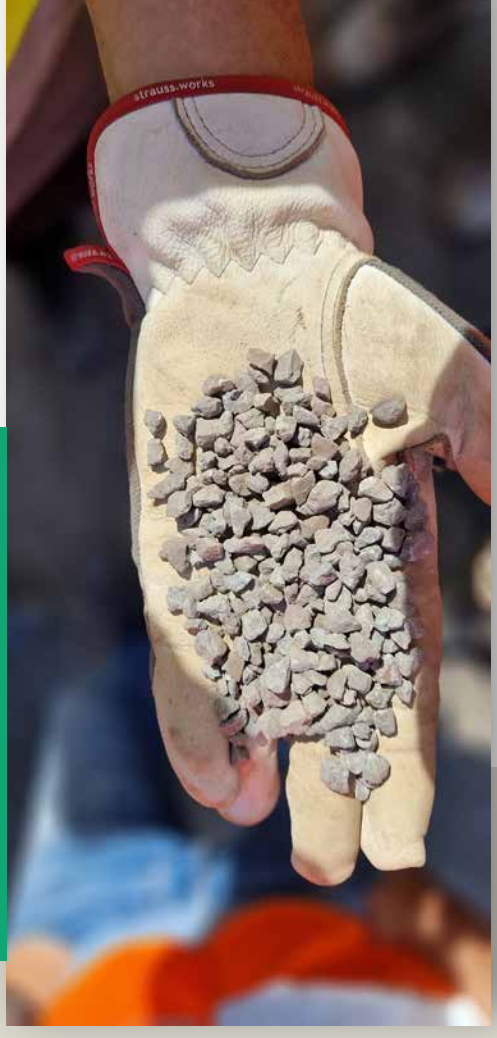
Asphalt Recycling: **addressing various sustainability and economical goals at once**

Asphalt recycling has become increasingly crucial in today's market due to numerous challenges. Aggregates from Reclaimed Asphalt Pavements (RAP) are bituminous materials obtained through the deconstruction or milling of road surfaces.



This process addresses several critical issues:

- Preservation of primary quarry and gravel pit natural resources.
- Reduction of landfill disposal, minimizing environmental impact.
- Promotion of circular economy principles.
- Significant savings on petroleum-based products, including bitumen and fuel for aggregate transportation.
- Mitigation of carbon footprint, aligning with sustainability goals.

Currently, RAP is predominantly processed using HSI crushers, which yield irregular outputs in a closed circuit. However, with our Mag'Impact, we bring a fresh approach with low fragmentation.

Mag'Impact

MAGOTTEAUX

Process optimization services and products for abrasive and impact applications

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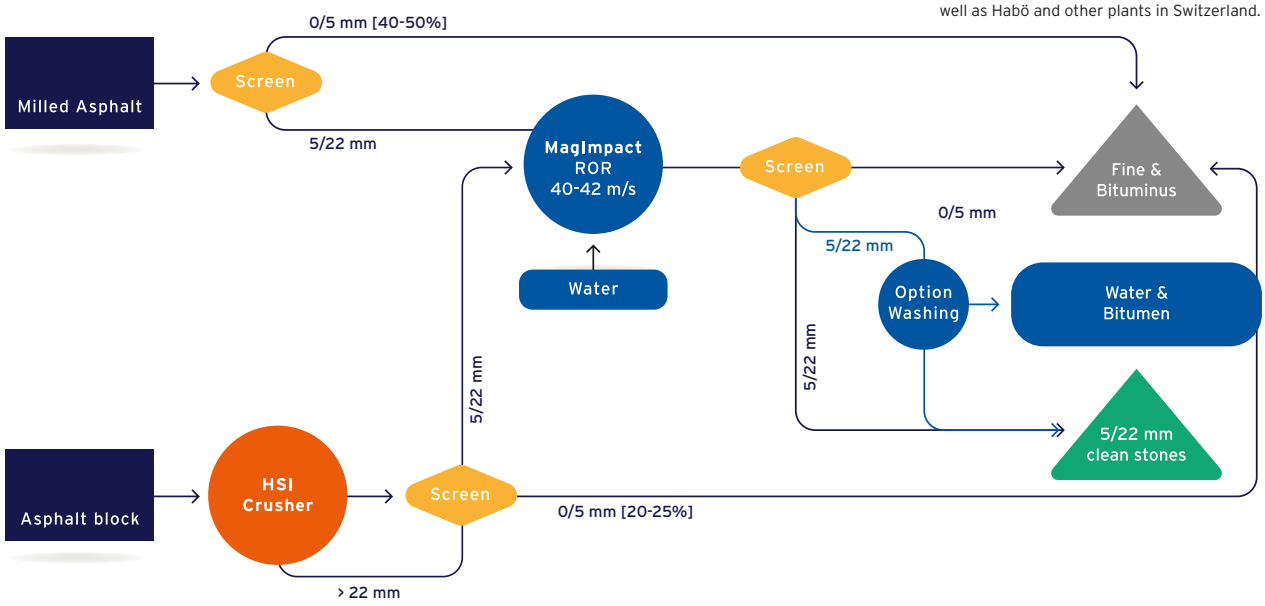
Separating Bitumen and Aggregates with our Mag'Impact

Example used for KWS in the Netherlands, as well as Habö and other plants in Switzerland.



For the cleaning process approach, with a feeding material up to 32 mm, the end products are:

- Cleaned stone with a bituminous content lower than 0.9% in one pass.
- Bituminous-rich sand 0/4 mm with 13-16% bitumen content.

Using the same crusher and an adapted configuration, coarser feeding up to 80 mm can be crushed down to the desired meshes depending on customer needs.

After this crushing step, the cleaning process can be performed as the second step with the appropriate cleaning configuration.

The capacity with the MAGimpact 2100 ranges from 80 to 150 t/h. For higher capacities, the MAG'Impact 2400 is an alternative, with a capacity of up to 250 t/h.

And more ...

- **Proudly manufactured in Europe to the highest industry standards, ensuring quality and reliability.**
- **Internally manufactured, guaranteeing cutting-edge performance and innovation.**
- **Upholds responsible production practices and social responsibility, meeting all European regulations and environmental standards.**

Your advantages

Enhanced control over each component of RAP: Bitumen and Aggregates which:

- Allows for precise control over the composition of reclaimed asphalt pavements (RAP).
- Facilitates increased RAP recycling rates within existing asphalt plants without significant modifications or investments.

The separation process is a novel and effective solution for mastering high-RAP formulations (>50% recycling rate).

Production of clean and hard gravels for reuse in standard manufacturing processes.

Preservation of initial mechanical characteristics such as Los Angeles abrasion resistance index (LA), Polished Stone Value (PSV), and shape index.

Low energy consumption (less than 0,9 kWh/to).

Contact our account managers and experts to get an analyze of your situation and get recommendations to meet and surpass your goals.

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