

Controller Series Comparison

Controller Technology	NANO	METRIX
PLC Processor	Keyence	AB Compactlogix Safety 5069
Motor Technology	90 VDC Motors	MPM/MPL Servo Motors
Drive Technology	Dual DC Regenerative Drives	AB Kinetix 5100 Servo Drives
Operator Interface	7" Color Touchscreen	10.1 Color Touchscreen
Incoming Power	115 VAC	480 VAC / 3Φ
Networking	Ethernet	Ethernet / WiFi
Remote Access	eWon	Easy Access 2.0
Safety Relay	✓	✗
Safety Controller w/HMI Feedback	✓	✗
Safety PLC Processor (SIL 2)	✗	✓
Controller Features		
Metal Probe Setup	3 or 5 Wire	5 Wire
Accuracy (Angles)	± 3.5°	± 0.05°
Accuracy (Position Inches)	± 1.5" (Based on Arm Speed)	± 0.05"
Prepour	✓	✓
Return to Home Button	✗	✓
Probeless Mode	✗	✓
Disable High Metal Probe	✗	✓
Alternate Fill Angles	✗	✓
Extra Enter Metal Angle	✗	✓
User Access Levels	9	12
Users	126	126
Ability to Manage User Accounts	✓	✓
Fault History	✓	✓
Interlock Testing Screen	✓	✓
Display I/O status in HMI	✓	✓
Built in troubleshooting help screens	✓	✓
Pour Advance	✓	✓
Pour Back at Abort	✓	✓
Auto Recycle	✗	✓
Recipe Storage	300	300
Recipe Viewing Page	✓	✓
Mechanical Relay Interlocks	✗	✓
Produce/Consume Interlocks	✗	✓
Auto Mode Timeout	✗	✓
RFID Login	✗	Optional
Ability to Extract Data from DCM	✗	✓
Supports My SQL & MS SQL Server	✗	✓
MQTT Server & Client	✗	✓

Compatible with Metrix display	✗	✓
VNC Viewer	✗	✓
View Electrical Drawing in HMI	✗	✓
View Owners Manual in HMI	✗	✓
Late Stage Degasser Ready	✗	✓
Custom Signaling Outputs	✗	✓
Operation Log	✓	✓
Available in Combo Configuration	✗	✓

Compatible Ladle	NANO	METRIX
Rimrock 305 Ladles	✓	✓
Rimrock 405 Ladles	✗	✓
Rimrock 358 Ladles	✗	✓
Rimrock 457 Ladles	✗	✓
Rimrock 458 Ladles	✗	✓
Advance SL Ladles	✗	✓
Snair Ladles	✗	✓