

INNOVATIVE SCRAPERS

- adapting procedures
- optimising processes
- conserving resources





LET US INTRODUCE OURSELVES

RICON GmbH & Co. KG is an international manufacturer for the development and production of modern webs and conveying technology.

As part of the GRIMME Group we have expanded our range of services to include the production of „plan Be“ scrapers for the food processing industry in 2018.

By focusing on product safety, hygiene and maintenance costs, we have developed an innovative new conveyor belt cleaner, or roll scraper, which cleanly separates even problematic materials from the conveyor or roll.

Operational excellence and continuous further development are the basis for providing our customers with first-class technical solutions.





INNOVATIVE SCRAPERS, that simply can do more!

Hygiene and efficiency

- are factors that ensure the smooth functioning of production processes over the long term.

Nevertheless, technically unsuitable and hygienically dubious scrapers are still being used.

When scrapers are initially installed, product particularities and characteristics are frequently not known, or present themselves differently in the course of production than originally expected.

A request from the food processing industry alongside detailed production specifications formed the foundation for the development of our scrapers.

What initially began as a special development for a company of a product segment has now developed into a broad range of products for the manufacturing industry.

TRANSPORTING CONVEYOR AND ROLLER SCRAPERS

No matter which scraper type you want to use, the mode of operation employed by our scrapers is ingeniously simple:

A specially developed polyurethane body, cast around a stainless steel supporting tube or shaft, fits closely against the conveyor or roll surface and responds to product flow with great flexibility.

Our product range offers wipers and scrapers for all materials to be removed from the belt or roller, from very light to very sticky.

Standard scrapers are the simplest solution to remove product residue from conveyors and rolls. Commonly chosen as a front or drum scraper, installation is fast and uncomplicated – even in the case of retrofitting.

The universal scraper is installed on the return side underneath the conveyor. This type of positioning assures optimum contact with the conveyor surface as well as consistent conveyor tension. The universal conveyor is geometrically “stronger” along the back, which means it can be pressed with much greater force.



SPECIAL PROBLEMS - SPECIAL SOLUTIONS!

We offer custom made scrapers.

Based on your specifications, we develop and produce custom scrapers quickly – optimised to meet local requirements.

We offer custom-made products with specific material heights and widths tailored to individual requirements, which are optimal for the respective application:

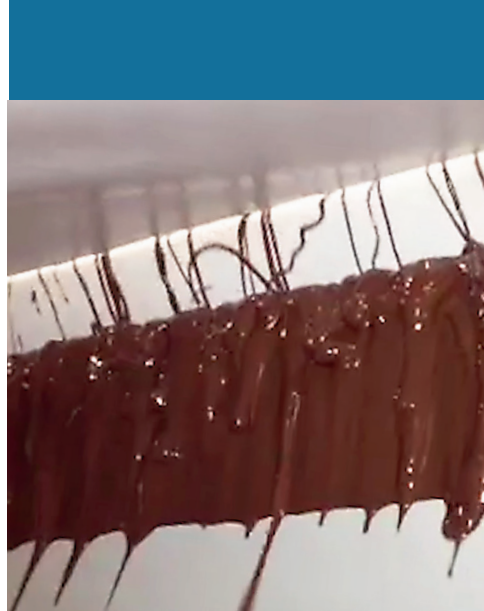
- temperature-resistant (-20°C to +60°C / +250°F; resp.- 4°F to 140°F / 480°F)
- heatable scrapers equipped with interior heating e.g. for chocolate, grease, tallow.
- antistatic scrapers for explosion hazardous areas
- Materials according to the guidelines:
Regulation (EC) No. 1935/2004
No. 10/2011
ATEX-compatible
- scrapers in a reinforced version, for belt widths up to 2.500 mm



THE APPLICATIONS



Strongly adhering residues, such as fats, are easily removed.



Heated scrapers ensure easy stripping of creams and chocolate.



Heavy and sticky materials are stripped off without difficulty.




Even with modular conveyors, the scraper nestles tightly and flexibly to the surface of the conveyor.

The right combination leads to SUCCESS!

Whether sticky pizza dough or creamy chocolate mass, whether as a head scraper in a brickyard or in particularly hard use in a mine: In practice, our wipers have proven their worth especially when existing solutions have only delivered unsatisfactory results.

Problematic goods with tough material properties are particularly well separated from the conveyor belt or transport roller by the flexible polyurethane lip. Unevenness on the surface of the conveyor belt is compensated without any problems, without negatively affecting the scraping result.

Our belt scrapers have already proven their value in practice in the following areas, among others:



- Vegetable processing
- Potato processing industry
- Waste water treatment
- Brick production
- Pizza production
- Chocolate and sweets industry

- Meat processing industry
- Industrial bakeries
- Paper recycling
- Cement industry
- Waste water treatment
- Sugar refinery



CARE AND MAINTENANCE

What normally takes up a lot of time
– and is therefore frequently omitted –
becomes child's play with our scrapers!

FOLD DOWN WIPE READY!



without additional
tools

To clean the scraper, it is swung away from the conveyor (against the tension direction) using the integrated lever without the need for additional tools.



Easy removal of
remaining products

Product residue is easy to remove with a damp cloth or soft spatula.



Compliance with the
highest hygiene
standards

No corners or edges!
This makes our scrapers easy
and problem-free to clean.

SIMPLE INSTALLATION

The sophisticated and space-saving design of our belt scrapers enables fast and cost-effective installation, even in existing systems.

Our belt-scrapers can be mounted as standard scraper (2-4) on the deflection roller or as an universal scraper in the lower section of the conveyor (1).

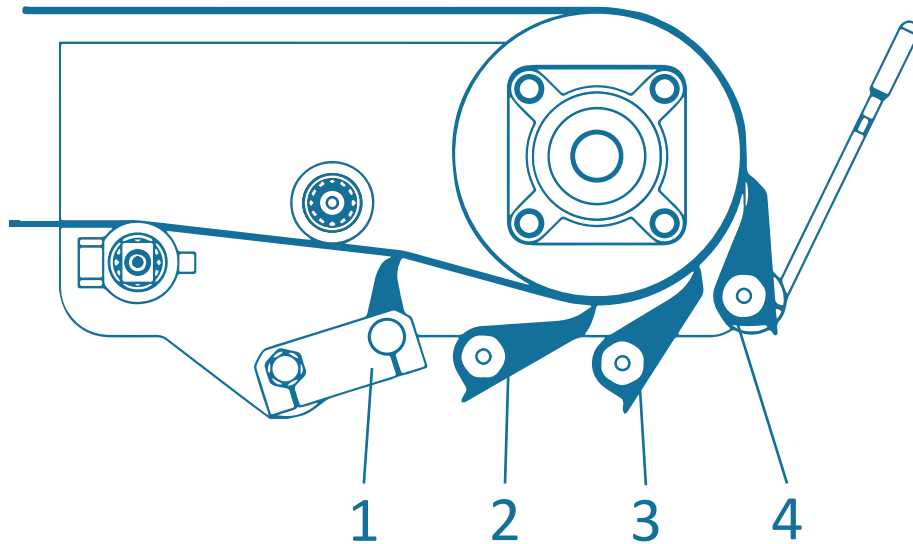
Even under difficult conditions, such as tight spatial conditions, retrofitting is usually possible without any problems.

The positioning of the scraper depends on the conveyed goods and the further use of the stripped product.

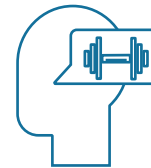
If the stripped product is to remain in the goods flow and be conveyed further, a standard scraper is recommended.

If the stripped product is to be separated from the main stream, a universal scraper is recommended to be selected.

This is particularly suitable for difficult stripping material.



SERVICE



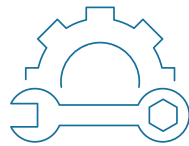
Different products and production processes require different scrapers.

We love tricky challenges: If your plan "A" fails, planBe offers intelligent solutions, which are tailor made and practice-orientated.

Together with you, we develop possibilities and solutions where your processes can be optimized. That's what we're committed to: We simply want to make it better - using our experience, our know-how and ambition.

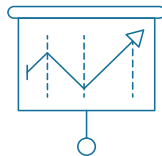
OUR BENEFITS

- high flexibility and adaptability
- fast, simple care and maintenance
- simple design
- various designs, installation heights and overall widths



- All parts of the scrapers are completely safe for use in the food industry (according to EC regulations) and meet the highest hygienic criteria.
- Usable even in case of problematic substances such as oil, grease, cleaning agents and solvents
- Unevenness on the surface to be stripped is compensated by the flexibility of the scraper.

- Suitable for a wide temperature range (-20 °C to +60°C using polyurethane; up to +250°C using PTFE)
- Scrapers which are very gentle on conveyors, even under challenging conditions: This extends the life-span of your conveyors and reduces maintenance costs
- Precise scraping guarantees optimum production processes with reduced material waste



- Uncomplicated and fast installation, no matter whether on new or existing systems
- We offer consultation and installation on site
- A free period of testing is possible
- Individual productions for your plants are possible in a short time



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