

# FLSmidth ABON



**One Source**

**Low Speed Sizers, Chain Feeders, & Rollerscreens**

# FLSmidth ABON



**FLSmidth ABON  
manufactures  
Sizers, Feeders, and  
Rollerscreens that are  
built for reliability and  
performance.**







FLSmidth ABON Pty Ltd manufacture Feeding, Sizing, Crushing and Screening equipment to an ever widening range of industries in the broad sphere of minerals handling and minerals processing by-product activities.

Our manufacturing facility located in Melbourne, Australia is constantly updated with latest technology manufacturing equipment and is designed with the environment, our customers and future growth in mind.

FLSmidth ABON is certified to internationally recognised standards in Quality (ISO 9001), Health and Safety (BS OHSAS 18001 & AS 4801) and Environment (ISO 14001) .

Development of the organisation commenced in 1964, with corporate structure taking place in 1967.

ABON joined the FLSmidth group in 1998. Currently employing 80 full time staff members.

The ABON brand has enjoyed continued growth through recognition and acceptance of our products by major resource companies and mining houses.



# Industry Solutions



**FLSmidth ABON**  
manufactures Feeding,  
Sizing and Screening  
equipment for an ever  
expanding list of  
industries

*Iron Ore Installation ▲*



*Carbon Crushing Installation ▲*





*Bauxite Installation* ▲



*Coal Installation* ▲



*Cement Installation* ▲

## Industries Served

- \\ Aluminium
- \\ Cement
- \\ Coal
- \\ Copper
- \\ Fertiliser
- \\ Gold
- \\ Iron Ore
- \\ Industrial Applications
- \\ Laboratory Applications
- \\ Limestone
- \\ Mineral Applications
- \\ Nickel
- \\ Quarry Applications
- \\ Recycling Application
- \\ Smelter Applications
- \\ Tar Sands



*Nickel Installation* ▲

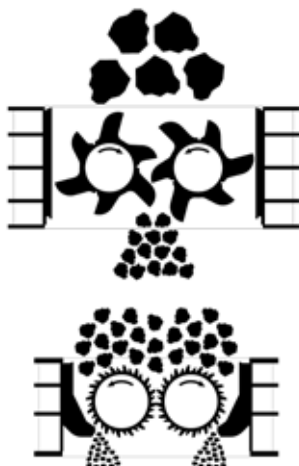


*Bauxite Rollerscreen Installation* ▲

# Low Speed Sizers



**FLSmidth ABON's High Torque and Low Roll Speeds encourage minimal impact on the environment**





Low Speed Sizing is one of the more unique crushing technologies in the world today. A combination of high torque and low roll speeds with a unique tooth profile in the ABON equipment leads to a specified product with a minimum of fines creation.

Throughout the world, ABON Sizers have been commissioned in Primary, Secondary, Tertiary and Quaternary high tonnage coal and ore crushing duties, as well as mobile and semi mobile Inpit Crushing Systems.

Simple infrastructure requirements due to minimal dynamic loads placed on the supports and structure.

Long wear life of consumable components due to positive bite and minimal feed slip.

ABON can also offer a Sampler Sizer for small size reductions at small tonnages for laboratories or sample points in washeries and load-out facilities.

#### **Features of the ABON Low Speed Sizers:**

- ROM feed size up to 2,000 mm
- Capabilities in excess of 10,000 mtp
- Minimal fines creation
- Insensitive to clay and sticky materials
- Pre-scalping of undersize not required
- Exceptionally low headroom requirements
- Suitable for fully or semi mobile Inpit Crushing Systems
- Only simple infrastructure requirements are needed due to minimal dynamic loads placed on the supports and structure

#### **Environmental Features:**

- Generate a minimum of fines
- Create a minimum of dust
- Achieve low noise levels



*Tertiary Sizers via Bifurcated chute ▲*



*Secondary Sizer Retrofit ▲*



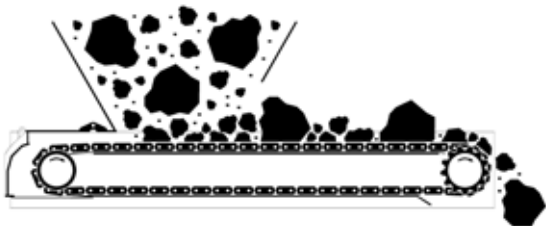
*Inpit Crushing System ▲*

# Chain Feeders



**ABON Chain Feeders to  
suit any Hopper or  
Reclaim Design or  
Retrofit**

*FLSmidth ABON Chain Feeder ▲*



*Heavy Duty Chain Design ▲*



The ABON Chain Feeder is designed to transfer material from the feed side to the discharge side at a metered volumetric rate. Our Chain Feeders can be offered with a horizontal, inclined or “Z” deck configuration, to suit any Hopper or Reclaim design or retrofit.

**Features of our Feeder range:**

- Via modular construction and design, a wide range of lengths can be accommodated to reduce retaining wall height
- A large throat opening encouraging free flow
- Exceptionally low conveyor speeds minimise wear
- Insensitive to clay and sticky materials
- All oil lubrication
- Robust chain design
- Electric Variable Speed Drive is operationally clean and low maintenance

▼ *Dump Station, Chain Feeder, and Primary Sizer*



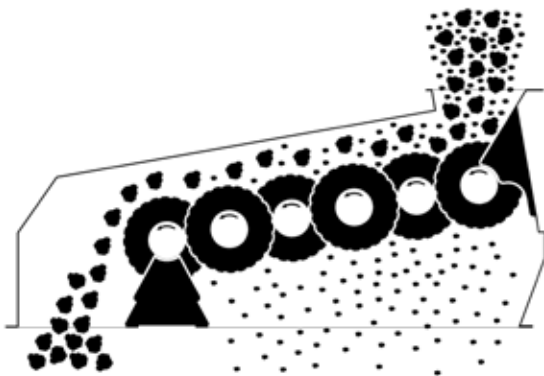
▲ *Reclaim Feeder and Primary Sizer*



# Rollerscreens



**Individual shaft drives  
offer low maintenance  
and high efficiency**







▲ ABON Rollerscreen installed over an ABON Tertiary Sizer

ABON Rollerscreens are available for Primary, Secondary and Tertiary applications. They have been designed to offer the Minerals Industry a low maintenance, high efficiency screening process with a compact footprint

**Features of the ABON Rollerscreens;**

- Ability to handle throughput up to 8000 mtph
- Individual motors, complete with reduction gearboxes directly driving each individual shaft
- Low maintenance
- Simple shaft change-outs
- Ability to handle wet and sticky feed material
- Self cleaning discs
- Compact footprint
- Light weight, yet robust construction



ABON Secondary Rollerscreen ▲

**One Source**

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