

ASSET RECOVERY

& Management Group, LTD

Our DBOOM™ Model includes a comprehensive approach to operating and maintaining our installations

Asset Recovery can support any of your current programs such as Chemical, Commodity, Filtration and/or Facility Management.

However, we believe that an **integrated** management package is the most value-added solution. The success of our approach is based on meeting the customer-defined goals, optimizing plant processes and managing the technology and supply chain items that cover the full range of the facility.

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ASSET RECOVERY

& Management Group, LTD

**Integrators of
“Best In Class”
Technology
for
Filtration & Chip
Handling Applications**

Zero Waste

Zero Landfill

Lowest Life Cycle Cost

Who is Asset Recovery & Management Group LTD?

ASSET RECOVERY
& Management Group, LTD

Dear Potential Client,

This brochure is intended to provide an overview of our vision and commitment to a unique business approach. We embrace the methodology of integrating breakthrough technologies to solve a multitude of manufacturing challenges.

Meeting the stringent demands of a "Zero Waste / Zero Landfill" philosophy combined with a "Lowest Life Cycle Cost Mentality" ensures that our partnership with you will result in environmental and financial benefits. Together, we can turn what are traditionally considered waste streams into "recovered assets".

Through this brochure, we are very pleased to introduce you to a sampling of technologies, the companies behind them and their proven results.

We look forward to sharing this vision with you and determining how your business challenges can be met with our "**Best in Class**" solutions.

Sincerely,

Your Asset Recovery
& Management Group Team



Who Determines "Best In Class"?

Actually, our clients do!

Asset Recovery is committed to:

- ◆ Benchmarking process and products in real time, real world production conditions
- ◆ The value of independent 3rd party results to identify future products for the Asset Recovery portfolio
- ◆ Conducting pilot and validation studies/trials globally to ensure "**Best in Class**" remains "**Best in Class**" in today's competitive environment

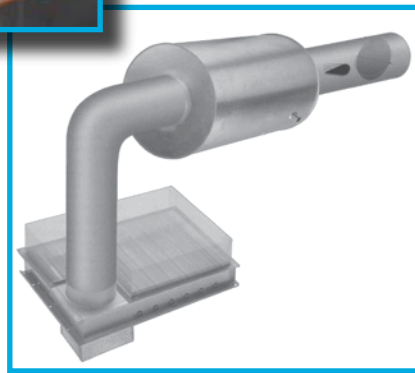
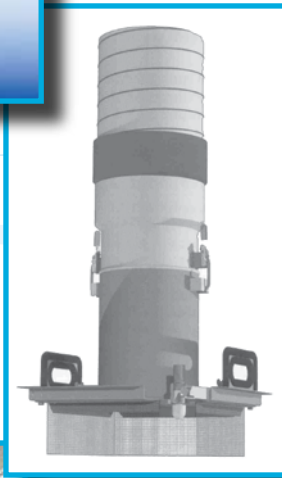


How We Work

A company contracts us to survey an existing or proposed process against best in class benchmarks. From this survey, potential areas of improvement are identified. Our team then develops a series of recommendations for consideration. Upon management's approval, a proposal is generated detailing both a scope of supply and a projected ROI, demonstrating the value of the Asset Recovery and Management Group approach.

Air, Dry Dust & Oil Mist Filtration Products

ROI Versus Initial Cost Philosophy



All solutions utilize permanent filtration media and have been validated in third party studies with 7 - 10 year life expectancy.

Individually or integrated into a complete solution, they meet the most stringent material and/or capture requirements.

- ◆ High efficiency in dust applications (<0.0004 gr/ft³)
- ◆ High efficiency in MQL/Oil mist applications (<0.5 mg/m³)
- ◆ Excellent performance regardless of abrasive particulate streams.



Our targeted clients are those who have realized that buying on price often has the opposite effect on operating costs. Our focus is on cost impact areas over the long term. Accordingly, we are willing to invest in our client programs and jointly fund the project or results.



Financing Alternatives:

◆ DBOOM™ or Design, Build, Own, Operate & Maintain

By accepting what is traditionally the role of a customer, we will find the best technologies, integrate them to give a cost advantage and ensure their performance throughout the life of the program.

◆ Pay By Part

Funding plant or project programs on part revenue, cost sharing or cost improvement programs.

◆ Scrap Recovery Funding

Using the improved value of ferrous or non-ferrous waste streams to fund the capital equipment required and also generate additional revenue that can be used to improve the upstream processes. We are **not** a proponent of "end of pipe" solutions like other companies or scrap dealers.



Automating & Returning the clean stream directly to the Casting or Foundry facility is beneficial.

◆ Full Funding/finance

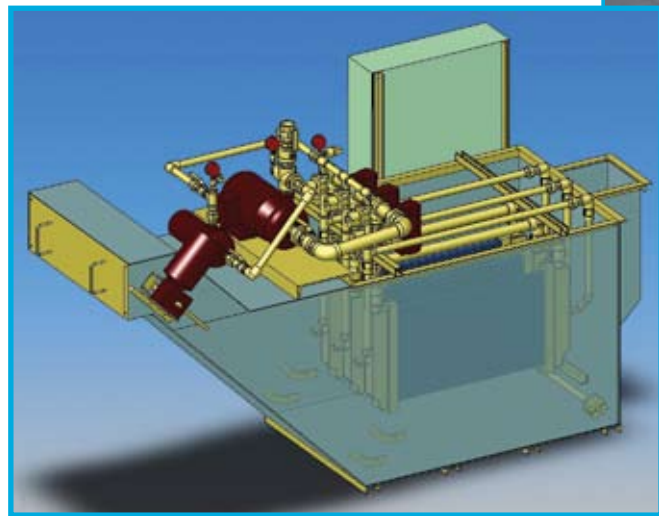
Many clients have adequate capital sources, but our model facilitates identified savings and a superior ROI.

Coolant Filtration Technology

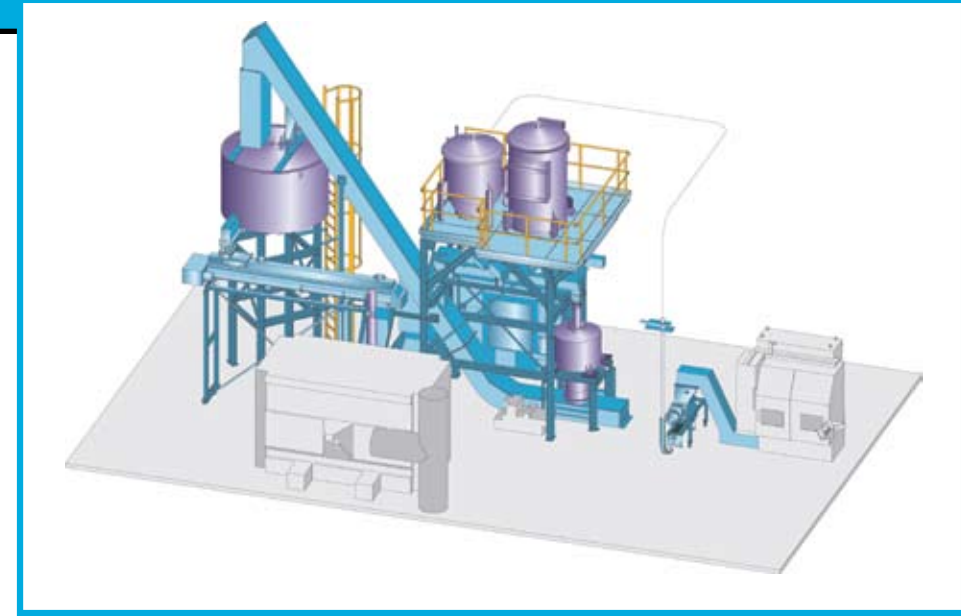
Transportation & Storage Options for Dry & MQL Streams



Local, regional or central variations for “flood and flush” and “through the tool” coolant filtration.



Mon-A-Matic™, Alpha Force™ & Delta Force™ solutions with permanent media filtering down to 2-5 Mu will dramatically improve coolant quality and extend tooling life.



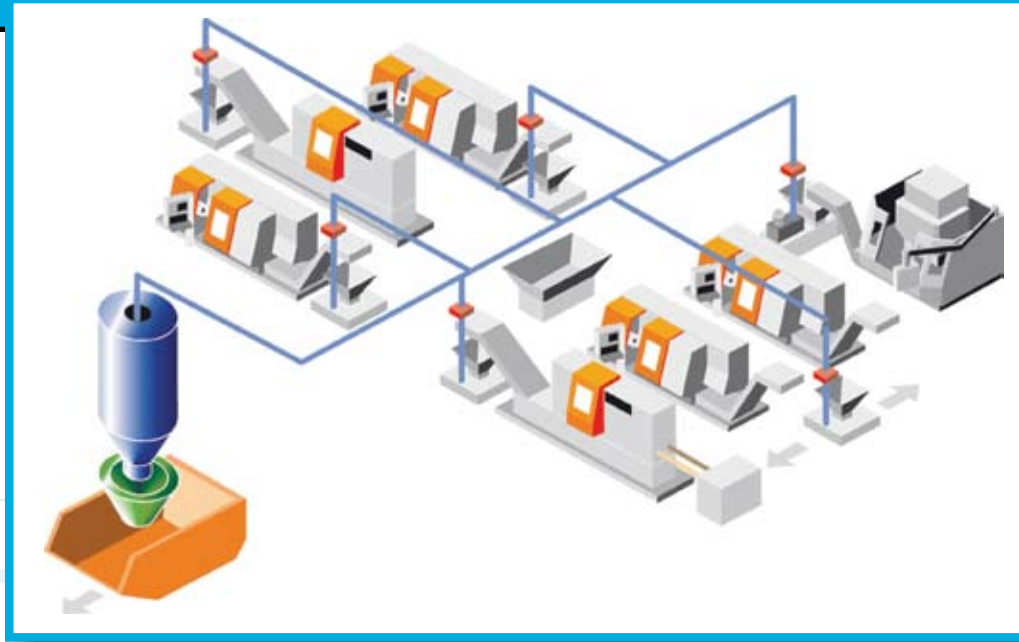
Modular vacuum transport systems with flexibility for future expansion



Intelligent Silo™ Solutions

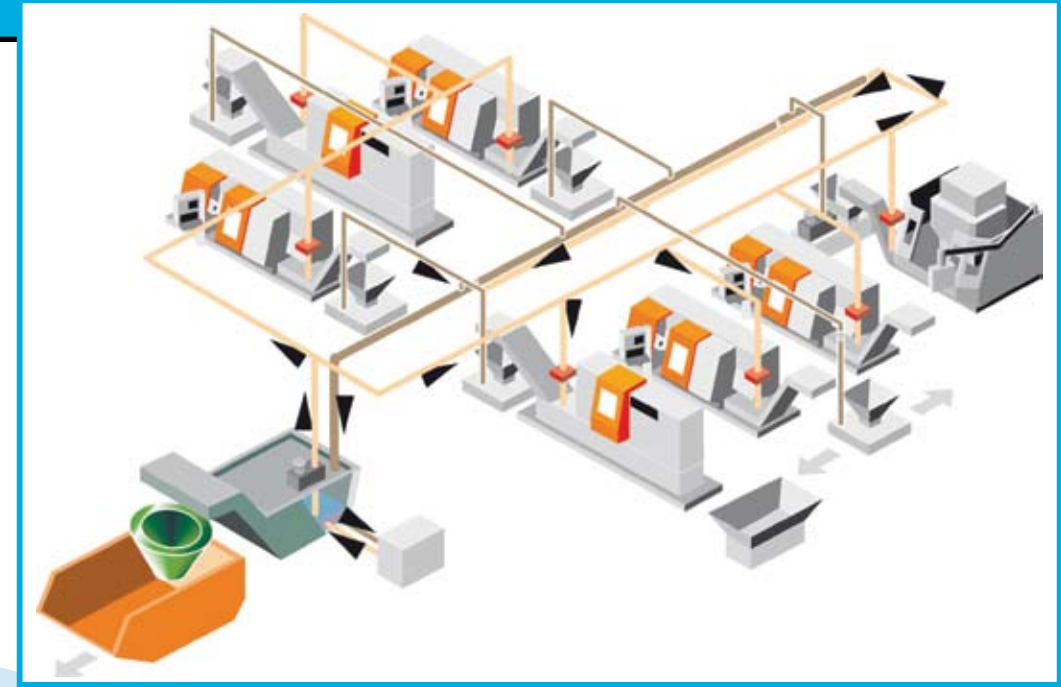


Automatic Chip Conditioning Technology



Automated vacuum transport for multiple machines & materials

Automated Fluid and Chip Transportation Solutions

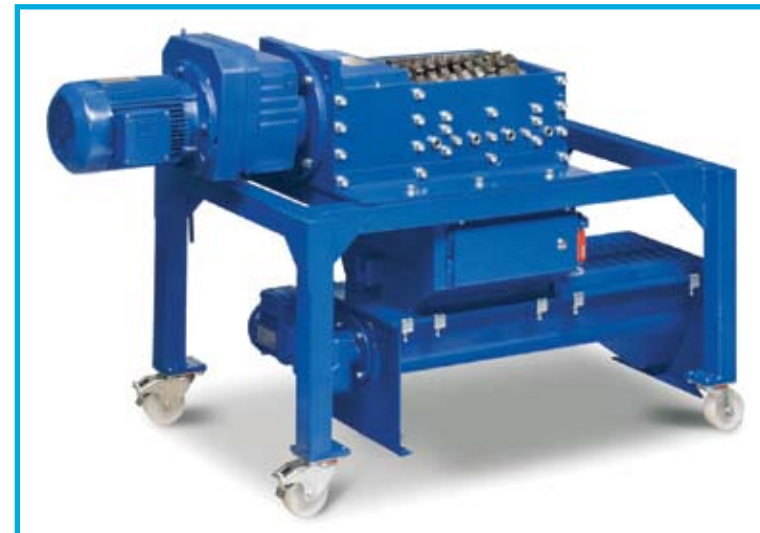


Reliable, robust & flexible designs for multiple machines & materials



Centrifuging to less than 1.5% moisture content

Chip cutters for conditioning prior to transport



Individual Pump Back and Fluid return Solutions



What Makes Asset Recovery Unique?

Challenge Current End of Pipe Designs

Traditionally plants have moved air, liquid and chips to the back of the plant for processing. By moving technical solutions upstream in the process we treat at the source and eliminate double handling.

In-House Process Engineering and Program Management

With expertise in all phases of fluid, chip and air handling systems, our staff has the process and product knowledge to offer unbiased solutions. Our design process starts with concept development, continues through project execution and results in the validation of the original project intent.

System Integration Philosophy

As a full service integrator of "Best in Class" technologies, we are unique in our ability to provide complete design, furnish and install solutions.

Guiding Principles

- Zero Waste and Zero Landfill
- Permanent Media for All Streams
- Robust and Modular Equipment Designs
- Lowest Life Cycle Cost

Extend Coolant & Tool Life Through Finer Filtration

The use of new, innovative filtration systems designed to reduce flow rates, capture finer particulate and dramatically improve the quality, life and performance of tooling and coolants.

An Owner-Operator Perspective

As an owner, we believe that improvements in plant environment and reductions in housekeeping costs can only be realized by investing in innovative and harmonized systems. Accordingly, we avoid building in long-term legacy costs such as labor, disposal, commodities, etc.

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Embracing Environmental and Waste Reduction Initiatives

We strive to contain, capture, collect and recover valuable waste streams, which will exceed current and meet future environmental initiatives.

On-going Search for the next "Best in Class"

Feedback from on-going operations drives our commitment to fund programs that identify, benchmark and validate new processes in our quest for continuous improvement.