ATREX®
G-SERIES
Optimal performance for your benefit
ATREX® is high performance equipment developed by Megatrex. ATREX® optimises your processing results for different materials. The operation is based on effective rotors rotating in opposite directions. ATREX® operates in several different processes as key equipment.

**UNIQUE DESIGN ENSURES PRODUCTIVITY**

In the design of the ATREX® equipment special attention has been paid to reliability, energy economy and easy maintenance in demanding process conditions. The equipment represents unique product development and manufacturing. Within many industries and especially within paper industry the ATREX® equipment has successfully shown great improvement and reliability in demanding processes.

**EFFICIENT RESULTS WITH LOW ENERGY**

The effective rotors of ATREX® equipment rotating in opposite directions enable and optimal processing result for different materials. In the gaps of the rotor vanes and circumferences very strong shear, turbulence and impact forces have an effect on the material to be processed even on the micro level.

The treatment is directly right on target after one single pass and every single input volume unit gets an equal and very strong energy input. By means of the rotors construction and rotating speed the process efficiency can be easily controlled to suit different applications.

**REVOLUTIONARY ATREX® G- SERIES**

Megatrex works constantly to improve the performance of ATREX® technology. Experiences from the past have been carefully considered in the development of the ATREX® G-series. The new-generation ATREX® unit assures highly efficient material treatment in a simple, flexible and compact process. Stable operation and effective grinding, mixing, homogenization, and dispersing results are ensured by unique design of the ATREX® G-series.

**KEY BENEFITS OF ATREX® EQUIPMENT**

- Stable operation and uniform treatment results
- Extremely reliable, safe and user-friendly
- Easy input and output
- No clogging problems
- Compact and durable design
- Low energy consumption
- Reduced total investment costs
- Wide capacity area
- Fast and easy maintenance

SAVE
- RAW MATERIALS
- TRANSPORTATION COSTS
- NATURE
Efficiency and reliability in mixing, grinding, crushing, homogenization and disintegration processes.

more than 95% of the total reject stream can be recovered back to the process.

APPLICATIONS
- DISINTEGRATION
- MIXING
- HOMOGENIZATION
- ACTIVATION
- DISPERSION
- WETTING
- GRINDING
- CRUSHING

SAVE RAW MATERIALS
ATREX® G-series provides an opportunity to an environmentally friendly process to treat the reject flows from the paper and board machines. Reject flows consists of valuable raw materials that can be reused in the process after treating them with ATREX® Reject Recovery Process. It has been shown that more than 95% of the total reject stream can be recovered back to the process, which cuts costs and protects the nature.

CONTINUOUS SLURRY PLANT
Megatrex tailor-makes complete continuous pigment slurry lines for your specific needs. They can handle all the available white pigments for paper industry’s needs. The ATREX® G-series covers a wide range of feed capacities from 0.5 up to 80 metric tons per hour. The most important targets, obtaining the original particle size distribution of pigments, stability of the finished slurry, higher solids content and energy savings of up to 50% are achieved by the ATREX® equipment compared to conventional technology.

MEETING YOUR NEEDS WITH DEDICATION
More than a hundred deliveries and installations have given us a solid foundation for modifying equipment and suggesting improvements for each new application. Fast and flexible operations insure that you get the most efficient and economical method of processing materials. The understanding of customers’ processes and our creative problem solving skills has helped us to maintain customer satisfaction around the world.

<table>
<thead>
<tr>
<th>Model</th>
<th>Rotor diameter mm</th>
<th>Motor kW</th>
<th>Capacity m³/h</th>
<th>Main dimensions, mm</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>w</td>
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<tr>
<td>G30</td>
<td>300 – 500</td>
<td>11 – 30</td>
<td>2 – 15</td>
<td>600</td>
</tr>
<tr>
<td>G160</td>
<td>600 – 700</td>
<td>45 – 160</td>
<td>18 – 40</td>
<td>800</td>
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<tr>
<td>G400</td>
<td>750 – 850</td>
<td>200 – 400</td>
<td>50 – 80</td>
<td>950</td>
</tr>
</tbody>
</table>

These models are a basis for application-specific, customised products. Each product is manufactured case by case according to customer needs.
MEGATREX is the leading supplier of ATREX® Reject Recovery Processes. We develop and market the ATREX® equipment and technology. The engineering work concentrates on manufacturing key components to the machines and assembling units. Megatrex operates globally serving the industry worldwide through our own resources and together with local agents and representatives. We work in close cooperation with our customers, universities, and together with paper and other industries in projects for new applications for ATREX®.

EXTENSIVE SERVICE includes stocking and supplying of spare parts, maintenance, repair and upgrading of equipments when you need it. We also offer trial runs at our test plant in Finland or at customer’s mill with our transportable pilot units.

Megatrex service contracts let you concentrate on your main processes. Just contact us to choose an agreement that best suits your needs.

This brochure is a general product presentation and it is not a guarantee of any kind. All the information contained herein is subject to change without notice. Instructions for use and safety will be given separately.