









WHAT MAKES US DIFFERENT

- TESTED RUBBER COMPOUND
 Our differentiated rubber compounds have been developed and field tested for long lasting performance.
- EXPERTISE FROM DEDICATED
 LINER-DESIGN CENTRES

Our global design centre provides in-depth technical support to our experienced site support team, ensuring latest design concepts are at the fore.

- Our facility is a purpose-built modern factory running the latest rubber processing technology.
- INTERNATIONAL STANDARD, HIGH-QUALITY RUBBER

The highest quality rubber is selected for maximum wear resistance.

5 WORLD LEADER IN SERVICE EXCELLENCE

Growth Rubber is part of Growth Group, an established world leader in service excellence and the design and manufacture of mineral processing wear solutions.

6 WORLD'S BEST PRACTICES
All our equipment, practices and

procedures are carried out in accordance with ISO standards.

7 ACKNOWLEDGED BY INDONESIAN MINISTRY OF TRADE FOR OUTSTANDING PERFORMANCE

Consistently received Primaniyarta Award as 'Best Performing Exporter' and 'New Market Pioneer Exporter' from the Indonesian Ministry of Trade since 2006.

RUBBER PROPERTIES

PROPERTY	UNIT	GROWTH RUBBER	TYPICAL COMPETITOR
Tensile Strength	MPa	21.8	21
Tear Strength	N/mm	122	80
Elongation at Break	%	665	550
Cut & Chip Resistance*	%	1.5	8
Dry Abrasion Loss, Volume*	mm3	55	70
Hardness	Shore A	64	63

*The lower the unit property, the better for Cut & Chip Resistance and Dry Abrasion Loss, Volume.

ADVANTAGES OF RUBBER



REDUCED WEIGHT > 75% LIGHTER THAN METAL



HIGH ABRASION IMPACT



INCREASED
CHARGE WEIGHT



IMPROVED
SEALING PROPERTIES



QUICKER AND SAFER TO INSTALL



50% NOISE REDUCTION



LOWER COST PER TONNE



EXCELLENT CHEMICAL AND ACID RESISTANCE

PRODUCT APPLICATION

We understand operating conditions can differ significantly from mill to mill. Growth Rubber has one of the best-equipped laboratory for testing and developing differentiated rubber compounds to suit your specific operation requirements.

In conventional Mill Lining Systems, Growth Rubber offers a full range of rubber liners for

- SAG Mills
- AG Mills
- Primary & Secondary Ball Mills
- Regrind Mills
- Lime Mills
- Cement Mills





OUR RUBBER PRODUCTS

All our rubber products are made with quality, tested rubber compounds that meet our international standards. All fully customizable for your needs.

RUBBER MILL LINERS



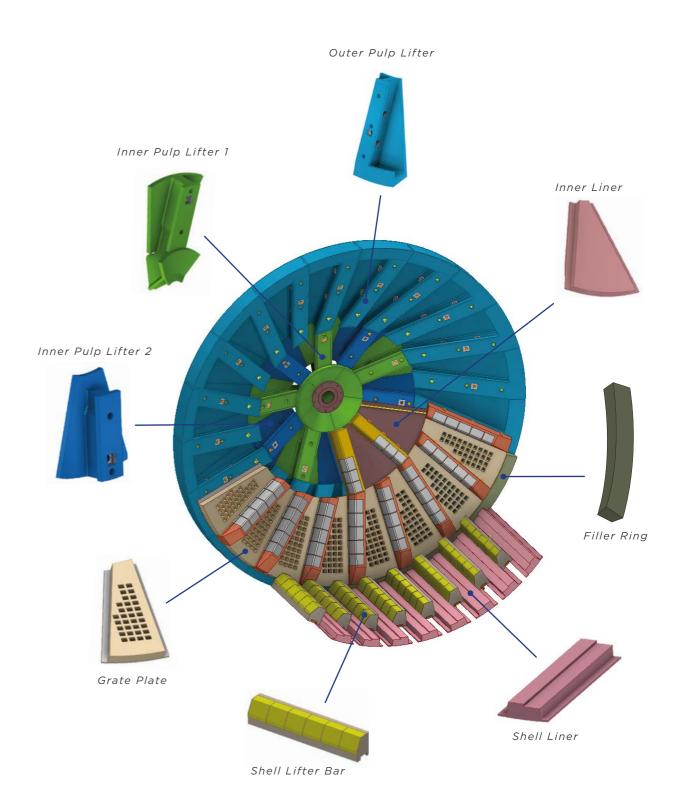
At Growth Rubber we have extended our Steel Mill Liners experience and expertise to a full range of Rubber Mill Liners utilizing uniquely developed polymer compounds.

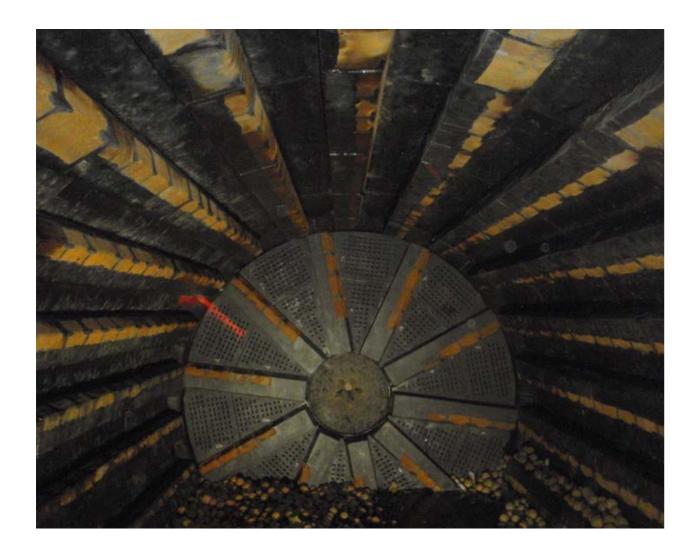
Using the best ingredients available we can produce high quality Lifter Bars, Shell & Head Plates, Discharge Grates and Pulp Lifter systems to meet your specific grinding mill application.

Our state of the art process means we can manufacture components up to 2060mm long thereby reducing the number of parts you need to install in your mill.

To achieve maximum service life our lifter bars incorporate a low profile, aircraft grade aluminium T-Track. Options available also include Mild Steel and Stainless Steel T-Tracks to meet your specific grinding conditions.

RUBBER LINER COMPONENTS





POLY-STEEL MILL LINERS

To create the most wear-resistant and highperformance components, we use Poly-Steel, which combines the best properties of rubber and steel in one product.

Lighter than full steel, Poly-Steel is faster and safer to install while contributing to higher productivity. We provide a wide range of steel inserts, from our Chrome Moly and White Iron inserts to commercially proven high wear and abrasion resistant steel plating.

Each of our casting designs can include multiple casting profiles, face angles and weight specifically tailored to suit your grinding conditions.

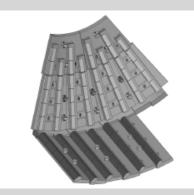
OPTI-LINERS

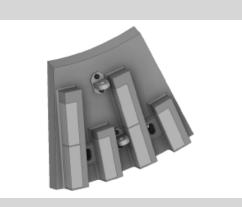
The new Growth Opti-Liner has been developed to combine multiple lifter bar and plate rows into one single unit thereby reducing the number of liner components and speeding up the installation process.

The Opti-Liner system can be made in full rubber or Poly-Steel to suit a variety of milling applications in Ball and SAG Mills. A selection of fixing systems are available for each mill that best suit your method of installation and liner handler capabilities.

Reducing steel liner mill weight is often a challenge but with the Opti-Liner system you can easily combine steel and rubber resulting in improved grinding options with reduced mill weight.

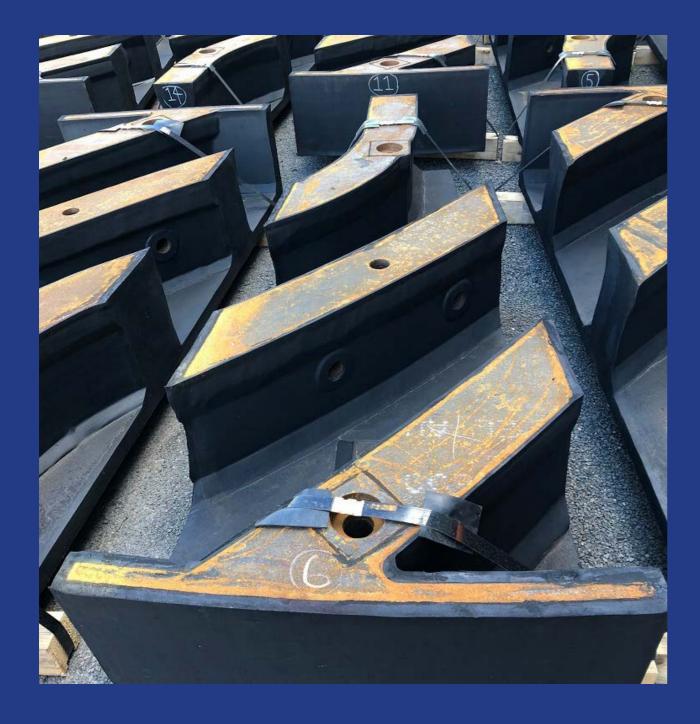
Whether it is to replicate a Ball Mill steel wave design or a SAG Mill steel top hat design, the Growth Opti-Liner System can be adapted for every milling application.









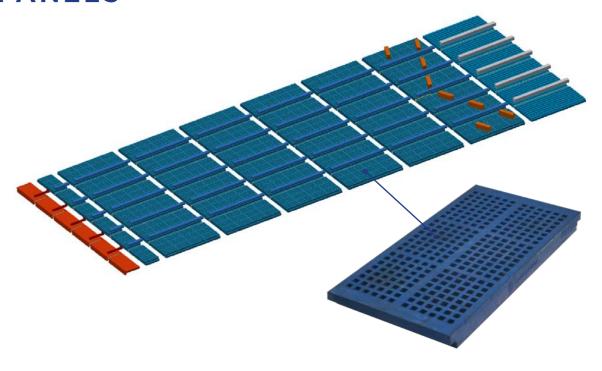


RUBBER LINED PULP SYSTEMS

A successful and well-balanced Mill Liner needs to be supported by combining an advanced and efficient Pulp Lifter System.

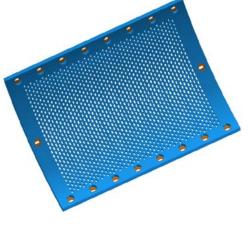
At Growth Rubber we can design, fabricate and rubber cover the most sophisticated pulp lifter configurations that can also incorporate additional high wear zones made with our Chrome Moly, White Iron, Wear Plates and Ceramic inserts giving you a light-weight yet highly abrasion resistant system.

VIBRATING
AND
TROMMEL
SCREEN
PANELS



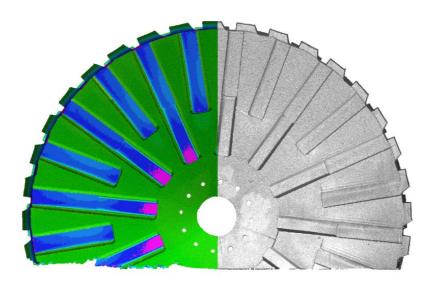






Customized aperture configuration for optimum performance





RUBBER DESIGN CAPABILITIES

At Growth Rubber we know the importance of an optimized Mill Liner design. That is why we utilize the latest design and simulation software to ensure your Mill Liner System will provide optimal grinding performance at the lowest operational cost.

- Computer-Aided Design (CAD)
- 3D DEM Simulation
- 3D Laser Scanning

CONTACT US

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GROW WITH US