

SPA/LECK FINISH **PROCESS MEDIA**

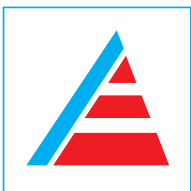


© SPA/LECK ENGINEERING

Process media for perfect surfaces and a clean process water treatment

We offer a comprehensive range of high-performance process media for a wide-ranging application spectrum:

- ceramic and plastic grinding media
- polishing media
- continuous and circulation compound
- additives for drying and polishing
- additives for process water treatment



MADE IN GERMANY

www.spaleck.com

PROCESS MEDIA

THE RIGHT PRODUCT FOR EACH PROCESS



SPALECK FINISH process media – high quality and very economical

SPALECK grinding media, compounds and process media meet highest requirements for an optimum surface treatment. They are characterised by first-class quality, high economic efficiency and good environmental compatibility. Manufacturing is carried out under constant innovation and the use of most modern production processes as well as focused quality assurance. A comprehensive warehousing of the wide production spectrum assures a quick supply of our customers.

What are grinding media?

Grinding media are artificially produced shaped bodies, used for the surface treatment in surface finishing machines. They vary regarding their shape, dimensions, grinding performance as well as basic substances and they can be used for the treatment of different kinds of material.

deburring · edge-rounding · smoothing · polishing · cleaning · degreasing · descaling · derusting

Ceramic grinding media

- natural product
- strong grinding capacity
- short treatment times
- high geometric variety
- high lifetime

Basis:
clay
kaolin
feldspar
alumina
quartz

abrasive material:
aluminium oxide
(among others
corundum)
silicon carbide



Plastic media

- treatment of non-ferrous metals and plastics
- gentle treatment
- low splintering tendency
- low bulk weight
- long shape stability

Basis:
polyester resin

abrasive material:
aluminium oxide
silicon oxide
silicon carbide





What are compounds?

Compounds are concentrated mixtures based on biologically degradable substances, actively supporting the surface treatment and strengthening the grinding performance. Compounds can be of liquid, solid or powder consistency and are often used in combination with defoamers, biocides and flocculants.

descaling · degreasing · cleaning · corrosion protection · brightening · supporting dirt removal

Continuous compounds

- very clean treatment
- possibility of alkaline and acidic processes
- suitable for ball-burnishing
- passivation of ferrous and non-ferrous metals
- applicable for special processes

Basis:

biologically degradable tensides · corrosion inhibitors
corrosion protection · substances · organic acids
inorganic acids · foam reducing agents

Circulation compounds

- low-foaming treatment
- less freshwater consumption
- allow long lifetime of the process water
- no discharge permit necessary

Basis:

biologically degradable tensides · corrosion inhibitors
corrosion protection · substances · organic acids
inorganic acids · foam reducing agents

What are polishing media?

Polishing media are used to generate high quality surfaces. This is obtained by material compaction as well as the parallel use of powders or pastes.

smoothing · brightening · polishing · compacting

Polishing media

- no abrasiveness
- high material density
- very low self-abrasion
- high asset and chemical resistance



Basis:

porcelain · ceramic · stainless steel

What additives are used for surface finishing?

Different additives are used for supporting the treatment process or the subsequent drying

Flocculants

- supporting the process water treatment
- dirt and oil binding

Drying media

- absorbent, abrasion resistant and low dust
- spotless drying and a slight polishing

Pastes and powder

- supporting the polishing or the grinding process
- production of high gloss surfaces

Separation media

- avoiding adhesion of the parts
- especially suitable for flat parts



TECHNICAL CENTRE **PROCESS DEVELOPMENT**

Demonstration centre

In our spacious and modern designed demonstration centre a large part of our machinery portfolio is exhibited – for your application, too, there will be the right type of machine.

Laboratory

The surface result is positively influenced by the addition of the appropriate compound to the treatment process – our engaged chemical and process engineers develop the appropriate treatment concept for the used process water.

Process media

Only thanks to the interaction of the machine and the right process media optimum surface results are obtained – we offer you a wide range portfolio of grinding media, compound and additives.

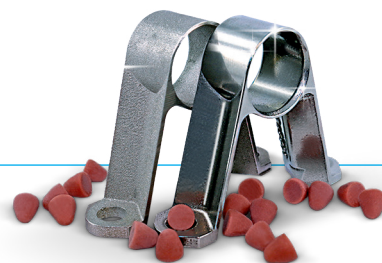
Sample treatments

Every part is an individual part, thus there is not one universal solution for the treatment – our qualified process engineers develop the optimum process for your parts.



Our service

- application consulting
- choice of process technology
- process water analysis
- trainings
- development of innovative special solutions
- continuous further development of our product portfolio



© SPALECK TECHNICAL CENTRE