

# CHOYAL<sup>®</sup>

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squeezing out  
every drop of  
**power**

**World's 1<sup>st</sup> Wonder Mill**  
Digitally Controlled (CNC) CHAKKI



**SHRI VISHVAKARMA**  
(EMERY STONES) INDUSTRIES PVT. LTD.

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maximum output  
maximum quality  
maximum constituency  
maximum saving

**Products**  
Wondermill (CNC)  
Flourmills  
Emery Stones  
Grain Handling  
Grain Processing  
Turnkey Projects  
Concept Designing  
Automation Solution

WE NEVER FORGET HOW MUCH YOU RELY ON

CHOYAL<sup>®</sup>

**CHOYAL**<sup>®</sup>

*Two Innovations together*



**Wonder Mill**<sup>™</sup>  
**Wonder Miller**<sup>™</sup>  
PLC SYSTEM FOR FLOUR MILLS

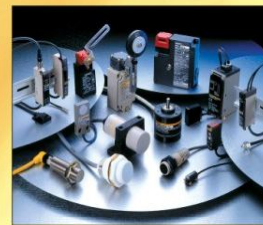
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# Wonder Miller™

## PLC SYSTEM FOR FLOUR MILLS

### KEY FEATURES

- Existing Chakkies (mills) can be converted into CNC Mill with the WONDER MILLER.
- All chakkies are controlled by 3.8" TFT HMI Touch Screen Panel.
- Pre-set parameters for recipes provided i.e. Atta, Fine Atta, Daliya, Cracking.
- 30 Pre-set recipes for assigning grinding to Mills.
- Recipe can be assigned as per the milling requirement.
- Wonder Miller can access process malfunctioning during milling and take actions accordingly, if problem persists, Wonder Miller will shut down the particular mill only.
- Input will be handled by Wonder Miller as per the requirement of recipe.
- Flour temperature is controlled by Wonder Miller and can be changed as per the recipe.
- No burning of flour due to controlled temperature.
- Power saving control parameters.
- If no input in one mill, Wonder Miller will not run that mill.
- Data Recording used- Mill Running hours, Power Consumption & Output Temperature.
- Three Step Control- Remedy, Alarm and Shut down.
- Set of 4 mills will require one Wonder Miller.
- Ethernet Port option available for remote access of PLC.\*
- Provides standard 128KB battery backup for memory.\*
- AMC available for Wonder Miller.\*



\* These features are optional.



Reg. No. R02091904

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Numbers, type of items shown in the picture may differ or may not be the part of standard equipment depending upon the specification, requirement, situation, model no. and need of R&D. All specifications are approximate and are not binding to details. We reserve to amend and alter them without notice.

# WINNING EDGE- WONDER MILL

S. No.	Particulars	Conventional Flour Mill	Wonder Mill With Wonder Miller
1	Power saving	No system	Yes, Wonder Mill can save up to 7-18% of power.
2	Product- Quality	Lesser qualitative product and consistency as it depends on the fall of grain by gravity and the observation of attendant	Consist product as the Wonder Miller manages the feed automatically and the pressure on stone and as the time elapse system and stone worn out Wonder Miller will adjust the gap between stones automatically.
3	Labor Input	More dependency and higher number of HR	Less dependency and less Number of HR, thus the quality and output will be at fullest consistency.
4	Investment Return	Higher cost of production thus the longer pay back time	More output, more power Saving, Less HR, less wear & tear, Less Losses of Operations ( Burning of Atta & Stone, under capacity)
5	Grain Feeding	Manual feeding, by gravity	Auto variable feeding as per grinding requirement by motorized screw feeder.
6	Output Weighing	No system	Yes, Wonder Miller can lodge the data for output and make list for the whole day data containing the mill Number and its output for the day and cumulative as well.
7	Output Temperature	No system	Yes, Wonder Mill will take care of the temperature of output you will always get the right temperature as per your requirement.
8	Data lodging	No data lodging	Yes, Wonder Mill Gives the Data in the form of List containing Output of Mill, Temperature of Mill, and Power Consumption of Mill.
9	Stone Burning	No system	No burning of stone as the Wonder Miller takes care of high temperature.
10	Stone Disengaging	Manual, In emergency it may be not useful as it requires manual interface and attention	Auto Stone disengaging System, Wonder Miller control the system for auto stone disengaging and disengage the stone when required and as well the operator can also press the emergency switch to operate the stone disengaging system.
11	Product - consistency	Lesser Consistency	Consistency well achieved as the system maintain the gap of stone and every time we get the same output as per the pre-set recipe.
12	Body Design	conventional designed with angle frame	3D Computer Added Design for better efficiency and less vibration. Enclosed body for good sanitation.
13	Motor Fitment	Vertical fitment	Horizontal fitment for improved bearing life of motor & Mill.
14	Stone Unloading	No, equipment disengaging the stone	Innovative stone unloading system is provided thus one man can unload the heavy stone.
15	Technology	Older Technology	New edge CNC Technology for maximum saving and production cost cutting.
16	Safety	No system	Highly safe as the pre- set parameter do not let the system go in to dangerous and hazardous situation.

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