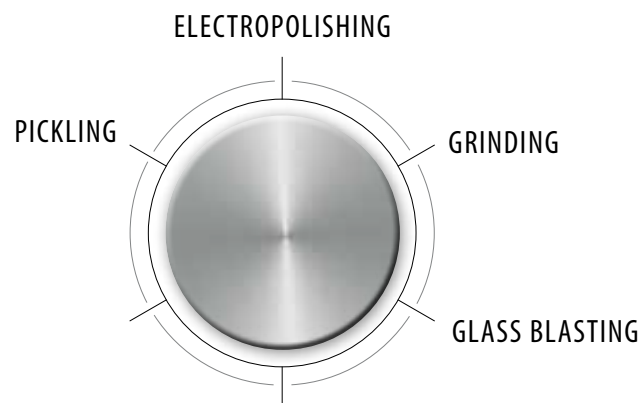
On-site electropolishing: unlimited
 Pipe electropolishing: from 6 mm internal diameter

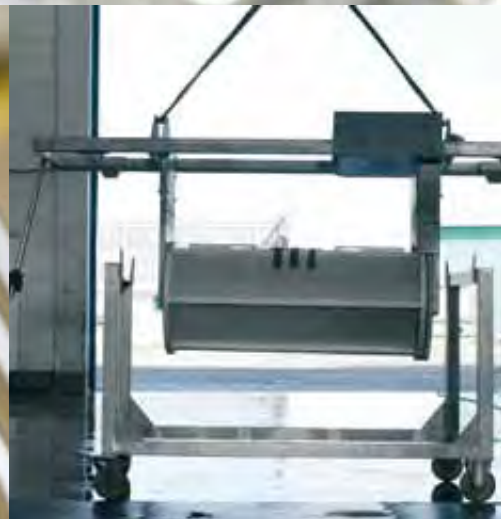
EDELSTAHLBEIZEREI EISLEBEN GMBH



Edelstahlbeizerei Eisleben, strategically located in the chemistry triangle Leuna-Bitterfeld-Leipzig, has been providing surface treatment using DERUSTIT processes since 1992.

Our special knowledge of pickling at building sites makes us a sought-after partner for industrial customers worldwide. Our large factory with two 8 ton portal cranes makes it possible to handle even very big components.

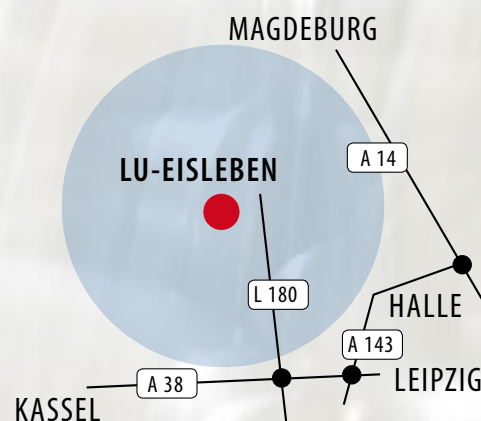




Our speciality in the **Eisleben** factory is pickling and phosphating C-steel constructions. Pickling equipment for rotary pickling for small stainless steel parts is also available in Eisleben.

Our **Artern** subsidiary specialises in electropolishing and mechanical surface treatment (grinding, glass blasting).

This process is particularly well suited when optical appearance is important.



Our services in Eisleben:

Bath pickling: 10 x 2,5 x 1,8 m
Spray pickling: 24 x 5 x 5 m

On-site pickling: interior and exterior surfaces by spraying
interior areas in sprinkling process, pipe systems in circulation process

Our services in Eisleben-Artern:

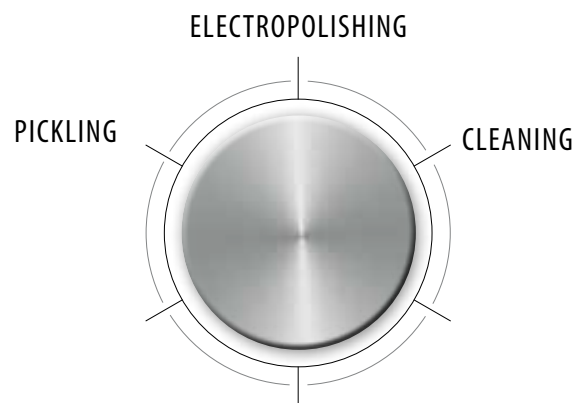
Bath pickling: 6 x 1 | 4 x 1,3 m
Bath electropolishing: 3,5 x 2 x 2 m | 2 x 1 x 1,3 m
1 x 0,5 x 0,6 m

Glass blasting: 4 x 2,5 x 2,5 m
injector blasting equipment for small parts
Grinding: containers, pipes inside and outside, also available on-site
Sheet metal, sheet metal moulded parts



DHO was founded in 1992. Since 2001 it has been active in Pirna, in a large factory complex that is equipped to meet the latest standards. Proximity to the high-tech operations in the Dresden area has made DHO a sought-after partner for very demanding pickling and electropolishing applications.

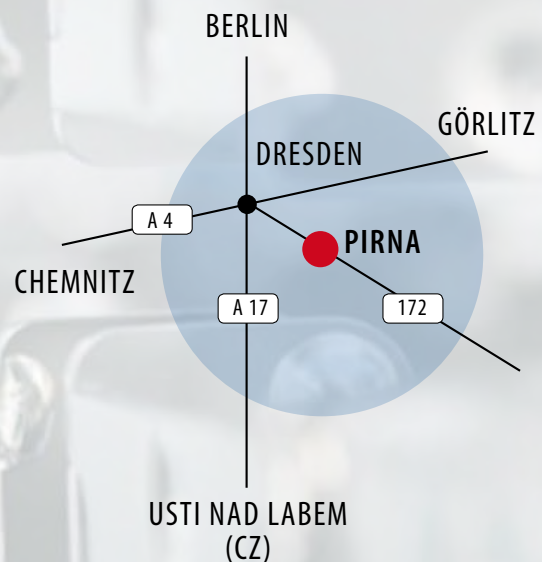
There is also an automatic electropolishing facility for mass-produced parts.





We specialise in on-site pickling and cleaning of pipes and vessels, particularly in the fields of pharmaceutical or food processing companies. Cleaning, electropolishing and pickling, can also be done on-site and are carried out environmentally sustainable.

We advise you on the generation, improvement and maintenance of the functional properties of stainless steel surfaces depending on choice of steel grade, fabrication methods, and handling conditions. We support you in the correct use of chemicals and equipment, and give advice on occupational health and safety as well as environmental protection.



Our services in Pirna:

Bath pickling: 6 x 2,5 x 2 m | 6,4 x 1,5 x 0,5 m

Spray pickling: 20 x 4 x 4 m

Circulatory pickling: 20 x 5 x 4,5 m

Bath electropolishing: 4,9 x 2,3 x 2 m

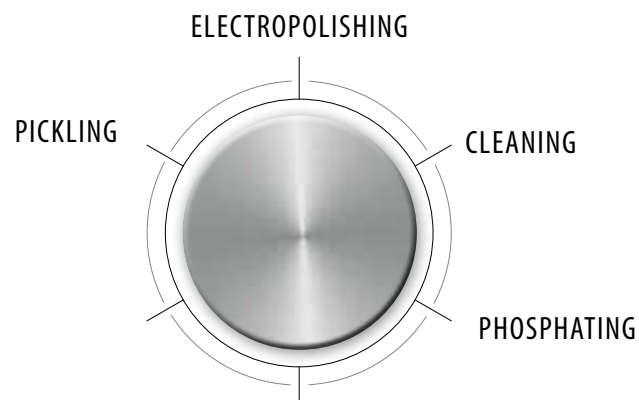
Crane capacity: 8/15/20 tons

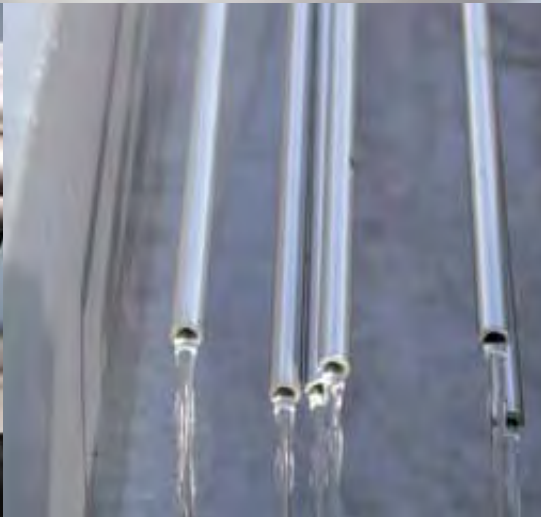
VECOM-DERUSTIT GMBH HAMBURG



Vecom DERUSTIT in Hamburg is traditionally very committed to the North German dockyard industry.

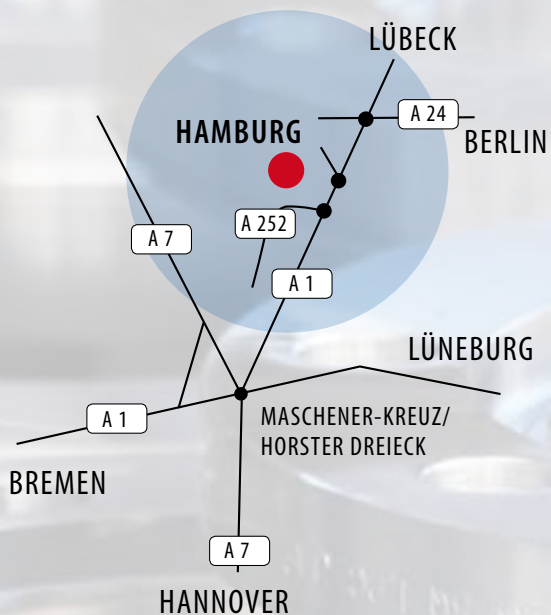
More than 50 years of experience in pickling of stainless steel, predominantly for on-site projects around the world, are the basis of our success. Pipes are cleaned in a circular process. When tanks are treated there are practically no limits with regard to dimensions.





The two locations in Wilhelmsburg and Stellingen are conveniently located and offer cleaning for oxygen applications and phosphating of C-steel constructions. In these processes high quality work is the most important requirement. Because of extensive inspection methods, organic compounds on the surface are determined and thus the predefined specifications can be observed.

An electropolishing facility is available for high quality treatment of stainless steel surfaces.



Our services in Wilhelmsburg:

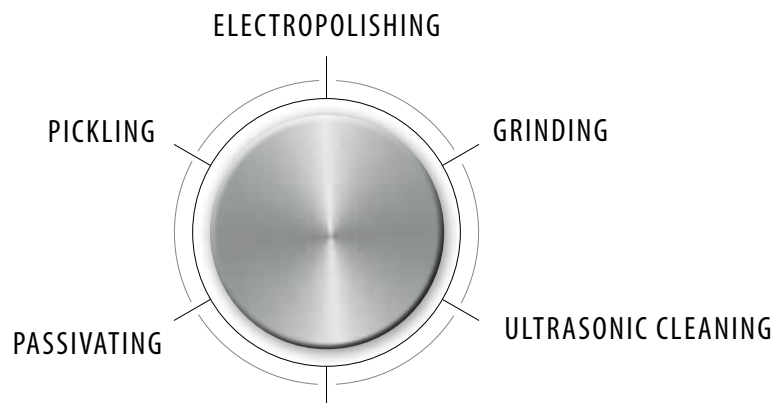
- Bath pickling: 8 x 2 x 1 m
- Spray pickling: 25 x 25 m
- C-steel: 7,5 x 1 x 1,5 m
- On-site pickling: inner and outer surfaces by spraying
interior areas in sprinkling process
pipe systems in circulation process

Our services in Stellingen:

- Bath pickling: 7 x 1,5 x 1,8 m
- Bath electropolishing: 2 x 1,2 x 1 m



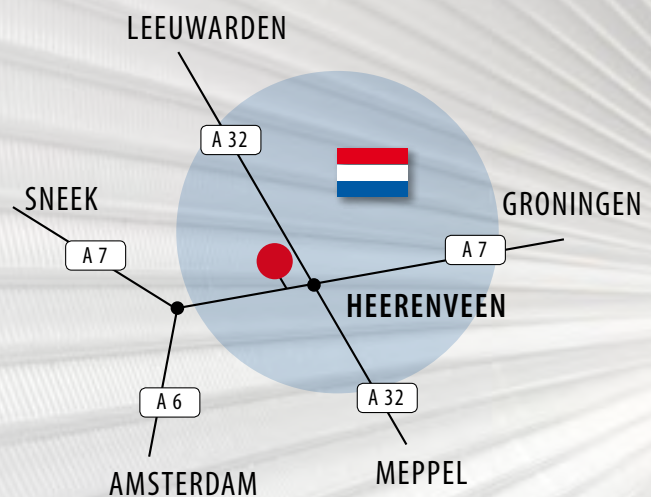
DERUSTIT Holland was founded in 1988 in Heerenveen. Here we operate the largest facilities with outstanding equipment for pickling, electropolishing and grinding of stainless steel in the Netherlands. Located in the middle of the dairy centre of the world we provide our services mainly in the food and dairy industry.





Besides that we run a state-of-the-art facility for electropolishing, ultrasonic cleaning and clean packing of parts for the high tech and solar industry in particular.

Grinding, pickling and electropolishing can also be performed on-site worldwide.



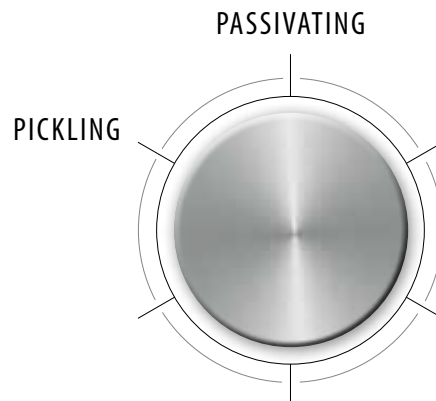
Our services in Heerenveen:

Bath pickling: 8,5 x 2,5 x 2,5 m
 Spray pickling: 1.000 m²
 Crane capacity: 7–120 tons
 Grinding & polishing: 200 m²

Electropolishing: 3,24 x 2 x 2 m | 4,97 x 1,49 x 1,5 m | 6,27 x 1,19 x 1,65 m | 12,5 x 0,49 x 0,8 m,
 dedicated polishingline for high tech parts 1,0 x 0,75 x 1,0 m
 Ultrasonic-cleaning: 1 x 1 x 1 m
 Cleanzone packing: 100 m² with cleanroom regime
 On-site services: Grinding, polishing, pickling, passivating and electropolishing



While the head office of the Dutch members of the DERUSTIT Group is located in the North of the Netherlands, there is a second Dutch facility located in the eastern part: DERUSTIT Gelderland in Winterswijk near the German border.

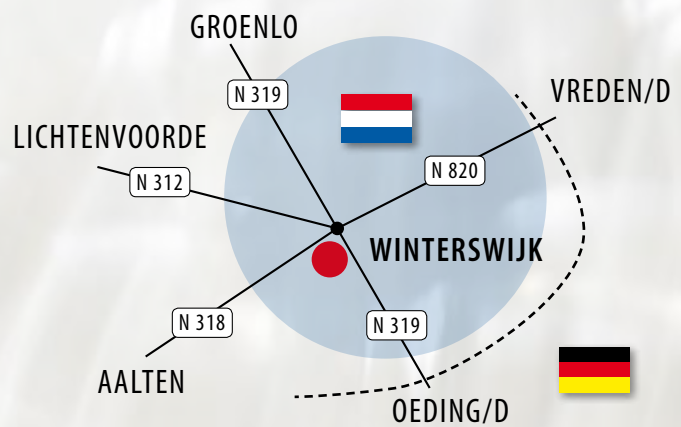




This modern subsidiary which was acquired in 1988 and completely rebuilt in 2003 concentrates on pickling and passivating of stainless steel.

In Winterswijk we specialize in pickling critical stainless steel parts which have to be individually packed.

To fulfill the clients' requirements we run our own transport service which guarantees fast and secure delivery.



Our services in Winterswijk:

Bath pickling: 8,1 x 2,5 x 2,5 m | 6,2 x 2 x 2,5 m
 Spray pickling: 375 m²
 Crane capacity: 5 tons

Transport: own transport service

We add value to stainless steel.



WE'RE HERE FOR YOU

GROUP

DERUSTIT

Oberflächentechnik

Deutsche Derustit GmbH

Emil-v.-Behring-Straße 4 · D-63128 Dietzenbach
Tel. +49 (0) 60 74 49 03-0 · Fax +49 (0) 60 74 49 03-33
E-mail: info@derustit.de · www.derustit-group.de

Edelstahlbeizerei Eisleben GmbH

Querfurter Straße 7 · D-06295 Lutherstadt Eisleben
Tel. +49 (0) 34 75 92 72-0 · Fax +49 (0) 34 75 92 72-20
E-mail: info-eisleben@derustit.de · www.derustit-group.de
www.derustit-group.de

**DH-Oberflächentechnik GmbH
Derustit-Pirna**

Kunstseidenstraße 1 · D-01796 Pirna
Tel. +49 (0) 35 01 4 70 04-0 · Fax +49 (0) 35 01 4 70 04-10
E-mail: info-pirna@derustit.de · www.derustit-group.de

Vecom-Derustit GmbH

Schlenzigstraße 7 · D-21107 Hamburg
Tel. +49 (0) 40 75 15 17 · Fax +49 (0) 40 75 353-70
E-mail: hans.kauffeld@derustit.de
www.derustit-group.de

Derustit Holland B.V.

It Dok 1 · NL-8447 GL Heerenveen
Tel.: +31 (0) 513 61 02 15 · Fax: +31 (0) 513 62 02 25
Email: info@derustit.nl · www.derustit-group.de

Derustit Gelderland B.V.

Koningsweg 223-225 · NL-7102 DT Winterswijk
Tel.: +31 (0) 543 51 29 90 · Fax: +31 (0) 543 53 37 70
Email: info@derustit.nl · www.derustit-group.de

www.derustit-group.de