



Bath processing plants



The technology we developed in this field covers the entire bath cycle, ensuring that a consistent bath materials mixture is returned to the pot. Our technology significantly improves pot operation and current efficiency while overcoming well-known challenges associated with the conventional process.

We are the aluminium industry's most innovative provider of bath processing plants. Our improvements to today's conventional method of processing bath materials make us the first choice for modern aluminium smelters.





Unrivalled bath consistency

We have a unique position to access leading-edge smelter technology, operational feedback from key plants and more than 20 years of experience in bath materials handling systems. This allows us to deliver the industry's most complete bath processing solutions, from treatment of the bath to recipe preparation right up to the overhead cranes and vehicle hoppers.

Health, safety and environment (HSE) benefits

Our fully enclosed conveyors ensure outstanding environmental performance. All the material transfer points are connected to a central dust collector unit. For hot bath treatments, the cooling conveyor hood is connected directly to the GTC duct, ensuring effective gas treatment and enhancing the plant's overall environmental performance.

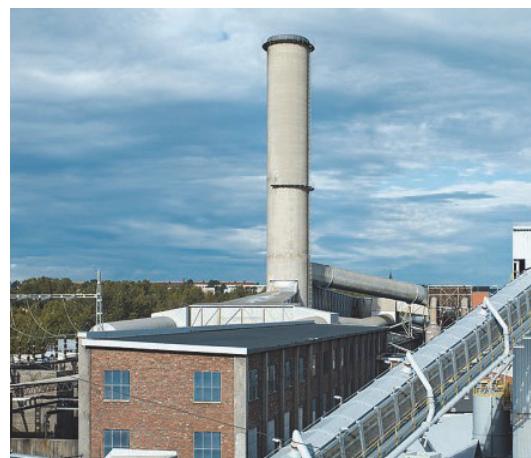
We are certified ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.

Autogenous crushing with gravity discharge

REEL ALESA's crushing process is based on a high capacity autogenous crusher with gravity discharge. The crusher is custom designed to meet your exact bath materials requirements. Low energy consumption, low maintenance and long lifetime are among the benefits generated by our core bath processing equipment.

Bath material mixing

At the outlet of the coarse and fine bath silos, dosing devices are used to accurately feed the two fractions as well as the dust collector fines in the quantity required to maintain mass balance of incoming and outgoing material.



Compelling benefits

Low maintenance

Designed specifically for bath processing plants

Energy efficient

Integrated magnetic separators

Fully automatic unbreakable discharge



REEL Alesa Ltd
Max Hoegger Strasse 6
CH-8048 Zurich
Switzerland

T +41 44 435 33 33
F +41 44 435 33 66

REEL Alesa Ltd
150 Rockland Road Town
Of Mount Royal Quebec
Canada H3P 2V9

T +1 514 937 9105
F +1 514 937 0473

REEL Alesa SAS
Bâtiment B
140 avenue du 12 juillet 1998
Les Milles
13920 Aix-en-Provence, France

T +33 4 42 99 36 49
F +33 4 42 58 07 93

Birrus International PTY Ltd
10 Dandenong Street
Dandenong, Victoria 3175
Australia

T +61 3 9769 2646
F +61 3 9769 2535