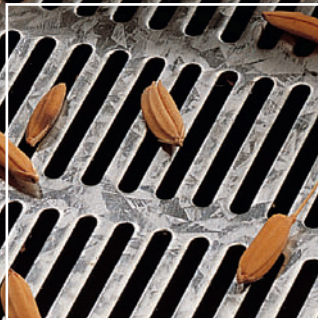
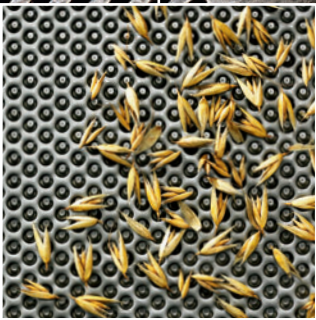


# RMIG



1409

**Specialist processing screens  
increase crop yields**



# Best practice



## Your performance and success is our business

RMIG is a world leading producer and supplier of high quality perforated metal screens for the agricultural industry. RMIG develops and produces high quality screens designed to meet today's large volume processing needs in all respects.

We are the largest perforation company in the world and located in 13 European countries. With profound experience and ongoing development of innovative technology we offer you the best quality and service at competitive prices. As a loyal and dedicated business partner we strive to find or develop the optimal solution for our customers – every time and spot on!

We know our customers' requirements for quality in every respect and meet their demands with uncompromising service, precision and uniformity.

- **Largest product range in the world**
- **Development department and in-house tool manufacturing**
- **State of the art production equipment to secure productivity and precision**
- **Large network of raw material suppliers to secure you best possible cost and reliability**
- **Dedicated and motivated staff with focus on your needs**
- **Local representation worldwide in more than 20 countries**



## RMIG

RMIG was established in 1901 by the German toolmaker Richard Müller who had moved to Copenhagen a few years earlier. He was a skilled and enterprising toolmaker, and RMIG developed into the innovative and visionary company that it still is today.



# Pre-cleaning screens



## Large range of screens for all kinds of crops

RMIG offers the largest range of perforated patterns for pre-cleaning. Screens that gently and thoroughly remove unwanted materials from all kinds of crops such as corn, grain, seed, maize, rice, legume etc.

We offer a wide range of precision slot and round hole perforations in various thicknesses and materials for your specific need.

Example



Example



Round holes, triangular pitch. Slot holes, rectangular pitch.

## Tailor-made patterns

RMIG also offers to develop new patterns and in-house tool production in co-operation with you in order to optimize the cleaning of a specific crop.



Grain cleaning.

Rice cleaning.



**Pre-cleaning** – Cleaning will improve the storability of crop, reduce price penalties at time of milling – and improve milling output and quality.  
**Grain cleaning** – Cleaning will remove straw, chaff, weed, seeds, soil, rubbish and other unwanted materials.  
**Screening/sifting** – Smaller materials such as weed seeds, soil particles and stones can be sieved from the grain through a smaller sized screen.



# Grain drying screens

## We keep quality high – for you to keep prices low

RMIG delivers screens in both galvanised and stainless steel with optimal airflow and strength. We guarantee high quality and effective processing while still being cost-effective.

## Screens for silo drying

RMIG produces high quality screens to make your processing more effective – and we always provide you with professional advice in your choice of perforation patterns and materials to optimize the process and your costs. The design of the screen affects the airflow – and the airflow rate affects directly the drying rate. We can tailor-make any design you wish.

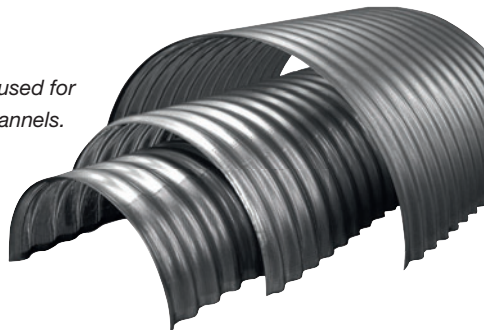


*Bridge holes.*

## Screens for floor drying

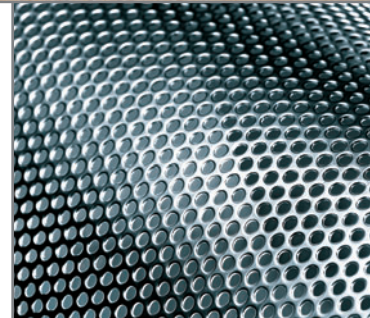
RMIG produces high quality screens to match your demand with the latest perforation technology to optimize production costs.

*RMIG screens used for grain drying channels.*



*Silo drying.*

*Round holes, galvanised steel.*



*Floor drying.*



### Optimal storage

Grain drying is a critical step in preparing the crops for storage.

The drying and cooling process prevents germination of seeds and inhibits bacterial growth.

Air carries moisture away from the grain, and higher airflow rates give higher drying rates.

The ability of a screen to move air through the grain will depend upon the screen design.



# Separation and grading screens

## High precision process

For the complex separation process the quality of the perforation is extremely important for the final product quality and efficiency! Therefore, precision, efficiency and tight tolerance levels are common for all our solutions followed up by professional service and advice. We offer a variety of commercial screens that make it cost-effective to achieve uniformity in size and shape of all kinds of crops. This could include gravity tables, rotary, indented cylinders and length graders screens.



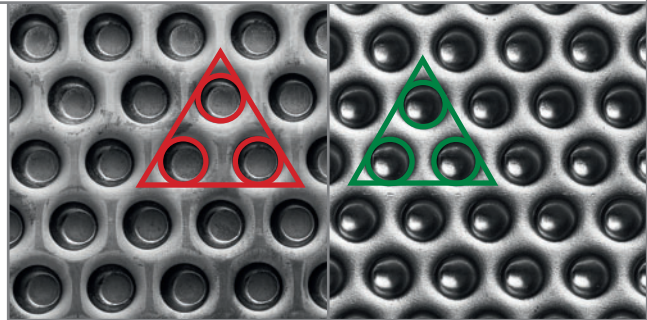
*Trieur, round.*



*Trieur, flat.*

## RM Trieur screens – most holes per m<sup>2</sup>

RM Trieur sheets are one of the most important components within specialist machinery that sizes/sorts grain and seeds or separates them from foreign bodies. In order to achieve the best results the correct shape of 'pockets' is vital. We are able to deliver sheets with almost any size of 'pockets' – round, flat or combined types. Moreover, the sheets can be supplied as flat plain sheets cut to size or as rolled and welded cylinders. We offer you Trieur in mild and stainless steel.

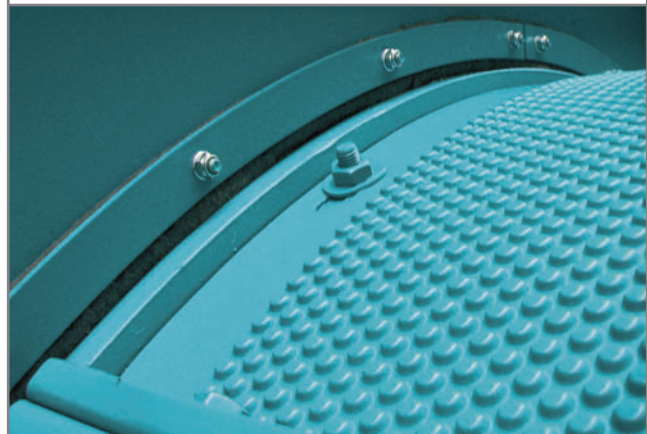


*Others.*

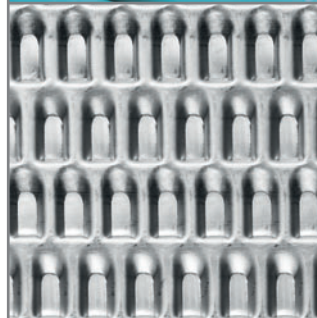
*RMIG.*

RM Trieur is developed with a minimum of spacing between the 'pockets' to provide the maximum sorting/sifting per square metre – for you to maximize your equipment productivity!

- **Maximum cells per m<sup>2</sup>**
- **Extended quality control of cells to secure tolerances and lifetime of screens**



*Trieur cylinder.*



*Rice sorting screen in stainless steel.*

**Seed cleaning** – malformed, discoloured, germinated, broken, contaminated with other species or mouldy grains in seed lots can severely impact seed quality, viability and vigour and thereby the market value.

**Seed grading** – for commercial seed processing, seed grains should have uniform size and weight. A variety of commercial equipment can be used to achieve uniformity in seed size and shape. These include gravity tables, rotary screens, indented cylinders and length graders.



# Hammer mill screens

## Maximum throughput

RMIG is specialised in the manufacturing of screens for hammer mills. We can offer you maximum open area screens to provide maximum throughput and lifetime. RMIG can offer the world's largest variety of screens and sizes at competitive prices. RMIG offers two different types of perforation patterns designed to optimize the throughput and lifetime of your screen, normal round hole perforation and Perfocon.

- Example: Round hole perforation for hammer mills with maximum open area and screen thicknesses from hole size 2.0 mm and upwards.
- Example: Perfocon from hole size 0.20 mm to 2.0 mm in up to 2.0 mm thick material.

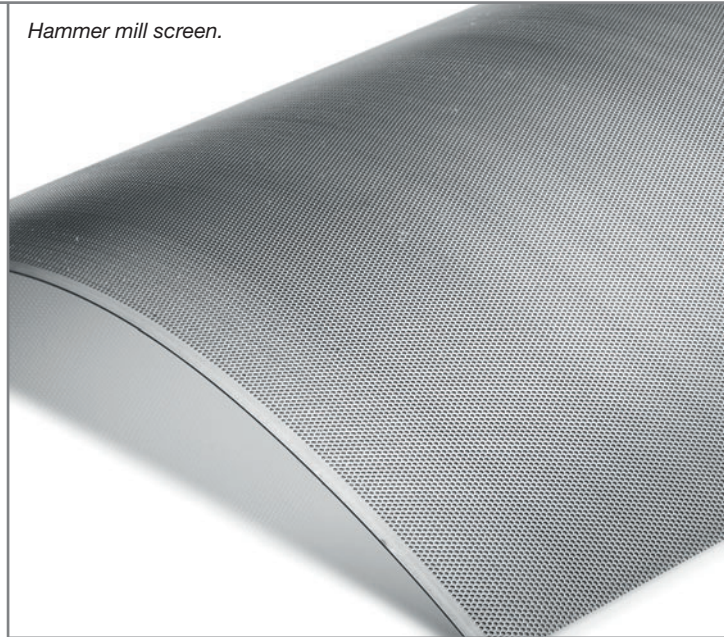
## Perfocon – perfection in processing

Unique for RMIG is the special product Perfocon which offers specially shaped holes that allow easy exit of particles through the screen – even with small holes in thick material. A unique product in order to obtain a perfect result in the milling process.

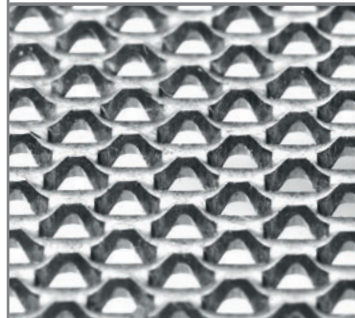
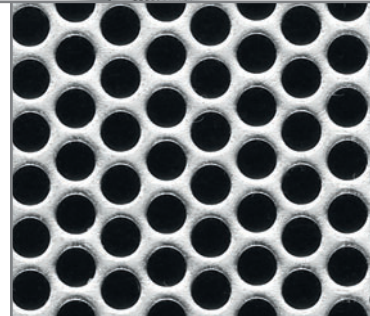
Special production techniques enable a sheet to be produced with a thickness many times greater than the hole diameter. We offer Perfocon in mild, galvanised and stainless steel.

- Example: Perfocon screen with hole size 0.2 mm in 1.0 mm stainless steel.

Hammer mill screen.

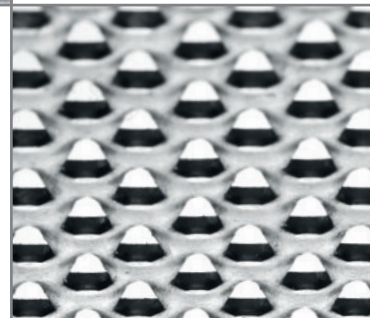


3 mm round holes in 3 mm thick material with 4 mm pitch = 51% open area.



Perfocon – front.

Perfocon – back.



## Screen design for hammer mills

There are many ways to reduce the particle size of cereal grains for feed ingredients. One of the most common ways is to use a hammer mill. The open area in a hammer mill screen determines the particle size and grinding efficiency. The screen must be designed to maintain its integrity and provide the most possible open area. Screen openings (holes) that are aligned in a 60-degree staggered pattern optimize the open area while maintaining screen strength.



# Malting

## RMIG Malting floors

RMIG produces high quality screens that are reliable and effective for malting processes.

We can offer you screens according to your specifications in stainless steel produced on high precision high speed equipment to secure optimal quality and production efficiency.



Slot holes 1.75 x 20.0 mm in 1.5 mm stainless steel.

## Tailor-made screens for every possible crop

After many years in the processing business we have developed a broad range of high performance screens for all kinds of crops. Moreover, we will always be able to meet your demands with tailor-made solutions with more than 30,000 patterns at our disposal. As your loyal and dedicated business partner we always strive to provide you with the optimal solution.

## Largest stock in the world

If you are short of a certain type of screen, contact us and we are most likely to have exactly what you need in stock. You get the world's largest variety at competitive prices! Just ask for any type of screen with various holes and pitch, or feel free to check our website [www.rmig.com](http://www.rmig.com), or contact your local representative.

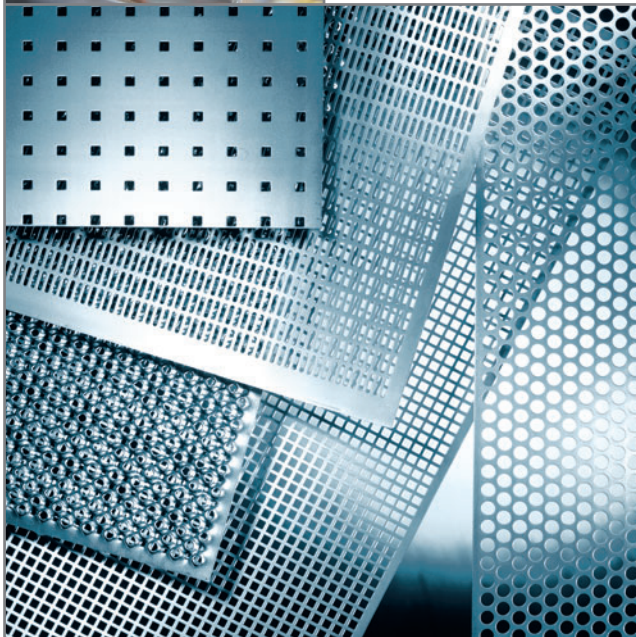
- Example: Hammer milling screen in stock  
1,000 x 2,000 x 2.0, round hole 2.5 mm, pitch 4 mm  
= 35.4% open area.



Malting floor.



Stock sheets.



### Full control in every step

Malting is a complex process that requires full control in every step – from making cereal grains germinate by soaking in water, to quickly halting them from further germinating by drying/heating them with hot air. Perforated screens are used during the whole process.



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