

*i***QUADRA** Mill

DIGITALLY OPERATED
INTELLIGENT MILL

More Profit, More Quality,
& More Food Safety..



WE NEVER FORGET HOW MUCH YOU RELY ON **CHAYAL**

iQUADRA Mill

DIGITALLY OPERATED
INTELLIGENT MILL

CHAYAL[®]
Innovative Grinding Solutions

More Profit, More Quality,
& More Food Safety..



Sr.No.	Description	Model No.	Dimension (mm)			Power		Capacity (kg/h)	Stone Size
			L	W	H	Chakki	Feeding		
1	Module - 1	IQM1	3450	2200	2400	50 HP	2 HP	1000-1200	600 mm
2	Module - 2	IQM2	1700	2200	2400	25 HP	1 HP	500-600	600 mm
3	Module - 3	IQM3	3450	2200	2400	50 HP	2 HP	1000-1200	600 mm



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KEY FEATURES

- Less space required.
- Two way stone gap adjustment for better control
- Gravity meter for precise control
- Upto 40 % Power Saving
- Improved Output & Starch Damage
- Compatible for Advance Milling Technology
- Compact design for low Sound & Vibration
- Data Logging
- Intelligent Grain Feeding System
- Integrated Magnet
- Ethernet Enabled
- Android Connectivity
- Hydraulic operated Auto Pressure System
- Gear drive coupled with horizontally mounted motor for better efficiency
- Controlled by 7" TFT HMI touch screen panel

Intelligent Automation

- Stone gap Adjustment
- Grain Feeding Control
- Ash, Bran, Granulation
- Stone Dressing Requirement Indication
- Break Down Alarm & auto cut off
- Maintenance Scheduling

Available in Different modules

1 Module



4 Mills

2 Module



2 Mills

3 Module



4 Mills - IQM3

New Intelligent Online Gravity Segment for monitoring.

- Bran Extraction Percentage
- Ash Percentage
- Protein Percentage
- Granulation
- Starch Damage
- Moisture Percentage



iQUADRA Mill

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INTELLIGENT MILL



Power Saving



Wifi Enabled



Android Enabled



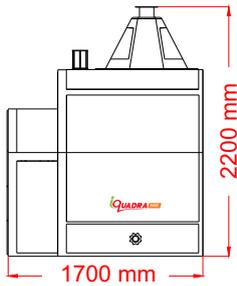
Alarm System



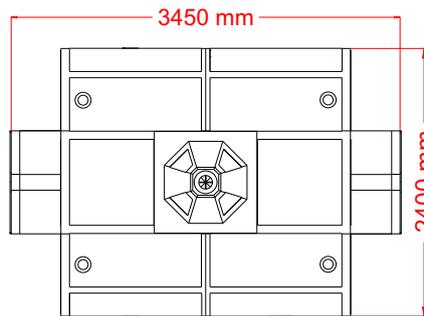
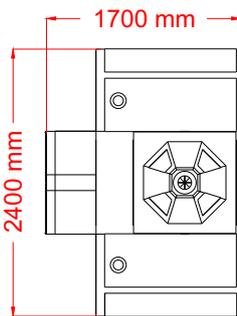
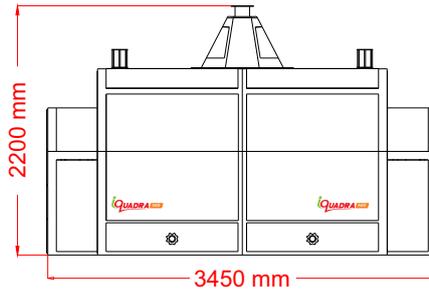
Data Logging

CHOYAL[®]
Innovative Grinding Solutions

2 Mill



4 Mill



Manufacturers & Exporters

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TECHNICAL SPECIFICATION

- 24 inches (600 mm) Vertical Chakki with Emery Stones (Available in 3 Type of Module)
- Less space required
- Two way stone gap adjustment for better control
- Gravity meter for precise control
- Upto 40 % Power Saving
- Improved Output & Starch Damage
- Compatible for Advance Milling Technology
- Compact design for low Sound & Vibration
- Intelligent Grain Feeding System
- Integrated Round Bar Magnet with 3000 to 4000 gauss.*
- Grain feeding by Screw feeder controlled by VFD for constant feeding
- Innovative design for easy disengagement of emery stone for easy maintenance
- Gear Drive coupled with horizontally mounted motor for better efficiency, Power saving as well as Improved Torque for more yields
- Enclosed body design for better sanitation
- Better Motor Bearing Life
- No hassle for replacement of V-Belts
- Visible Grain Intake Hopper
- Heavy duty Spiral Bevel Gear-90 degree input 25 HP, hollow output. Complete with Coupling and Main Shaft
- Hopper with integrated magnet
- Supplied with Bharat Bijlee make 25 HP 960 RPM Motor
- Hydraulically operated auto Pressure System
- Grain Feeding Control
- Stone Dressing Requirement
- Break Down Alarm & auto cut-off
- Maintenance Scheduling
- New Intelligent Online Gravity Segment for Bran Extraction %, Ash %, Protein %, Granulation, Starch Damage, and Moisture %. (Available in module 3)
- Quadra Mill is controlled by 7" TFT HMI Touch Screen Panel
- Pre-set parameters for recipes provided i.e. Atta, Fine Atta, Daliya, Cracking
- 30 Pre-set recipes to assign grinding to mills
- Quadra Mill can access the process malfunctioning during milling and take actions accordingly, if problem persists, Quadra Mill will shut down the particular mill only
- Input of grain will be handled by Quadra Mill as per the requirement of recipe
- Flour temperature is controlled by Quadra Mill and can be changed as per the recipe
- No burning of flour due to intelligent temperature control parameter
- Data logging used for Mill Running hours, Power Consumption & Output Temperature
- Three Step Control- Alarm Remedy and Shut down
- Android Connectivity

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