



we make ideas come to life



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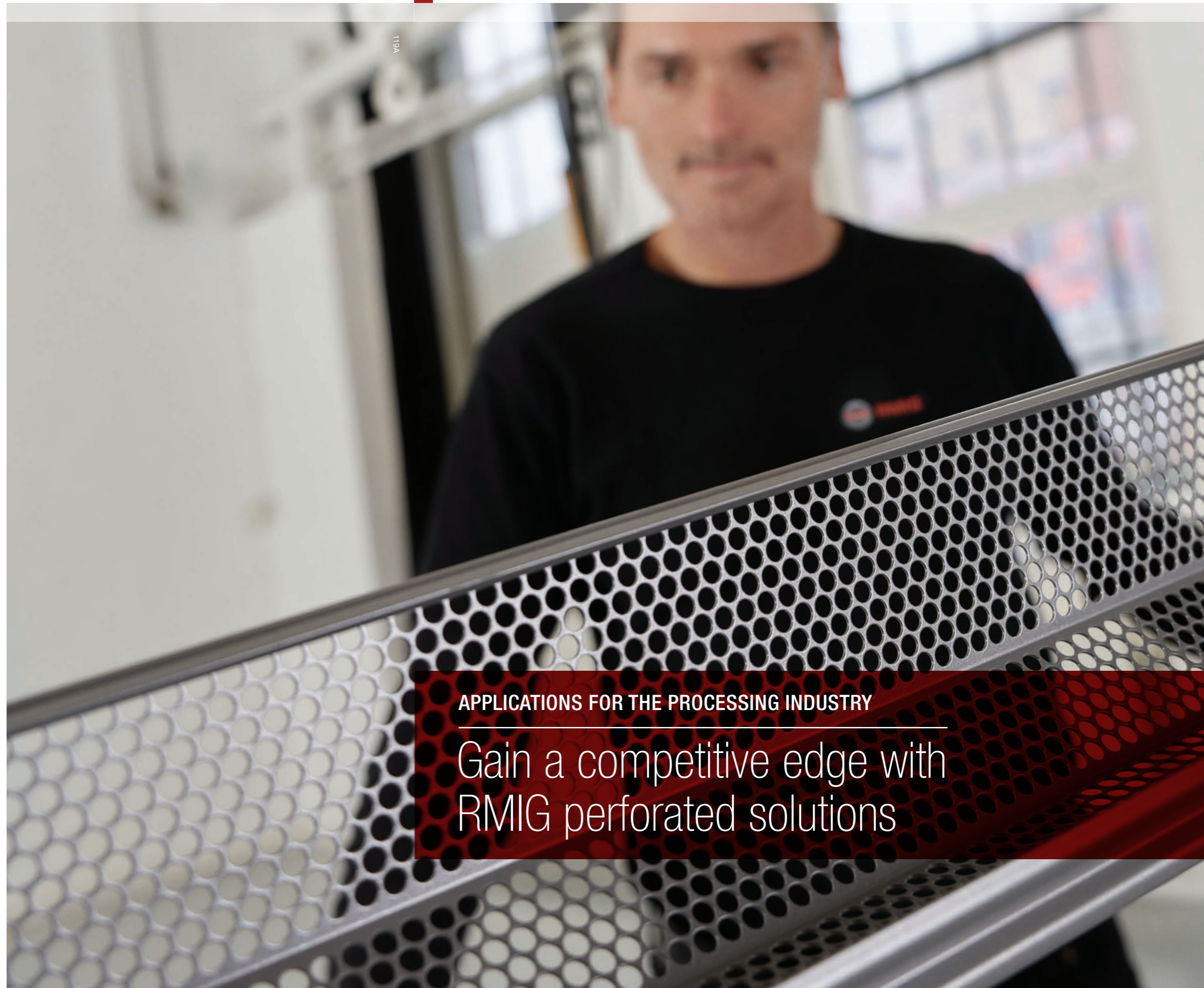
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**APPLICATIONS FOR THE PROCESSING INDUSTRY**

Gain a competitive edge with  
RMIG perforated solutions



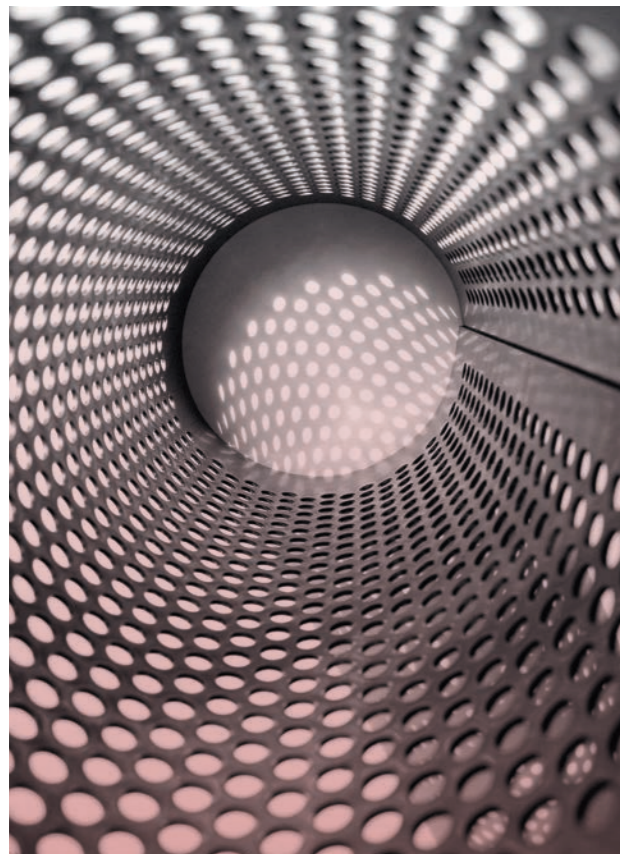
# Solutions for the processing industry

RMIG HAS THE EXPERIENCE AND VERSATILITY TO COVER ALL YOUR NEEDS FOR PERFORATED APPLICATIONS AND SOLUTIONS

RMIG is the world's largest manufacturer and supplier of perforated metal products. We have been supplying high-quality screens from our European factories for more than 120 years and have extensive knowledge of the requirements and demands of the processing industry. These factors combined make RMIG a competent and reliable partner and supplier of perforated solutions.

## WE ARE HERE TO SUPPORT YOU

Our range of perforated solutions for processing applications stretch far beyond what is shown in this brochure. We will be pleased to assist you in finding the optimal solution to your needs. Read more about how and why we can support you on the following pages.



Filtration	
Separation Screening Straining	

Sorting	
Sizing Cleaning Grading	

Air flow	
Drying Heating Cooling Ventilation	

Safety	
Protection Shielding	

Sound	
Sound control Noise reduction	



## Let us contribute to your business

WE UNDERSTAND THE PROCESSING INDUSTRY AND OFFER YOU A PARTNERSHIP BUILT ON EXPERTISE AND COMMON GOALS

Our perforated product offering is based on decades of long-term collaboration with innovative people and companies in many different segments and markets.

### WE LISTEN, WE UNDERSTAND

Over the years, RMIG has built up a unique product range of perforated metal. Today, our selection is the widest in the world and spans from specialised perforation types developed and used in niche markets to all the most common types of perforated solutions.

Perforated metal solutions are our speciality and core business. Based on our customers' requirements, we continue to challenge ourselves in finding new ways to improve the competitiveness and effectiveness of our customers' final products.

### WE ARE ALWAYS PREPARED

Our market and product knowledge are supported by our own R&D and perforation tool departments, the latest technological production equipment and back-up production, as well as skilled and

experienced staff. So rest assured - we are ready to support you today and in the future.

Developing new perforated solutions and applications for the processing industry requires a special set of skills and extensive knowledge of materials and perforation production methods. Our trained and motivated staff are at your disposal to contribute to your plans and move things forward. We value a challenge and look forward to hearing from you.

### RMIG facts and figures

- World leader in perforated metal solutions
- More than 25,000 satisfied customers
- State-of-the-art production facilities in Europe
- Certification according to EN ISO 9001: 2015
- More than 30,000 perforation tools available
- Own R&D and tool development departments
- Local presence and support across Europe
- Products sold in more than 70 countries



# Proven product delivery process

WE TAKE YOUR IDEAS AND TURN THEM INTO COMPETITIVE AND INNOVATIVE PERFORATED SOLUTIONS

Whether you need innovative solutions or you are looking for a new supplier for an existing perforated product, we are your best choice for a collaborative partner and can help you gain a competitive edge within the processing industry.

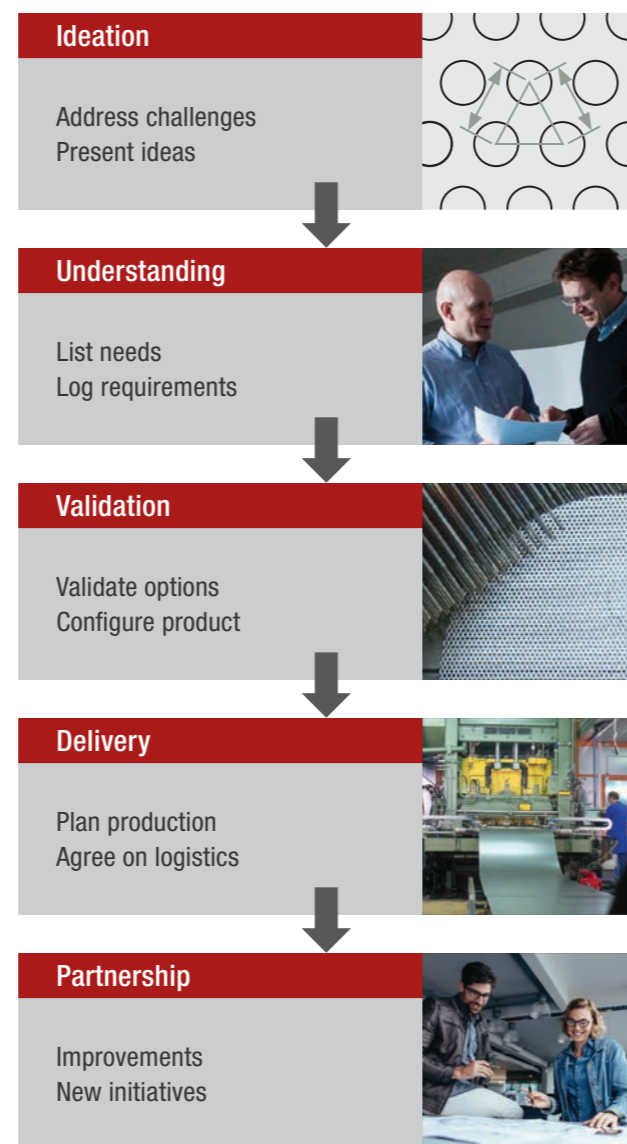
## EXPERIENCE AND EXPERTISE

At RMIG, you will find expertise in perforation in all aspects, from the initial idea or challenge, to validation of options, final product configuration, production and logistics solutions.



It is vital for us to get a good understanding of your requirements, and in order for our experienced team to ensure the best solution for quality and performance, we follow our proven product delivery process. This will enable us to provide you with the highest standard of customer service.

## PRODUCT DELIVERY PROCESS



# Unique experience in production

## HIGH LEVEL CUSTOMER SATISFACTION

Reliability, quality and service have the highest priority at RMIG, ensuring a flawless and prompt delivery of perforated metal solutions. All our customers are highly valued, and we acknowledge the importance of dealing with each of you individually. You can be certain that we will find a solution to fit your specific requirements.

### We are knowledgeable

- More than a century of perforation experience
- Broad knowledge of many industries
- Core business: perforated solutions
- Strive to set new standards within the industry
- Quality-conscious and cost-effective

At RMIG, we innovate for the future, while learning from the past. We aim to become an integral part of your business and to share our know-how with your skilled staff to pursue common goals of efficiency and productivity. We deliver according to our agreement and are at your service – today, tomorrow and in the years to come.

## YOUR ADVANTAGES WITH AN RMIG PARTNERSHIP

### We are trustworthy

- Financially strong European company
- Global track record of satisfied customers
- Widest range of perforated solutions

### We are flexible

- Local presence and multilingual staff
- Responsive and supportive
- Efficient communication
- Leading process ensuring a world class service
- First-rate solutions

## MORE INFORMATION

Get in touch with us. Find more information about our company and product offering at [www.rmig.com](http://www.rmig.com).





# Versatility in filtration applications

## QUALITY SOLUTIONS FOR IMPROVED EFFICIENCY

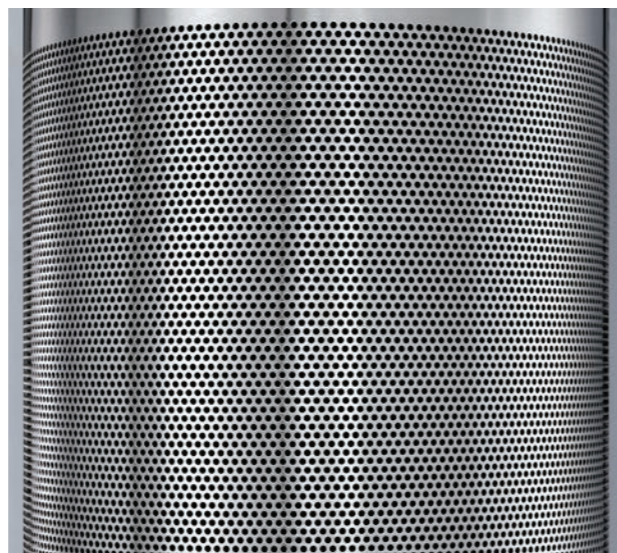
Perforated metal screens are used across very different industries for filtration and separation. Our high-quality screens offer a solid and precise way of separation and straining in both the industrial sector and food processing. Oil and air filters and water processing are examples of usage areas.

RMIG offers versatile solutions for filtration, whether you need extreme precision, strength, high throughput, holes of very small dimensions or tailor-made solutions to fit your needs.

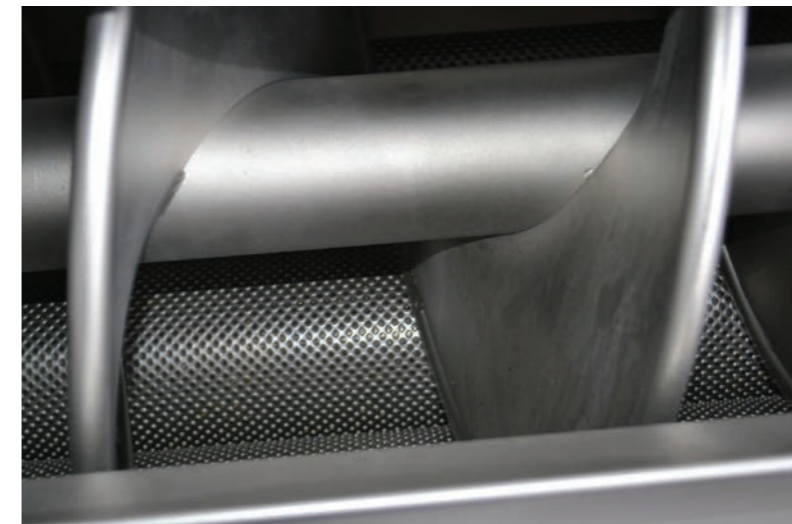
### WATER AND OIL FILTRATION

High flow, burr-free perforated sheets are essential for the filtration industry. We have broad experience in manufacturing both fine and coarse perforated screens for water and oil filtration equipment that provide high flow and less resistance. We also recognise the importance of tight tolerances for both material and perforation size and ensure that our

perforated products meet the necessary level of high accuracy.



Filter with round hole perforation in stainless steel



1:1 perforation in stainless steel



High open area for filtration



Burr-free stainless steel perforation



Slot hole perforation in stainless steel

### RMIG SOLUTION EXAMPLES

- Small hole perforation in stainless steel (from 0.4 mm)
- Burr-free stainless steel perforation
- Thick sheet perforation in mild steel and stainless steel
- Perforation in special alloys

### APPLICATION EXAMPLES

- Water filtration
- Oil filtration
- Air filtration
- Liquid separation

Whether you require small, high-precision perforation in thin material as used in the sugar industry, or large holes for heavy duty use in the mining industry, RMIG can create the optimal perforation processing solution.





# Efficient sorting solutions

## SORTING, GRADING, SIZING AND CLEANING – PRECISION AND RELIABILITY ENSURE RESULTS IN THE PROCESSING INDUSTRY

Precision, uniformity and optimal efficiency are essential when manufacturing perforated screens for sorting. We are proud to contribute to your success through sorting solutions for grading and sizing.

### FROM CLEANING TO GRADING

Perforated metals are used in a vast number of industries for sorting and screening any material from sand and gravel to sugar, grain, seeds and many other products. With RMIG, you can choose from the largest range of perforated patterns for pre-cleaning of crops. We also offer customised solutions with support from our internal product specialists.

### QUALITY AND PRECISION ARE VITAL

In a complex separation process, the quality of the perforation is extremely important for the result. For you to keep an uncompromised quality level, we

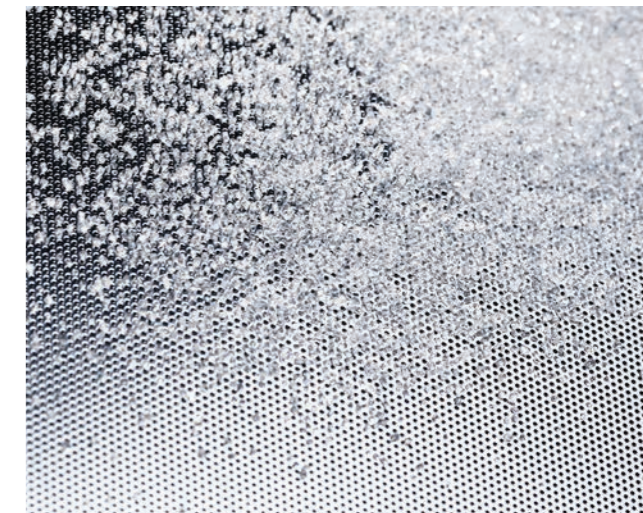
offer you precision, efficiency and tight tolerance levels followed up by professional service and advice.



Hammer mill screens



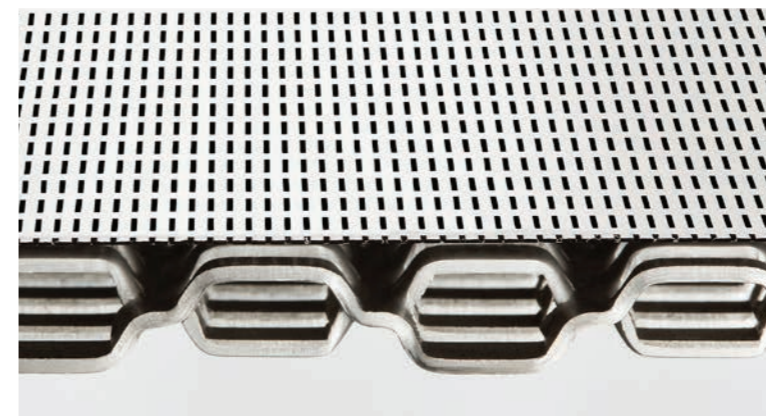
Trieur



Small hole perforation in stainless steel



Nose screens



Backing screens in stainless steel



Special slot holes for milling

### RMIG SOLUTION EXAMPLES

- RMIG Premium Perforation (hole size  $\leq$  material thickness)
- Trieur sheets
- RMIG Perfocon
- Holes with customised tolerances
- All kinds of hole shapes (round, square, slot, etc.)
- Customised perforation patterns

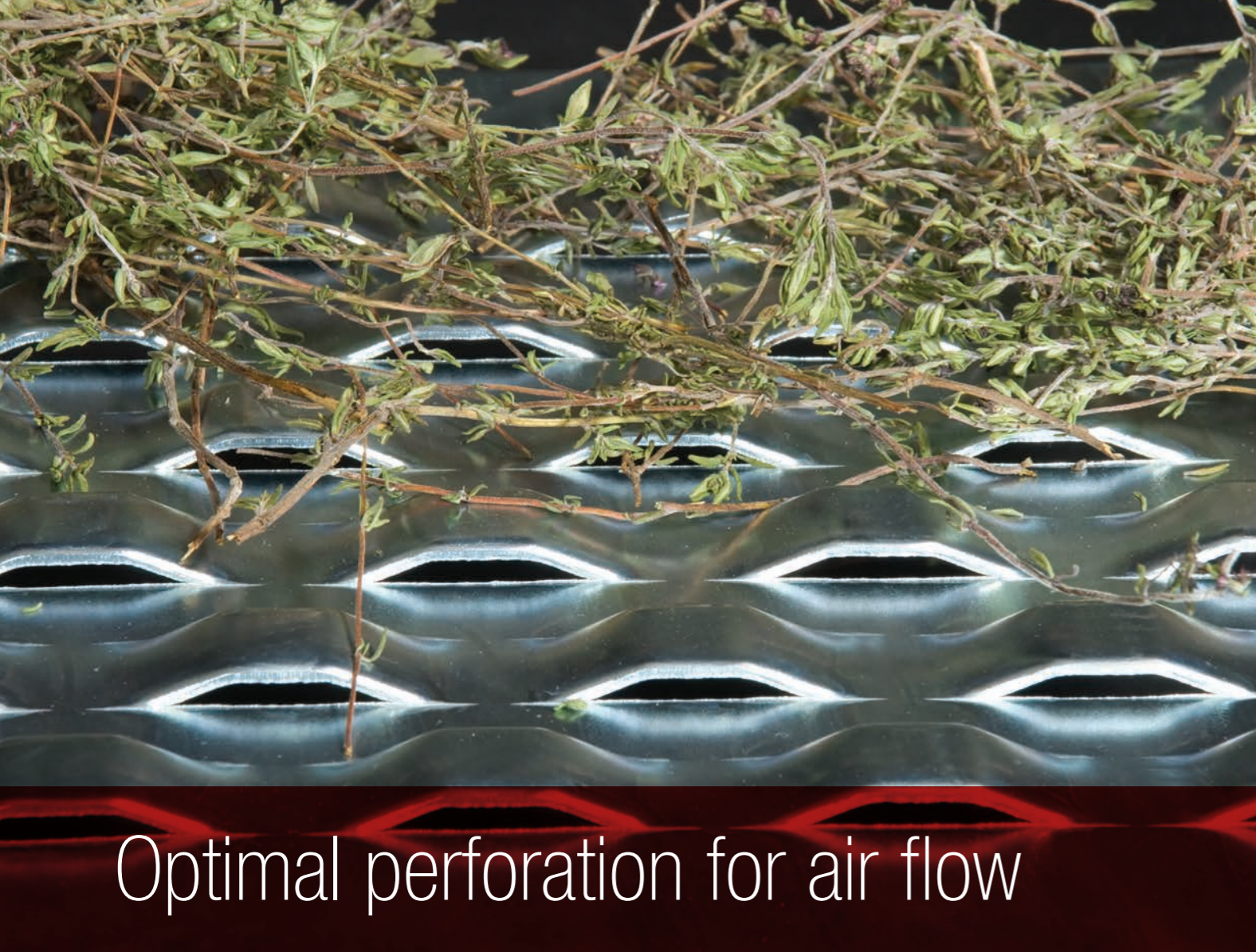
### APPLICATION EXAMPLES

- Grain cleaning
- Grain sorting and sizing
- Hammer mill screens
- Recycling
- Mining
- Centrifugal screens

### A WIDE RANGE TO CHOOSE FROM

With more than 30,000 perforation tools available, we probably have the pattern you need, and if not, we can make it for you. Whether you require hammer mill screens or centrifugal screens, you benefit from expert advice, access to top quality perforated products and uncompromising service when dealing with RMIG.





# Optimal perforation for air flow

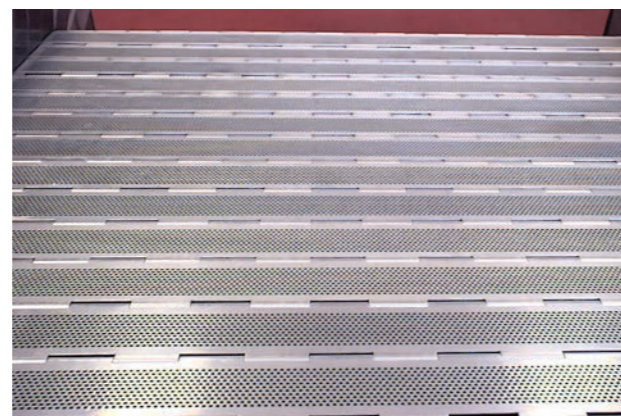
## DISCOVER THE ADVANTAGES OF USING HIGH-QUALITY PERFORATION FOR YOUR AIR FLOW APPLICATIONS

The cooling of high-tech electronic equipment running at maximum capacity, cheese drying on shelves, grain and herb drying in barns or silos – all these processes are delicate and need to be carefully monitored to succeed. The common denominator is a highly controlled air flow.

### KEEPING EQUIPMENT COOL AND SAFE

The demands for efficient cooling systems for technical equipment are increasing. A flexible and innovative solution, such as hexagonal perforation, is our response. In the case of electronic cabinets and enclosures, sections of perforated panels with a high open area provide adequate and targeted heat dissipation. Other zones can be masked, and thereby protected, by unperforated areas.

The cooling systems of engines, for example in tractors and earthmovers, are a traditional application area for perforated products. Perforated screens with high open areas allow the air to enter and circulate as required and at the same time act as a filter and protective screening.



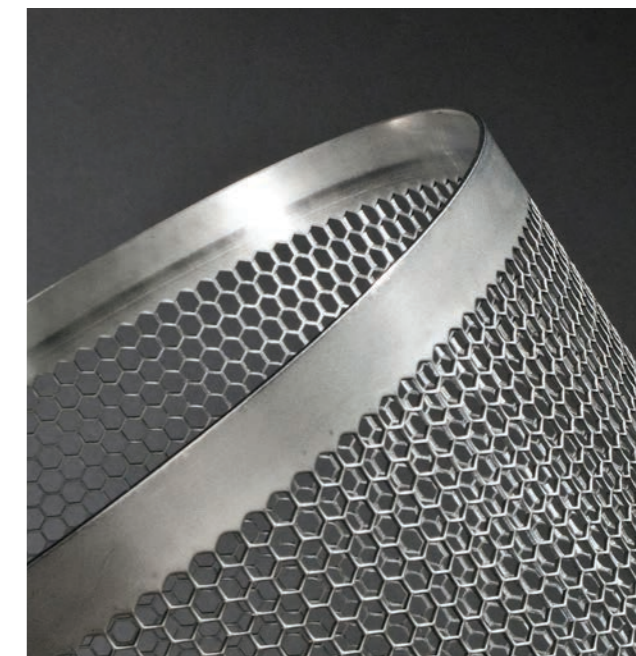
*Drying slats*

### RMIG SOLUTION EXAMPLES

- RMIG Premium Perforation (hole size  $\leq$  material thickness)
- Hexagonal perforation (open area up to 85%)
- Bridge slot perforation
- Round, square and slot hole perforation with high open areas

### APPLICATION EXAMPLES

- Grain and herb drying
- Biomass drying
- Cheese drying shelves
- Malting floors
- Dryers/coolers for animal feed and food
- Baking trays
- Autoclaves for medical industry
- Computer server racks
- Cooling of engines
- Fluid beds



*Hexagonal perforation*



*Perforation in galvanised steel*



*Round hole perforation in stainless steel*



*Hexagonal perforation with high open area*

### TELL US ABOUT YOUR NEEDS

We welcome new challenges and supply high-quality perforation for all types of environments and in all types of materials. Your goal is our goal: a smooth and cost-efficient production process.





## Safety and protection

### BENEFIT FROM A CHOICE OF DURABLE AND VERSATILE MATERIALS FOR PROTECTIVE SHIELDING, WALKWAYS AND FENCES

Perforated metal sheets are the ideal choice for safety solutions in production environments. They are robust, durable, stable, long-lasting and can be manufactured to suit your needs. Do you want to construct a safe, anti-skid walkway? Are you in search of transparent, protective shielding? Looking for protective screens for machinery to prevent accidents? Contact us at RMIG - we are confident that a perforated metal solution can do the job.

#### RMIG SOLUTION EXAMPLES

- Patterns with anti-skid effect
- Patterns with high open areas (for ventilation or visibility purposes)
- Aesthetic protective solutions
- Expanded metal (high open area)

#### APPLICATION EXAMPLES

- Protective screening on platforms
- Protective screening on accessways
- Protective screening for process equipment
- Anti-skid floors/steps



## Durable sound control

### PERFORATED METAL IS THE LONG-TERM SOLUTION FOR EFFICIENT AND FUNCTIONAL SOUND CONTROL APPLICATIONS

Everywhere around us, noise is becoming an increasingly stressful fact of modern life, for example, from industrial production and power plants as well as engine and traffic noise. Perforated metal can be used to reduce noise emissions from motors and turbines in production facilities. It is also used as sound insulation barriers for environmental protection.

#### VERSATILE APPLICATION OPTIONS

If you use perforated metal as a decorative cover or as protection for acoustic units, the sound waves travel through the 'transparent' screen to the material underneath that reflects, scatters or absorbs sound. Perforated metal can also be used as a resonant sound absorber, which means that it acts to decrease or eliminate sounds in a narrow frequency range. Here, the perforation is not 'transparent', but plays an active part in concentrating the absorbed sounds into a specified frequency range.

#### RMIG SOLUTION EXAMPLES

- Perforation patterns and materials according to requirements
- Coil to coil, sheets, panels ready for installation

#### APPLICATION EXAMPLES

- Air inlet and exhaust silencers
- Acoustic enclosures
- Power plants and off-shore drilling
- Traffic noise reduction screens



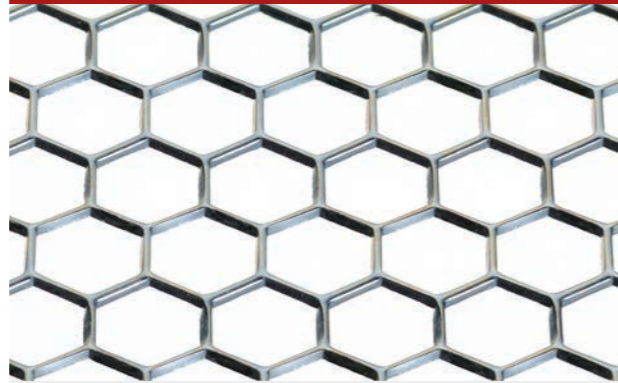


# Discover the scope of the RMIG product range

AT RMIG, YOU WILL FIND THE WORLD'S WIDEST RANGE OF QUALITY PERFORATED METAL SOLUTIONS


RMIG is the world's largest manufacturer and supplier of perforated metal and related products. Benefit from our cross-segment know-how and more than 120 years of supplying all types of industry from agriculture to aerospace. Our wide product range covers standard perforation patterns (e.g. round, square and slot holes), as well as specific perforated products for the processing industry, some of which are illustrated here.

**Hexagonal perforation**




Characteristics: High open area (up to 85%)  
Examples of product use: Ventilation

**Lipped perforation**



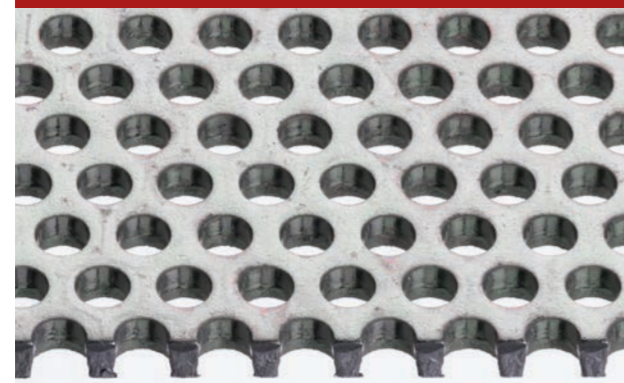
Characteristics: Air flow control, protection  
Examples of product use: Ventilation

**Nose screens**




Characteristics: Air flow control  
Examples of product use: Drying, sorting

**RMIG Premium Perforation**



Characteristics: High strength with hole size  $\leq$  sheet thickness  
Examples of product use: Ventilation, drying, milling

**Trieur**




Characteristics: Specially shaped pockets  
Examples of product use: Sorting, sizing

**Anti-skid**



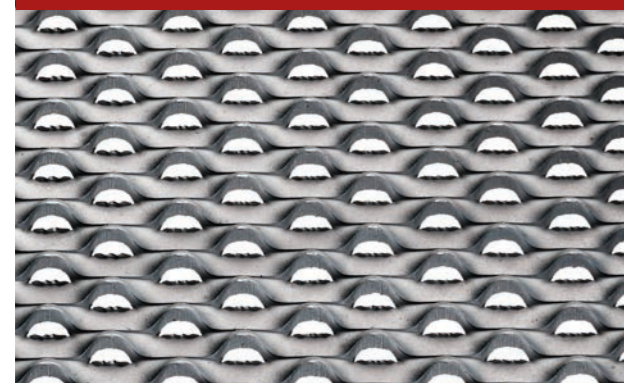
Characteristics: Anti-skid effect  
Examples of product use: Safety solutions

**Small hole perforation**




Characteristics: Stronger alternative to mesh with hole sizes down to 0.30 mm  
Examples of product use: Filtration, milling, drying

**RMIG Perfocon**



Characteristics: Rasping effect, air flow control  
Examples of product use: Milling, drying, filtration

**RMIG Bridge slot perforation**



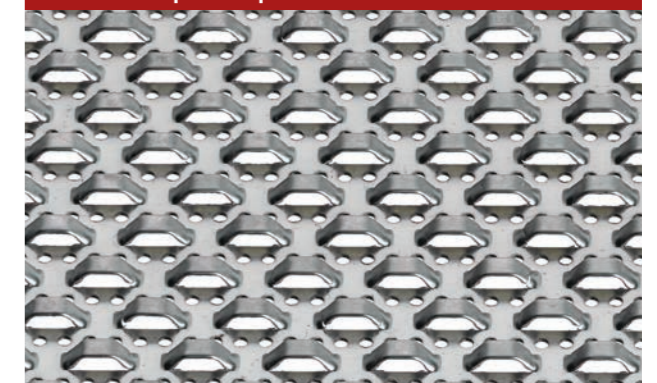
Characteristics: Strength, air or water flow  
Examples of product use: Drying, filtration

**Collared holes**



Characteristics: Smooth hole surface  
Examples of product use: Filtration, fabric processing

**Customer specific patterns**



Characteristics: Various shapes and open area  
Examples of product use: Filtration, sorting, air flow