



# 1500 EXPERT

## DESCRIPTION:

THIS MODEL OF ROLLER MILL PRODUCES WHEAT FLOUR "ALL-PURPOSE ~0.55% ASH" & WHEAT FLOUR "BREAD ~0.8% ASH" PROCESSING 1500 LB. / 700 KG OF GRAIN PER HOUR.

~0.55% ASH FLOUR IS MEDIUM IN GLUTEN PROTEIN CONTENT AT 9.5-11.5% PROTEIN CONTENT. IT HAS ADEQUATE PROTEIN CONTENT FOR MANY BREAD AND PIZZA BASES, THOUGH ~0.8% ASH FLOUR IS OFTEN PREFERRED FOR THESE PURPOSES, RESPECTIVELY, ESPECIALLY BY ARTISAN BAKERS. SOME BISCUITS ARE ALSO COOKED USING THIS TYPE OF FLOUR. ~0.55% ASH FLOUR REFERS NOT ONLY TO MIDDLING GLUTEN CONTENT BUT ALSO TO ITS LACK OF ANY ADDED LEAVENING AGENT (AS IN SELF-RISING FLOUR). ~0.8% ASH FLOUR OR STRONG FLOUR IS HIGH IN GLUTEN PROTEIN, WITH 11.5-13.5% PROTEIN. THE INCREASED PROTEIN BINDS TO THE FLOUR TO ENTRAP CARBON DIOXIDE RELEASED BY THE YEAST FERMENTATION PROCESS, RESULTING IN A HIGHER RISE AND CHEWIER CRUST.

OUR MILL'S UNBLEACHED FLOUR (FRESHLY MILLED FLOUR IS YELLOWISH) MAINTAINS MORE GLUTEN-PRODUCING POTENTIAL. BETTER BAKING FLOUR EFFECT CAN BE ACHIEVED BY LETTING THE FLOUR OXIDIZE WITH OXYGEN IN THE AIR ("NATURAL AGING") FOR APPROXIMATELY 10 DAYS.

THIS MODEL IS DESIGNED FOR COMMERCIAL TWENTY-FOUR-HOUR USE.

DURING OPERATION, THERE IS PRACTICALLY NO NEED FOR ADDITIONAL MACHINERY OR TOOLS, MOST PARTS CAN BE PURCHASED LOCALLY. GRINDING ROLLERS ARE HIGHLY WEAR-RESISTANT AND CAN WITHSTAND UP TO EIGHT ADDITIONAL RE-CORRUGATIONS.

SIMPLE SERVICING PROCEDURE REQUIRES TWO OPERATORS, USING THE OPERATIONS MANUAL AVAILABLE EITHER IN PRINT OR DIGITAL VERSION. PRODUCT CHANGE-OVER TIME

TAKES ONLY 15 MINUTES.

SPECIALIZED BUILDINGS ARE NOT NECESSARY. EXISTING WAREHOUSE STYLE BUILDINGS WITH THE MILL INSTALLED ON A SINGLE FLOOR AND MINIMAL HEIGHT CLEARANCE IS A STANDARD FOR THIS MILL. THE MILL COMBINES MINIMAL ELECTRICAL CONSUMPTION AND EASY PORTABILITY WITH AN ELEGANT DESIGN.

FULL PRODUCTIVITY IS GUARANTEED, THE MILL PRODUCES HIGH-QUALITY FLOUR AT THE INDICATED RATES IMMEDIATELY UPON START-UP.

## MAIN CHARACTERISTICS:

1543 LB. / 700 KG PER HOUR, CAPACITY OF GRAIN INPUT

62 %, EXTRACTION OF FLOUR ~0.55% ASH

13 %, EXTRACTION OF FLOUR ~0.8% ASH

23 %, EXTRACTION OF BRAN

2 %, BY-PRODUCT

VIA MECHANICAL AND PNEUMATIC METHODS, AUTOMATIC CONVEYING

3000 CUBIC METERS PER HOUR, HIGH-PRESSURE FAN CAPACITY

UP TO 5% BY WEIGHT OF GRAIN, CAPACITY OF WATER FOR DAMPING

80 (WITH THE USE OF HEARING PROTECTION) DBA, NOISE LEVEL RATING

100 DB, VIBRATION ACCELERATION

## SPECIFICATIONS:

21,6 FT / 6,6 M, LENGTH OVERALL

12,8 FT / 3,9 M, WIDTH OVERALL

14,8 FT / 4,5 M, HEIGHT OVERALL

12566 LB. / 5700 KG, WEIGHT

8,2 X 8,9 FT / 2,5 X 2,7 M, MIN DOCK DOOR OPENING (W X H)

3 PHASE 4 WIRE, WYE TYPE, ELECTRICAL SUPPLY

208/240/480/600 OR 380/400 V, VOLTAGE

208-245 V, SINGLE PHASE INPUT VOLTAGE (OPTION)

60 / 50 HZ, FREQUENCY

30 KW PER HOUR, POWER CONSUMPTION

## CLEANING SECTION:

1 RECEIVING HOPPER

1 DESTONER

3 PNEUMATIC SEPARATORS

4 AIRLOCKS

5 GEAR REDUCERS

3 MAGNETIC SEPARATORS

1 SIEVE CLEANER

1 INDENTED CYLINDER (FOR SEPARATES SHORT IMPURITIES)

1 INDENTED CYLINDER (FOR SEPARATES LONG IMPURITIES)

3 WASTE CONTAINERS

2 SCOURERS

1 FILTER MESH

1 WATER TANK

1 WATER HEATER

1 WATER DISPENSER

1 DAMPENER  
1 TEMPERING TANK

## MILLING SECTION:

47 MAGNETIC SEPARATORS  
17 AIRLOCKS  
1 GEAR REDUCER  
6 ROLLER SETS  
2 CYLINDRICAL REDUCERS  
5 TRANSPARENT SELF-SINKS  
4 PNEUMATIC CENTRIFUGAL SIFTERS (TWO-SYSTEM)  
1 CENTRIFUGAL SIFTER  
14 COMPLETE SIEVES (WITH SPARE PARTS)  
6 FLOW SWITCHES ON PRODUCT PIPELINES  
1 BAGGING POTHOLE  
6 BAGGING PIPES  
1 BAGGING SCREW CONVEYOR  
1 DRIVE GUARD

## TRANSPORTATION OF PRODUCTS:

1 HIGH-PRESSURE FAN  
1 BLOCK OF CLEANING CYCLONES  
1 BLOCK OF FILTER BAGS  
1 ASPIRATION AND PRODUCT PIPELINES  
4 CYCLONE SEPARATORS 260  
4 CYCLONE SEPARATORS 400  
1 SPOUTS

## ELECTRICAL EQUIPMENT:

1 ELECTRIC PANEL  
1 AIRLOCKS SPEED CONTROL DEVICE  
1 ELECTRICAL WIRING CONDUIT  
1 STOP BUTTON  
1 ALARM SIGNAL  
15 ELECTRIC MOTORS DRIVES

## ANTICORROSION COATING:

GALVANIC  
POLYMER

## MANUAL:

PRINT VERSION  
DIGITAL VERSION  
VIDEO VERSION