

Rijdam hardfacing, services and trading

Steel Industry

What can Rijdam mean to the Steel Industry?

Experts on wear resistance

- For the past 55 years, Rijdam specialized on wear resistance
- In addition, the maintenance costs extra man-hours
- In many industries, wear is a big problem, especially on machine parts directly in contact with raw materials
- We think, needless time and energy is wasted in this process and it can, and should be, improved upon.
- Wear parts are often changed, which means costly machine down time

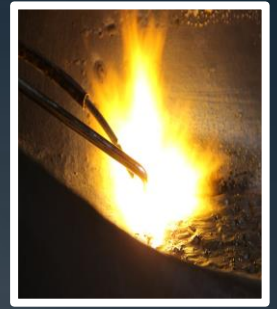
How can we help you?

- We have been in this business for a long time and have seen almost all situations. We are experts on improving your wear resistance
- *We study your specific wear problem and help you think about the best and most applicable solution*
- We clad your parts with extreme wear resistant alloys and improve the life time of your machine
- We advise in the best alloy and welding method dependent on tolerances, the base material and use of the part
 - We have long standing relationships with wear product manufacturers like Welding Alloys and Technogenia
 - One of our core products, Technosphere®, contains sintered tungsten carbides, with hardness up to 3000HV
 - We have experience and terrific results with many different machine parts

Our workshop

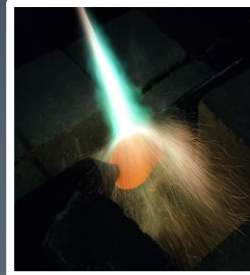
Autogene welding

Technosphere®
Technodur®



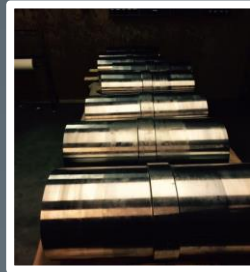
Spray and fuse

Cobalt and Nickel alloys



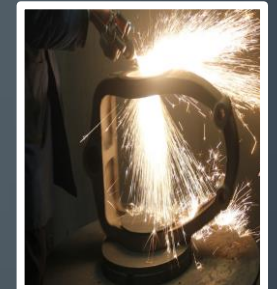
Lasercladding

A.o. Cobalt and Nickel alloys
Technolase®, Inconel 625®



Wire spraying

Countless alloys, A.o. Aluminum, Nickel,
Copper and Iron alloys



PTA Welding

A.o. Cobalt and Nickel alloys, Tungsten
carbide alloys



TIG and MIG Welding

Stellite®, FeCrC alloys,
CNV-0 (Welding Alloys)



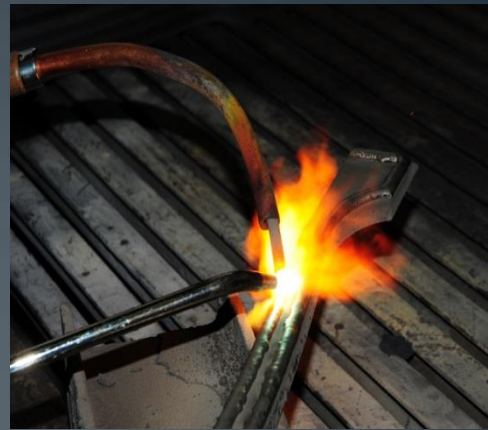
Wearplates

An interesting addition to our services is the fabrication of wear plates. See table below for several qualities. These plates are completely manufactured according to your drawing and demands.

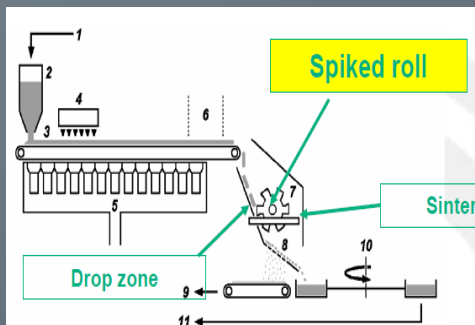


Rijdamplate 100	Rijdamplate 300	Rijdamplate 600	Rijdamplate lite	Rijdamplate Tuff
Chromium carbides	Chromium + niobium carbides	Complex carbides		
Excellent wear resistance	Superior wear resistance	Superior wear resistance	Refined microstructure with high volume of chromium carbides	Finely dispersed carbides within a tool steel matrix.
Optimum solution for most applications	For severe conditions of service up to 300C	Keeps its outstanding properties up to 600C	Extremely high wear resistance	Ideal for areas with a combination of abrasion, pressure and impact
Fair corrosion resistance - Designed to withstand moderate impact				
Hardness 60-62 HRC	Hardness 61-63 HRC	Hardness 62-64 HRC	Hardness 68 HRC	Hardness 56-58 HRC

Applications in the Steel Industry



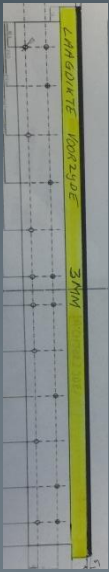
Applications in the Steel Industry



Technosphere on teethed knives



Technosphere on toothless knives



Construction and cladding of single and double bar holders



Construction and cladding of bars



We also supply...

For your own workshop

- Technogenia products
 - Technosphere,
 - Technodur,
 - Technolase,
 - lasercladded products,
 - PTA powders
- Welding alloys products
 - Diverse alloys of
 - cored wires
 - wear plates
- Nickel and Cobalt products
 - Powders
 - Wires
 - Rods
 - Electrodes
 - Castings
- Construction welding wire and machines
 - Gedik Kaynak welding wire assortment
 - GeKa Machines
 - ARO Spotwelding equipment
- Tools
 - Gedore and Carolus Tools
 - Harris Autogene welding equipment

