



2019

PRODUCT SHOWCASE





**DESIGN AND
FABRICATE IN
ITALY**



**OPERATING
WORLDWIDE**



**ADVANCED
TECHNOLOGIES**



**OCRIM
MILLING
SCHOOL**



NEW FACILITY



**NEW
MILLING
HUB**



**INTERNATIONAL
PARTNERS**

RECENT PROJECTS

Ocrim is an Italian company based in Cremona operating since 1945, owned by Antolini's family, offering solutions for milling sector.

Ocrim designs and develops milling plants for wheat, corn and cereals, feed mills, electrical systems, silos and grain conveying systems.

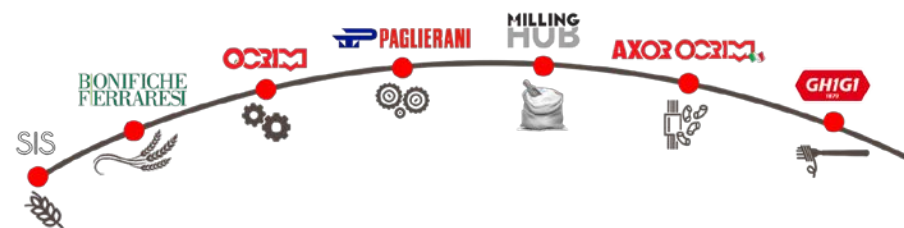
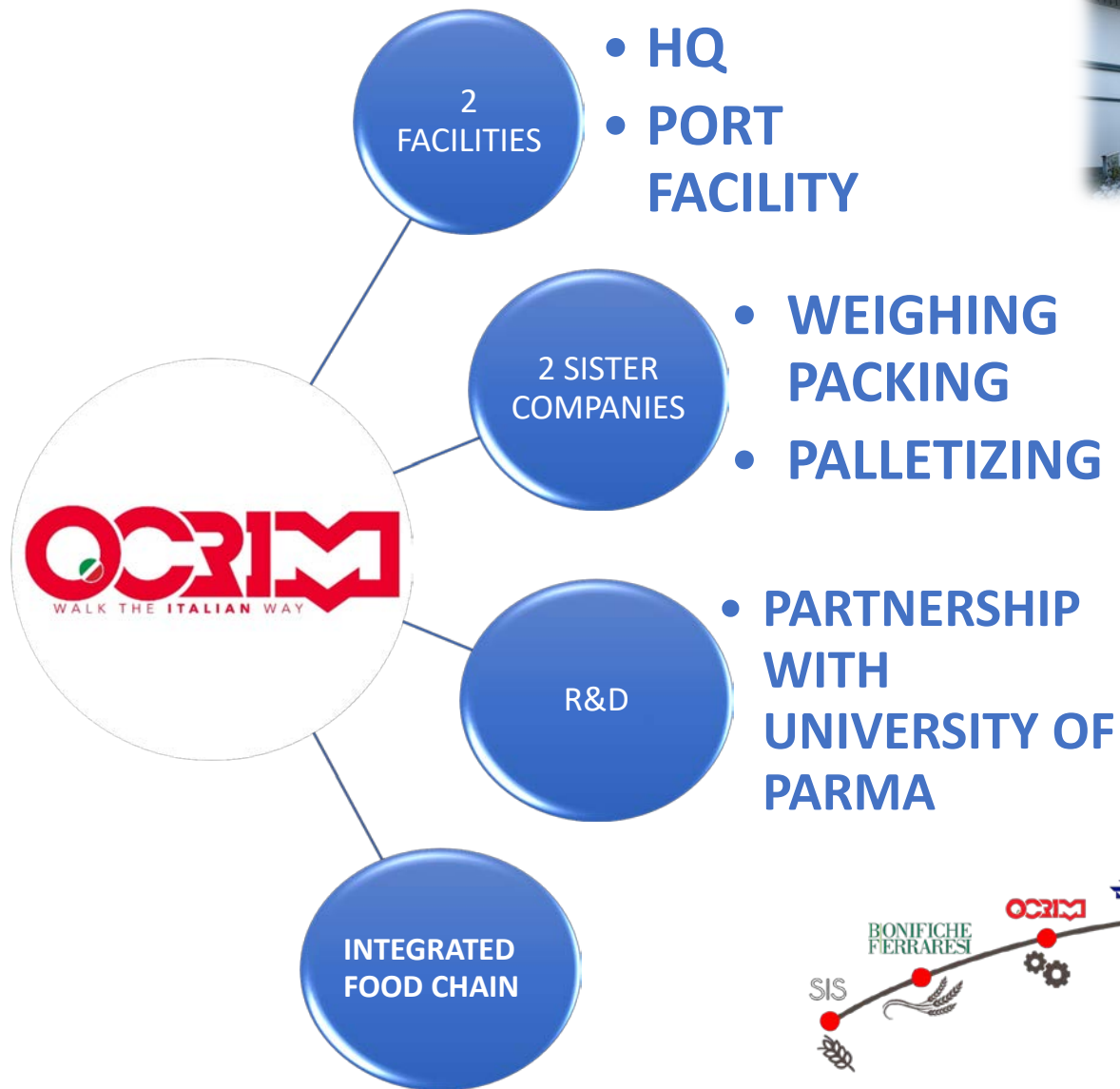
**Location: Indonesia, Bogasari
Capacity: 21000 tons/24h**

**Location: Oklahoma, ADM
Capacity: 900 tons/24h**

**Location: India, Daily Flour Mill
Capacity: 900 tons/24h**



THE WORLD OF



TITANIUM ROLL



**OCRIM
PROUDLY
PRESENTS**

I AM TITANIUM

With the aim to optimize and enhance the mill's operation, Ocrim has decided to focus on the grinding rolls, designing a solution that would help in reducing both time and maintenance costs: **titanium-coated rolls** for the fluted passages in the grinding process.



4x HIGHER IN HARDNESS

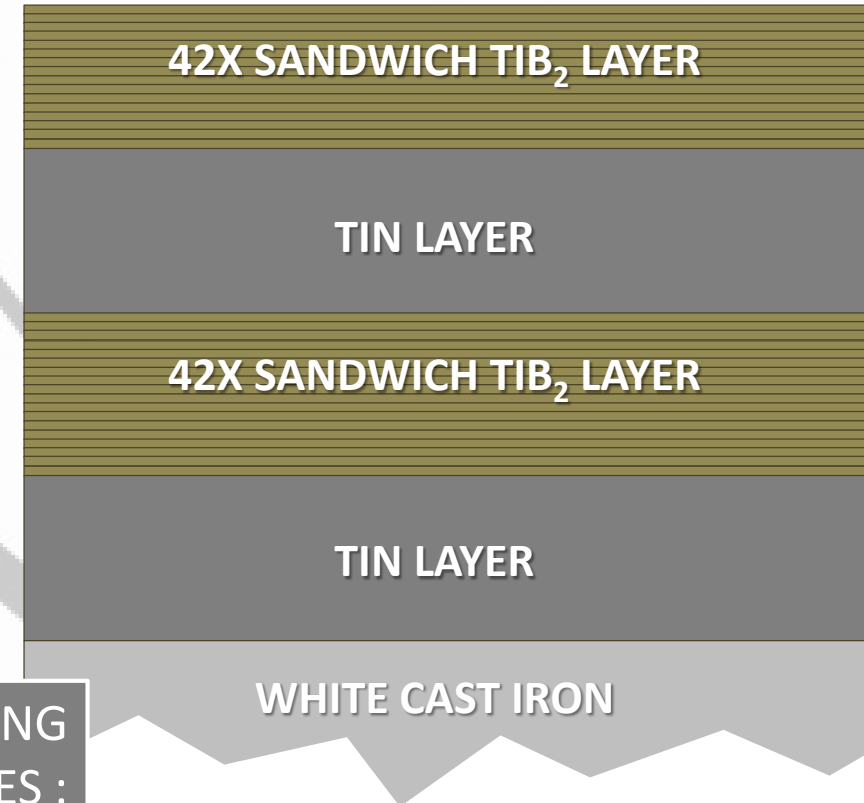
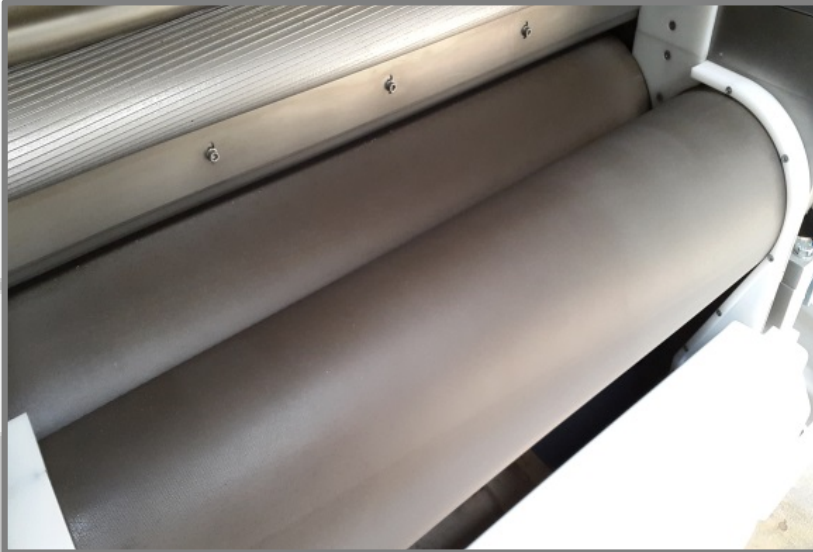
2200 HB vs 560HB

FLUTING LASTS MORE

LESS MAINTENANCE COSTS



I AM TITANIUM



COATED BY PACVD PROCESS BY TWO INDIVIDUAL COATING PROCEDURES :

1. TIN LAYER + 42X SANDWICH TiB_2 LAYER +
2. TIN LAYER + 42X SANDWICH TiB_2 LAYER



I AM TITANIUM

Plant yield is strongly affected by the state of the fluting of the rollers. With new fluting, it is possible to obtain the nominal yield of the plant because it is in the best conditions to achieve what is envisaged by the diagram, therefore it is crucial that the profile of the roller fluting is maintained for as long as possible.

NOMINAL PLANT YIELD LASTS LONGER

+
LESS MAINTENANCE COSTS

With Titanium rollers the ideal configuration of the plant lasts longer, remaining as unaltered as possible.



TITANIUM ROLLERS – FIELD TEST

Titanium-coated rollers were tested on a running Mill in Italy during the last year. After installing the rollers and adjusting them, it was requested not to make further adjustments until the next check.



- With new Titanium rollers the average granulometry of the outgoing product was 885 microns



- After 100,000 tons the average granulometry shifted to 950 microns

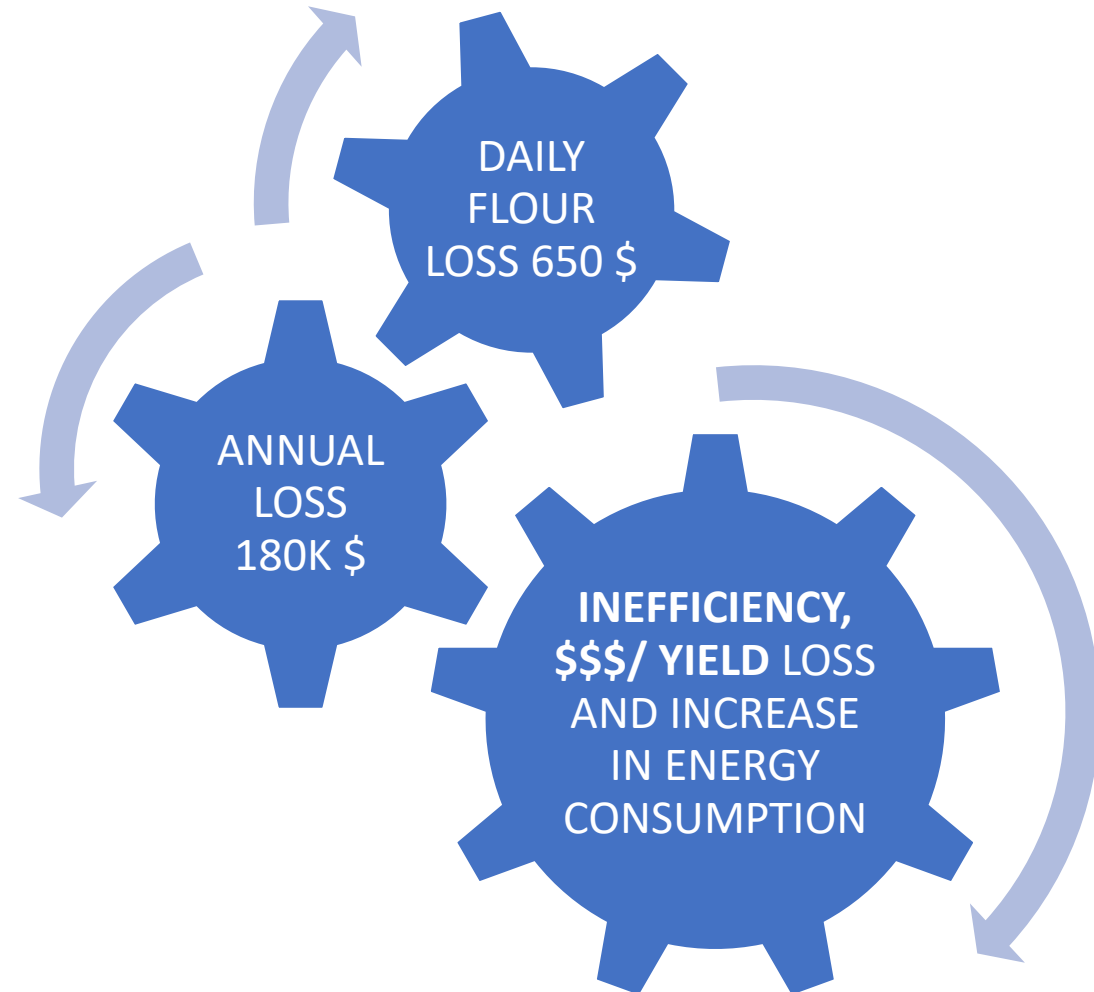
The granulometry value has not changed much, synonymous with an insignificant wear of the roller.



CORRUGATION/PLANT YIELD



A drop of **0.5%** in yield
for a 300TpD flour mill, causes:



TITANIUM ROLLS ADVANTAGE

CUTTING
MAINTENANCE
COSTS AND TIME
SAVING

INCREASING OF
MILL
PRODUCTIVITY

REDUCING PLANT
STOPS TO CHANGE
ROLLERS

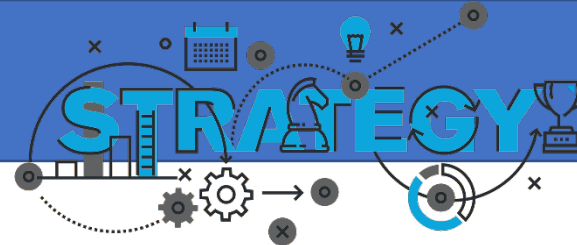
REDUCING PLANT
YIELD LOSS

LOWERING COSTS
FOR RENEWAL OF
ROLLERS FLUTING

Based on our field test and results obtained, the titanium-coated rollers are more cost-effective than the traditional ones.



OCRIM NEW ONLINE



OCRIM.COM

