E. B. BRADSHAW & SONS LTD, DRIFFIELD, EASTERN YORKSHIRE, ENGLAND PROCESSING SOFT WHEAT- 200 T/24H

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MILLING REVOLUTION

OMAS HAS BEEN CHOSEN BY THE CUSTOMER TO EXECUTE THIS PROJECT, ESSENTIALY FOR 3 MAIN REASONS:

1) FOOD SAFETY AND FLOUR QUALITY.

2) SIGNIFICANT REDUCTION IN ELECTRIC ENERGY CONSUMPTION AND MINIMAL EMISSION OF CO2.

3) THE DESIGN OF THE PROJECT WAS MUTUALLY AGREED TO MINIMIZE THE BUILDING DIMENSIONS.

THE MILL CAN BE REMOTELY OPERATED EVEN TO DEFINE DIFFERENT ROLL SPEEDS FOR EACH ROLLERMILL.
IT IS ALSO POSSIBLE TO OPTIMIZE THE MILL PRODUCTION IN FUNCTION OF THE CUSTOMER SPECIFICATIONS.

THE MILLER CAN REMOTELY USE THE IPAD TO MAKE CHANGES AND CONTROL THE OPERATION OF THE MILL; IT IS ALSO POSSIBLE TO RECEIVE THE DATA OUTPUTS AND OPTIMIZE THE TIMING OF THE MAINTENANCE PROGRAM.

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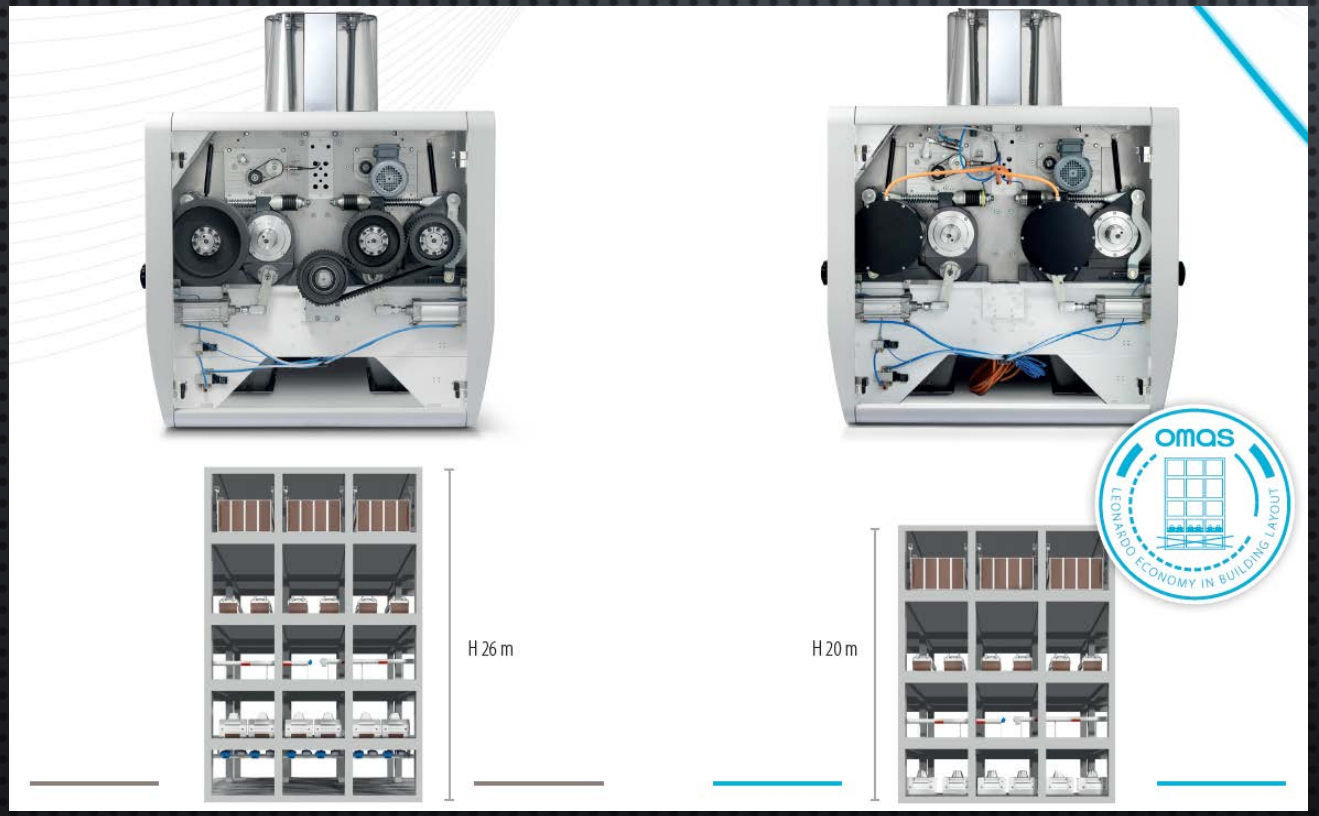
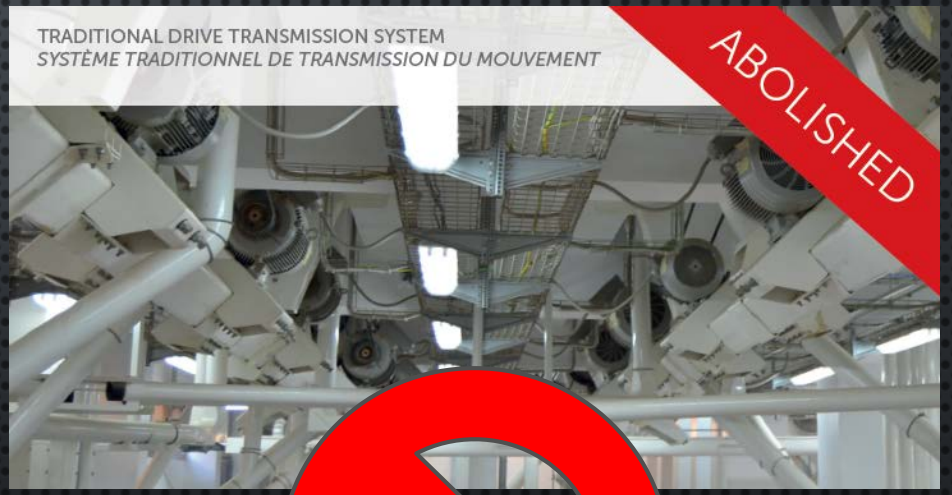
THE DESIGN OF THE MILL BUILDING WAS MADE BY OMAS. THANKS TO THIS DESIGN IT WAS POSSIBLE TO REDUCE THE HEIGHT OF THE BUILDING AND THEREFORE REDUCE THE BUILDING COST. THE LEONARDO ROLLERMILL MOTORS ARE DIRECTLY MOUNTED ON EACH ROLL, THERE IS NO NEED TO HAVE THE REINFORCED FIRST FLOOR. THIS RESULTS IN A SIGNIFICANT SAVING OF THE BUILDING COST AND A HUGE SAVING ALSO FOR THE COST OF THE FOUNDATIONS; TOTAL SAVINGS ARE ABOUT 25%.





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THE ROLLER MILLS WILL BE INSTALLED ABOVE THE FLOOR WITH SUPPORT LEGS, THUS ALLOWING EASIER CLEANING AND INSPECTION OF THE MACHINE.
THE BUILDING CAN BE WINDOWLESS, AND EQUIPPED WITH AIR CONDITIONING AND RECIRCULATION SYSTEM. THIS CAN GUARANTEE, EVEN IN WINTER, THE CORRECT TEMPERATURE INSIDE THE MILL.
THIS SYSTEM HAS THE ADVANTAGE OF PREVENTING CONDENSATION AND MOLD ISSUES.
THE LEONARDO ROLLERMILL HAS VERY LOW NOISE EMISSION.

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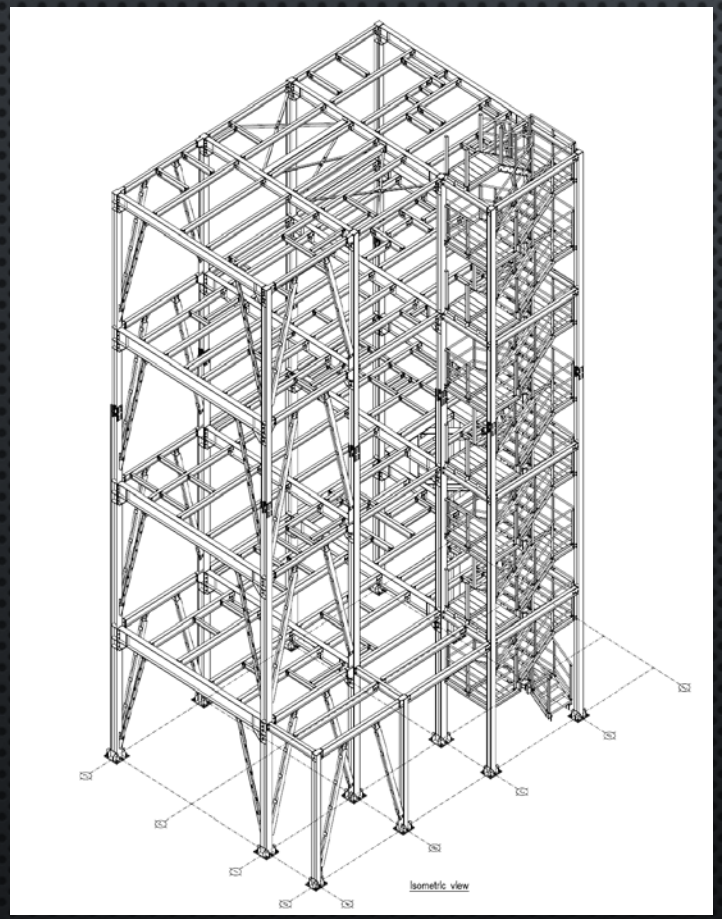
LIWAYWAY H.C.L. VIETNAM
MILL PROCESSING CORN AND RICE
CAPACITY- 100 T/24H



THE MAIN GOAL OF THE PROJECT WAS TO CREATE A SWING MILL IN A RESTRICTED SPACE INSIDE AN EXISTING WAREHOUSE. THE METAL FRAMEWORK WAS SUPPLIED BY OMAS AND INSTALLED IN A VERY SHORT TIME.

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THANKS THE TORQUE TECHNOLOGY, AND ACCORDING TO THE TECHNOLOGICAL FLOW SHEET, IT'S POSSIBLE TO WORK IN A «DULL TO DULL» CONFIGURATION WITH AN HIGH DIFFERENTIAL SPEED SET-UP BETWEEN THE ROLLS, WHERE YOU HAVE THE MAXIMUM YIELD OF THE RICE FLOUR, OR CHANGE TO A «SHARP TO SHARP» CONFIGURATION WITH A LOW DIFFERENTIAL SPEED SET-UP BETWEEN THE ROLLS, WHERE YOU HAVE THE MAXIMUM YIELD OF CORN FLOUR.

YOU CAN SET THE SPEED FOR EACH ROLLS DIRECTLY FROM THE MACHINE CONTROL UNIT

YOU DECIDE HOW FAST TO SET THE FAST ROLL AND HOW SLOW TO SET THE SLOW ROLL AT THE MOMENT.

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TOO KARAT – KAZAKHSTAN
150 T/24H SOFT/HARD FLOUR MILL

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OMAS TURN-KEY PROJECT

- POLE TYPE FOUNDATION DUE TO COMPLEX SOIL GEOLOGY
- GRAIN STORAGE CAPACITY 13.000 TONS
- FLOUR MILL CAPACITY 120 T/24H DEDICATED FOR PASTA PRODUCTION
- FINISHED PRODUCT STORAGE 4000 SQ.M.

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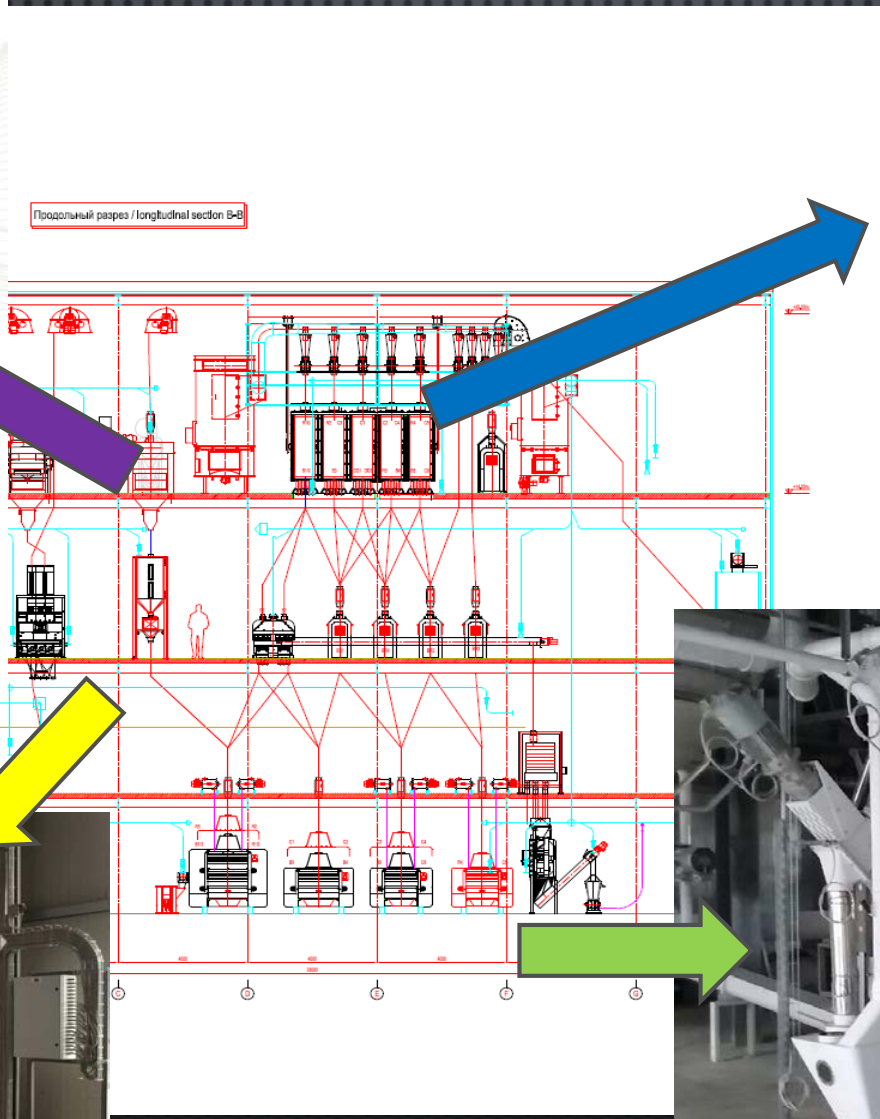
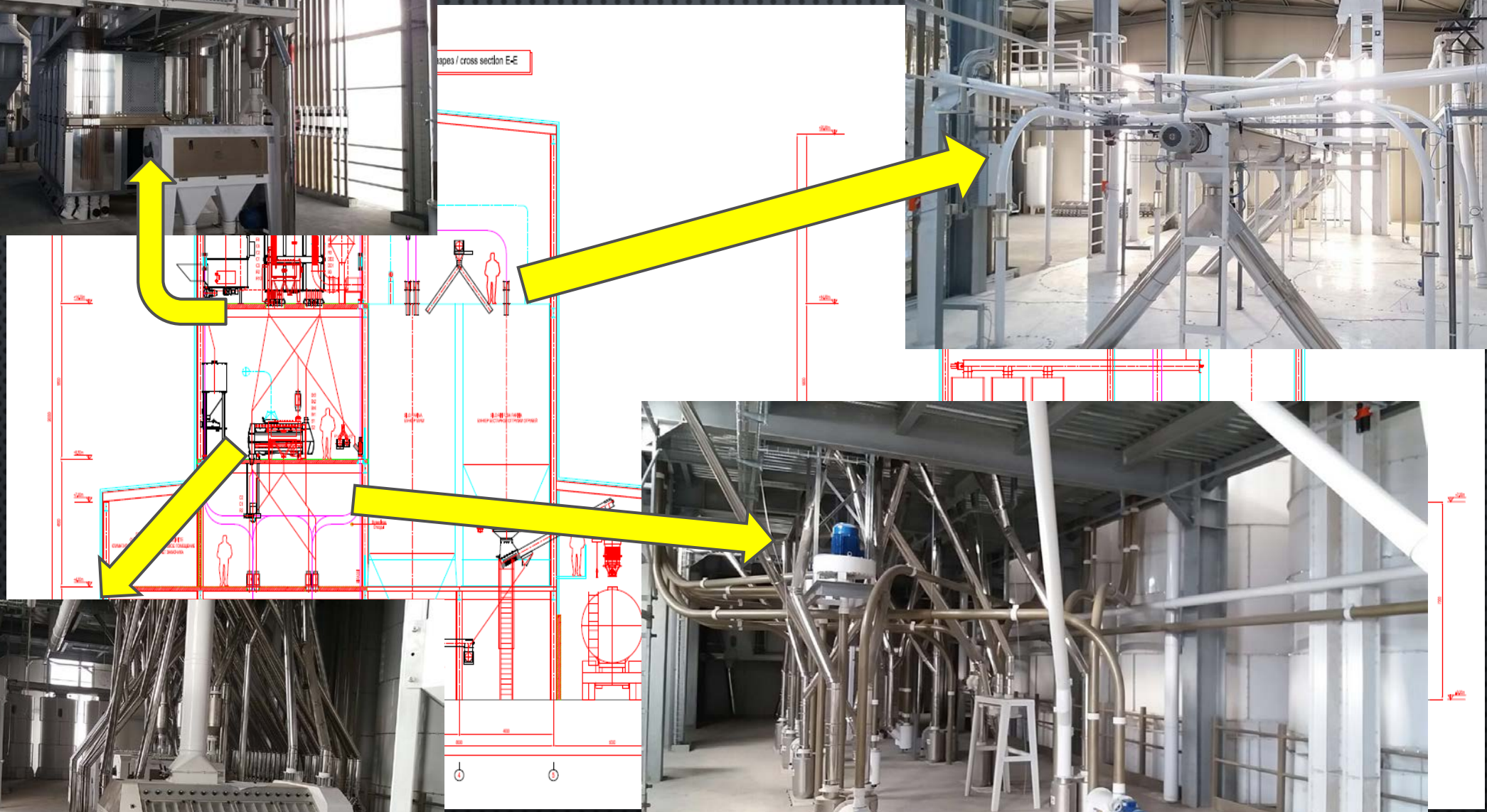

Продольный разрез / longitudinal section B-B



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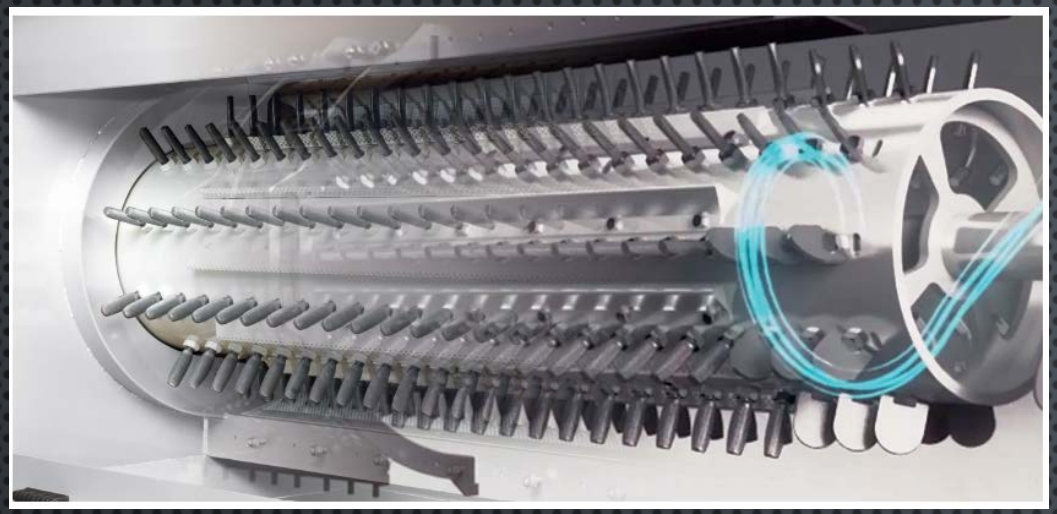
MILLING REVOLUTION



IN ADDITION TO THE WHEAT SEPARATOR, THE DESTONER AND THE OPTICAL COLOUR SORTER, THE CLEANING SECTION WILL BE FURTHER EQUIPPED WITH AN INTENSIVE STERILIZER UNIT "GIOTTO". THIS MACHINE IMPROVES THE DEGREE OF WHEAT HYGIENE BY REMOVING THE OUTER LAYERS OF CELLULOSE FROM 0.2 TO 0.5%, THUS REMOVING INORGANIC IMPURITIES SUCH AS

- **Fertilizer residues**
- **Insecticides**
- **Metals contaminants**

AND ALSO REMOVING ORGANIC IMPURITIES:

- **Fungus, mold,**
- **Bacteria,**
- **Mycotoxins.**

THE ELIMINATION OF THE OUTER BRAN LAYER WILL ALLOW A SHORTER TEMPERING TIME, UP TO 45%. FURTHERMORE THE STERILIZER «GIOTTO» ACHIEVES A LOWER ASH CONTENT IN THE FLOUR, IMPROVING OVERALL COLOR.

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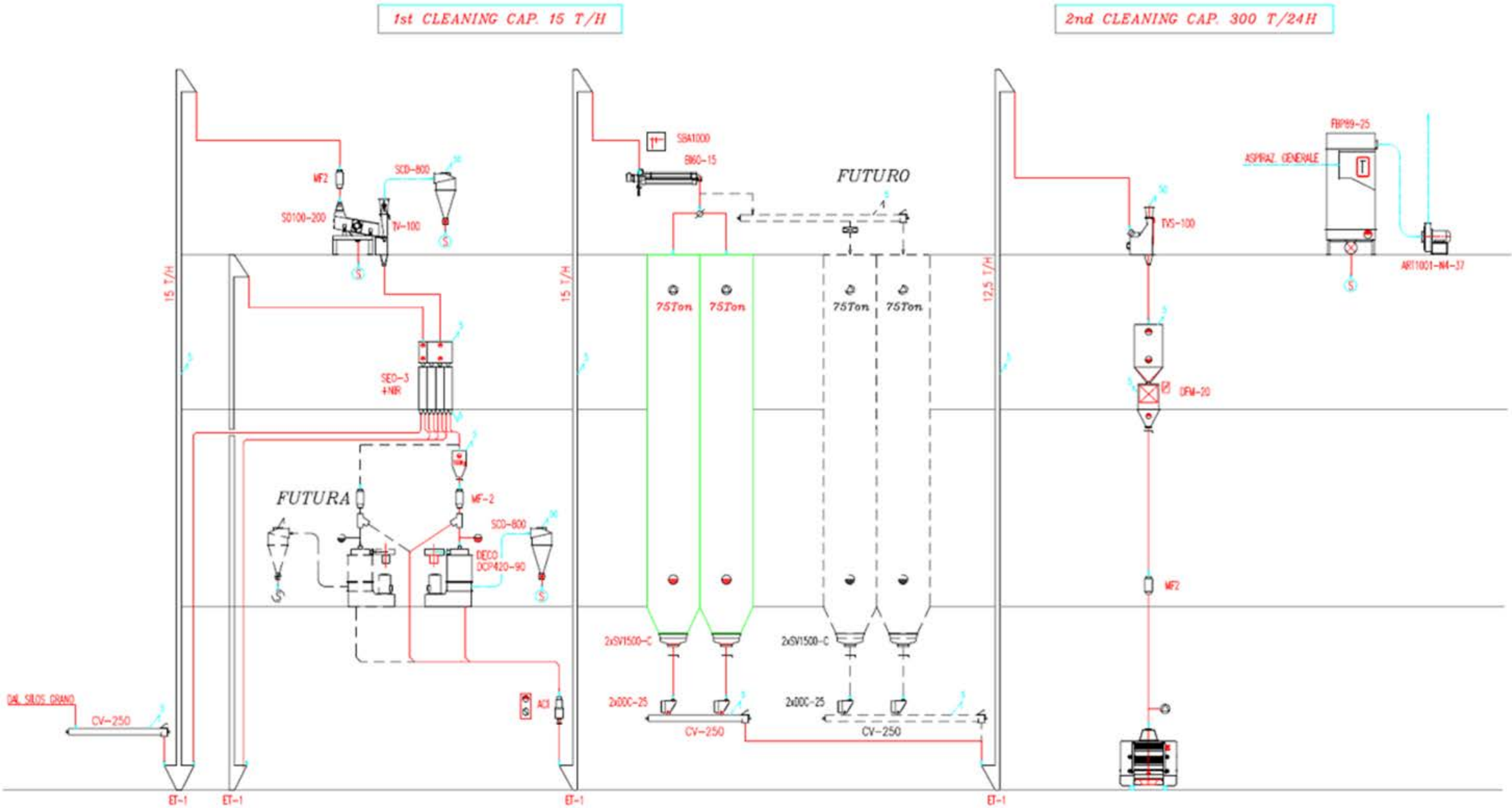
1st CLEANING CAP. 15 T/H
2nd CLEANING CAP. 300 T/24H
FUTURO
FUTURA
75Ton
75Ton
75Ton
75Ton
15 T/H
15 T/H
12,5 T/H
MF2
SCD-800
SD100-200
TV-100
SEO-3
+NIR
MF-2
SCD-800
DECO
DCP420-90
SBA1000
BI60-15
2xSV1500-C
2xSV1500-C
2xDDC-25
2xDDC-25
CV-250
CV-250
CV-250
DAL SILOS GRANO
ACI
ET-1
ET-1
ET-1
ET-1
TVS-100
DFM-20
MF2
FBP89-25
ASPIRAZ. GENERALE
ART1001-N4-37

NEW PROJECTS COMING SOON…

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