



WWW.UGURPROMILLING.COM

TURNKEY FLOUR MILLS.SINCE 1955
FLOUR MILL MAINTENANCE

WELCOME
GARIP CANTEMIR
SALES&MARKETING DIRECTOR



WHO IS UĞUR PROMILLING





UGUR PROMILLING ESTABLISHED IN 1955 IN TURKEY

- COMPLETED +500 TURNKEY PROJECT ALL OVER THE WORLD
- EX-PORTS OVER +120 CONTRIES
- USE LATEST PRODCUTION TECHNOLOGIES
- TURN-KEY FLOUR MILLS PROJECT
- TURN KEY WHEAT SEMOLINA MILL PROJECT
- TURN KEY MAIZE FLOUR MILL PROJECT
- TURN KEY MAIZE SEMOLINA MILL PROJECT
- DESIGN AND BUILD STEEL BUILDING,PORT PROJECT, AUTOMATION SYSTEM

FLOUR MILL MAINTENANCE

- Flour Mills Used to works 6 Days a Week and keeping one Day for maintenance.
- *Now Most mills are running 7 Days 24Hrs.
- *Maintenance schedule time Increased and Flour Mills Become Busier.

METHODS OF MILL MAINTANANCE

WHY THE MAINTENANCE IMPORTANT?

- KEEP THE MILL RUNNING
 - KEEP THE MILL CLEAN(DUST AND BUG FREE OPERATION)
 - MINIMIZE THE DOWN TIME
 - MAXIMIZE THE UPTIME
 - KEEP THE YIELD (EXTRACTION AS EXPECTED)
-

KEEP THE MILL RUNNING





KEEP THE MILL CLEAN&BUG FREE



MINIMUM DOWN TIME&MAXIMUM UP TIME





uğur
promilling

KEEP THE YIELD MAXIMUM



1-CORRECTIVE MAINTANNACE (EMERGENCY MAINTENANCE)

- This Kind of Maintenance, Break down or Repair Maintenance, If some machinery break down, chock we need to repair it.
- This kind of Maintenance Loosing Production time.
- It can damage the other machinery and equipment's during the break Down.









uğur
promilling

2-SCHEDULED MAINTENANCE(PERIODICAL)

- Aim is Minimize the Emergency Maintenance.
- It Will improve Strength before any Break down.
- Avoiding break down during the operation.
- Daily Maintenance
- Weekly maintenance
- Long Term Maintenance



uğur
promilling

- Periodic Maintenance As;
- -Inspection
- -Adjusting
- -Replacing

DAILY INSPECTION SUCH AS;

- Inspecting Dust, Temperature, Humidity, Vibration, Noise, Corrosion.
 - Maintenance.
 - -Our aim is Bug and Dust Free operation
 - -Checking Magnets and cleaning if has not self cleaning system.
 - -Checking All the Belts and making Adjustments. -
-



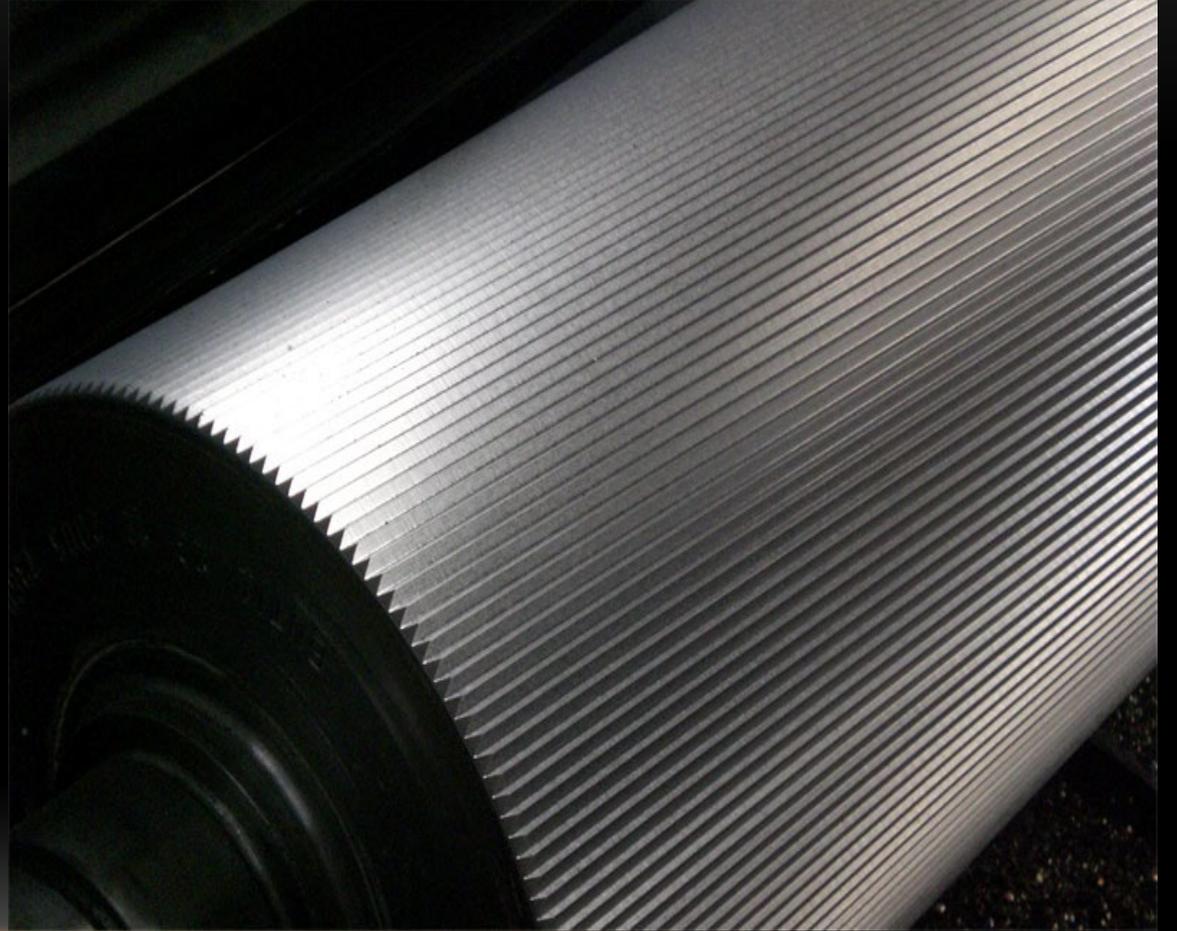
uğur
promilling





uęur
promilling

ROLLS SAND BLASTING&REFLUTING



CHECKING SIEVES









uęur
promilling







uğur
promilling



- Checking Compressors. We need Good Drier for compressor. Water can damage the Pneumatic components.
- *Checking Bearing Temperature.
- Checking and cleaning Magnets
- *Checking Balance on Machinery Like Pneumatic Fan, Entoleter which machinery speed 3.000 Rpm. If there is Balance on Machinery It will damage on Housing, It will heat also Bearings.
- *Maintain and adjusting Rolls, Scrapers, Brushes and cleaning feed Rolls. Checking Position of Rolls.

- Checking Surface of Smooth Rolls
- Checking sifters, In Long term checking Sifter sieve, Sifter cleaners.
- Checking Purifiers, Make sure brushes are working, Mechanical Inspection make sure changing wearing parts.
- Making sure filter are functioning, Checking airlocks and pneumatic lines,
- Finished Product silos has to be completely empty and cleaned time to Time.
- All mixing and dosing scale has to be checked
- Calibration of Truck scales has to be made regularly.
- Leakage on Pipes, Air valve has to be checked Also.





uğur
promilling





uğur
promilling



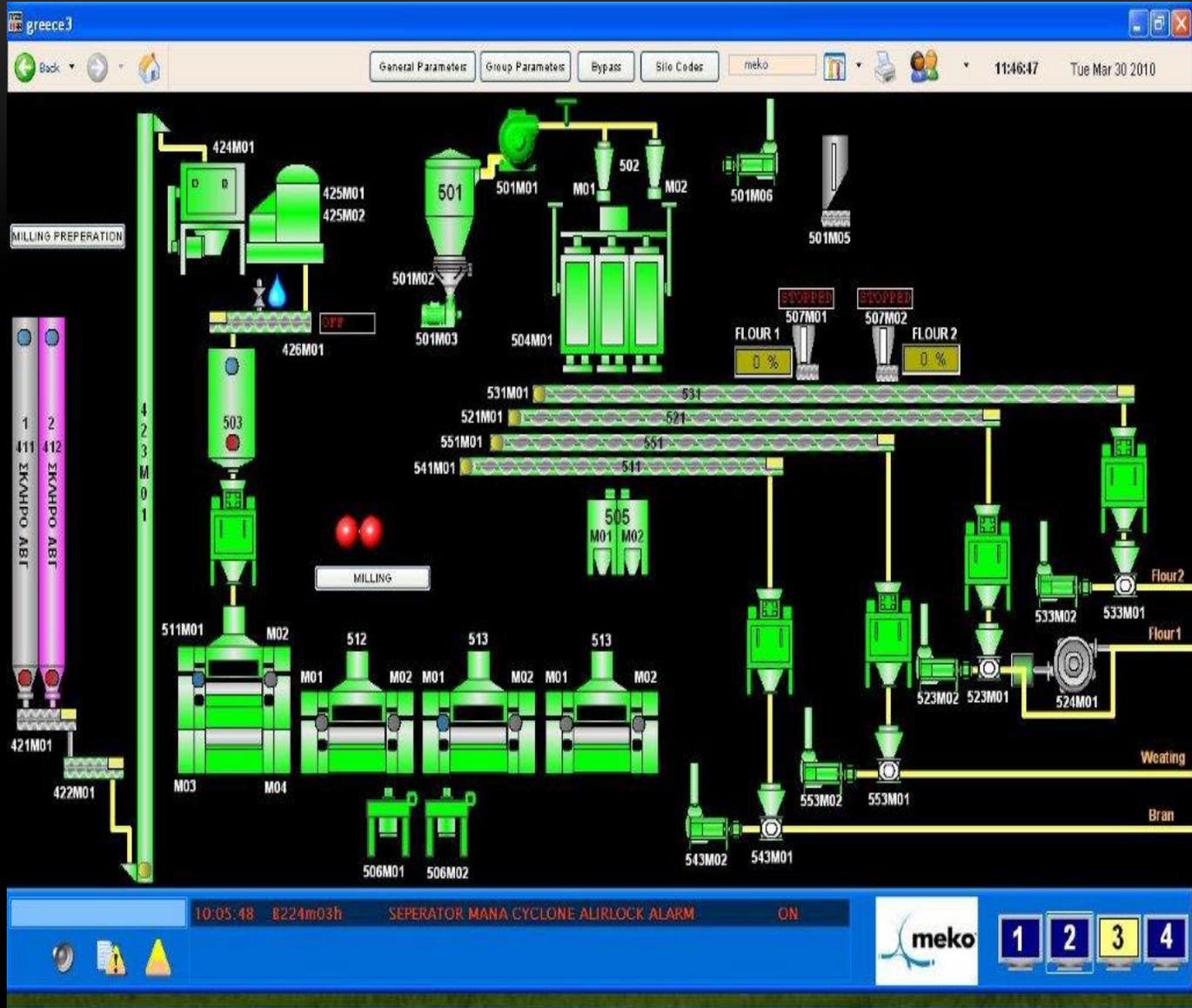


uğur
promilling



PLANNING THE MAINTANANCE

- Need to have good trained team.
- Computer system can be useful for records.
- Lost of computer Program has got lots of activities like maintenance task,
- Work orders.
- Equipment's story.(Serial Number, Capacity, Motor Power etc)
- Critical Spare Parts has to be in Stock.
- Supplier of Spares has to be on record, Life time and performance is important.



HOW CAN WE SAVE ON MILL MAINTANCE

- Flour Milling Machinery need Daily maintenance.
- Aim of maintenance
- Maximum Uptime
- Minimum Break Time
- For This;
- We have to Optimize Running Cost and Minimize it.
- We can keep the performance of Machinery.
- Keep The Extraction(Yield)

- Expected Life time of Machinery and Equipment's Increases. About 8 to 10 Years
 - Break Down Time Will be reduced like 25-30% and labor cost will be decrease
 - Production Loss decreases 20-25%
 - Quality of the product will be kept the same.
 - It will be saving 15 to 20% from stock cost of Spare parts.
 - Saving on energy cost 3 to 5%
-



- THANK YOU FOR LISTENING
- WWW.UGURPROMILLING.COM
- gcantemir@ugurpromilling.com