



FC Mill Liners, Inc.
a FUCASA company

50
FUCASA
Est. 1970



Reliable Supplier
of Custom Mill Liners

MILL LINER SPECIALISTS

FC Mill Liners, Inc. is the North America sales and support center for high-quality mill liners designed and manufactured by Fundidora de Cananea, S.A. Founded in 1970, FUCASA has been producing mill liners since the early 1980s and has become the main supplier of cast iron and steel mill liners for AG, SAG, ball and rod mills in Mexico.



A PROVEN SUPPLIER



- ★ US HQ/Mexico HQ and production facility
- Mexico customer locations



ALTOS HORNOS DE MEXICO

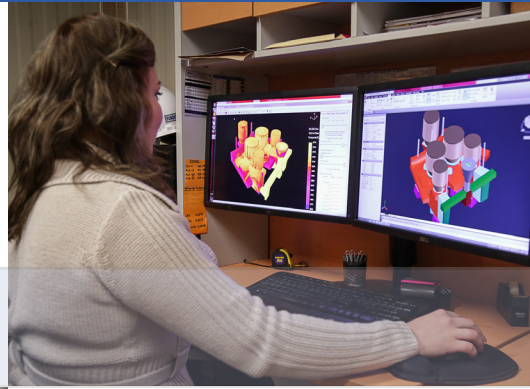


AGNICO EAGLE



CAPABILITIES TO DELIVER WHAT YOU NEED

- 3D Simulation and rapid prototyping technology for quick product design



- On site pattern manufacturing to streamline first article sampling and expedite product development



- Flexible manufacturing processes allow for a wide range of mill liner designs



- Versatile molding capability to support small and large production quantities



- In-house heat treatment expertise to ensure desired mechanical properties

FOCUS ON QUALITY

- Chemistry analysis laboratory to ensure alloy element control



- Metallurgical laboratory for verification of microstructure and heat treatment control

- 100% magnetic particle testing for crack detection
- Ultrasonic testing to verify internal soundness



- 100% hardness testing to verify heat treatment and desired mechanical properties
- 100% dimensional gauging to ensure fit

- Chemistry and hardness certification for all products
- Batch traceability for quick product tracking



OPTIMAL DESIGN FOR CONSISTENT GRINDING PERFORMANCE

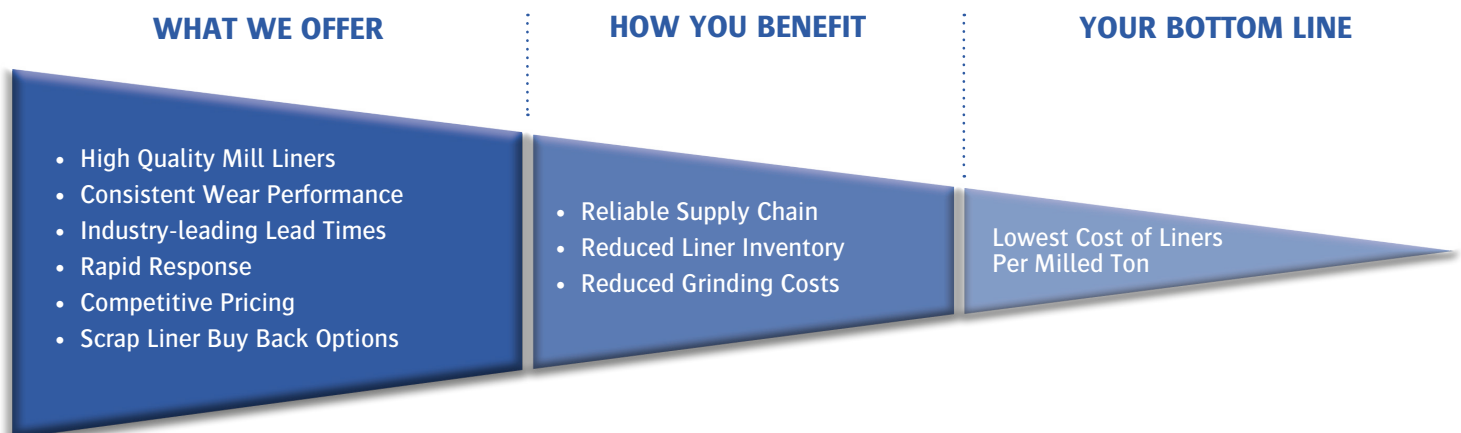
Our process combines a continuous cycle of design optimization with expertise in abrasion and impact resistant alloys and precision heat treatment to produce application-specific mill liners with consistent wear life.

| Alloys | Typical Applications |
|--|---|
| FC DuraPro™ Liners and Accessories Pearlitic Chrome-Molybdenum Steel | SAG, rod and ball mill shell liners, feed end liners, discharge end liners, lifter bars, grates, filler rings, filler blocks, pulp lifters and dischargers |
| FC ProLiner™ Liners and Accessories Martensitic White Irons | AG, rod and ball mill shell liners, feed end liners, discharge end liners, lifter bars, grates, filler rings, filler blocks, pulp lifters and dischargers, chute liners |
| FC WearPro™ Liners and Accessories Martensitic Tool Steel | SAG feed and discharge end liners, chute liners |



A DEPENDABLE BUSINESS PARTNER

Our commitment is to be a reliable supply chain partner of high quality mill liners, delivered when you expect them at a competitive price.



ALLOY SPECIFICATIONS

| | FC DuraPro™ | | | FC WearPro™ | FC ProLiner™ | | |
|---------------------------------------|-------------|-----------|----------|-----------------|----------------------|----------------------|-----------------------|
| Grade | FCA-11 | FCA-12 | FCA-13 | FCA-21 | FCA-31 | FCA-32 | FCA-33 |
| Equivalent Standard | ASM Low C | ASM Med C | ASM Hi C | ASTM A597 CH-12 | ASTM A532 Class II B | ASTM A532 Class II B | ASTM A532 Class III A |
| Surface Brinell Hardness (BHN) | | | | | | | |
| Range | 300-370 | 310-400 | 330-420 | 510-550 | 610 min | 610 min | 610 min |

All liner alloys are produced to international specifications and can be customized to meet specific applications and challenges.



CONTACT US

To find out more about how we can help you reduce your grinding costs, visit us at FCMillLiners.com or contact us at Info@FCMillLiners.com

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