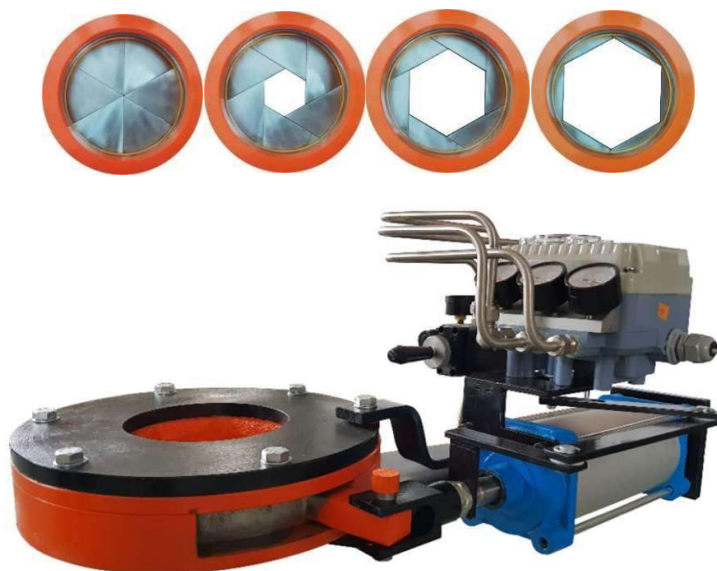


CSD OR IRIS VALVE BASED CONTINUOUS CENTRIFUGAL MACHINE FEED AUTOMATION SYSTEM

BASED ON YUTECH'S A15 INTELLIGENT ANALYZERS AND SYSTEMS PLATFORM



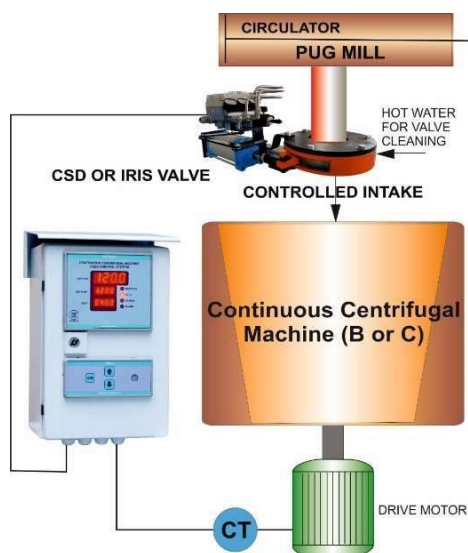
CSD OR IRIS VALVE



CONTINUOUS CENTRIFUGAL MACHINE AUTOMATIC FEED CONTROL SYSTEM

CSD OR IRIS VALVE BASED CONTINUOUS CENTRIFUGAL MACHINE AUTOMATION ADVANTAGES:

- Constant Load on the Machine Basket Drive results in Constant Machine Operation and Optimum Current Consumption of the Drive Motor thus Saving Power and Maximizing Capacity Utilization at the Same Time.
- Constant Load on the Machine Basket results in Improved Molasses Purity as well as Increased Throughput at the same time.
- Concentric and Uniform Material Intake Ensures uniform layer of Masseccite over the surface of the Basket thus it results in Excellent Purging, leading to higher efficiency and increased throughput
- Uniform layer of Masseccite over the surface of the Basket also results in Power, Water and Steam Saving. **Power Saving of up to 20% for total Masseccite Curing. Very Attractive pay back INFACCT CONTINUOUS CENTRIFUGAL MACHINE ATOMATION WORKS LIKE A "MULTIBAGGER".**
- Concentric and Uniform Material Intake also ensures Proper Basket Balance so reduces Wear and Tear.
- Higher Capacity Utilization of Continuous Centrifugal Machines and Operational life improvement and Reduced Cost of Ownership.
- Eliminates Human Errors, Overflows and Stoppages **IT ALSO WORKS AS A "STOP LOSS AUTOMATION".**



CSD OR IRIS VALVE BASED CONTINUOUS CENTRIFUGAL MACHINE FEED AUTOMATION SYSTEM:

- MACHINE DRIVE LOAD CURRENT SENSING
- FEED CONTROL WITH RESPECT TO DRIVE LOAD CURRENT

Power Saving of up to 20% for total Masseccite Curing.

CONTINUOUS CENTRIFUGAL MACHINE ATOMATION WORKS LIKE A "MULTIBAGGER".

**REDUCE COST OF OWNERSHIP
INCREASE RETURN ON INVESTMENT
INCREASE PROFITABILITY**

CSD OR IRIS VALVE BASED CONTINUOUS CENTRIFUGAL MACHINE FEED AUTOMATION SYSTEM

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YUTECH Engineered Automation System in Continuous Centrifugal Machines:

- Reduce Process Time and Increase Throughput
- Maximize Machine Capacity Utilization
- Eliminate Stoppages due to Human Errors
- Eliminate Wastage through Basket Overflows
- Reduce Power, Steam and Water Consumption
- Proper Basket Balance results in Reduced Wear and Tear
- In some cases, it is observed that One or Two Machines have been kept spare as total load is taken care of by 4 Machines instead of 6
- Thus, we can Conclude that Continuous Centrifugal Machine Automation can get more Work Done from the Same Mechanical Equipment and:
 - **REDUCE COST OF OWNERSHIP**
 - **INCREASE RETURN ON INVESTMENT**
 - **INCREASE PROFITABILITY**



Controlled Quantity of Masseccite drops from the Concentric Opening (Split opening from the Centre of the Valve)
Hence No Spilling, No Splattering, No Unbalance, No Overflow, No Underfeeding

Innovative Features for Ease of Operation and to save on Installation Cost and Materials:

Built-in Communication Links: See Product Code to select desired protocol

Ethernet:

- a. Modbus TCP/IP Ethernet Communication Protocols
- b. External PID Controller Calibration Facility from DCS / PLC- SCADA / HMI System via Ethernet. Control Variables can be accessed and changed from DCS / PLC- SCADA / HMI.
- c. Machine Drive Load Current Data is Communicated for Data Acquisition and Data Storage within DCS / PLC- SCADA / HMI.

RS485: Modbus RTU on request in Base Model.

USB Communication Facility: For Calibration from PC or Android using System's USB Port. (This facility is available only in Controller with Ethernet Models). **YUTECH Access App:** Calibration Software can be installed in a PC or Android.

FOR MORE DETAILS PLEASE SEE THE PRESENTATION ON OUR WEBSITE www.yutechautomation.com.

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