

**CONTROL  
TECHNIQUES**

# GURU KIRPA

AUTOMATION



**Parker**

**ABB**

**Kübler**

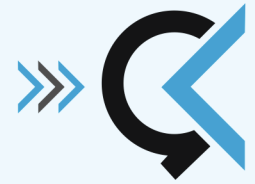
**Baumer**



**DELTA**

**DEALS IN: DC DRIVES, AC DRIVES, MCC, PCC, APFC, PLC SCADA AUTOMATION**

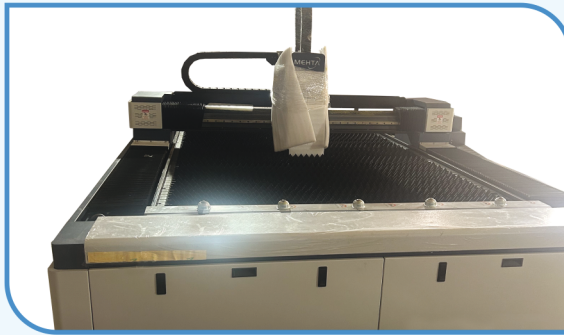
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## ALL TYPE FABRICATION



**POWDER COATING**



**LASER CUTTING**



**BENDING MACHINE**



**FABRICATION**

## PRODUCTS



- DIGITAL DC DRIVES PANELS
- DIGITAL AC DRIVES PANELS
- PLC AUTOMATION SYSTEM & PC BASED SCADA
- POWER CONTROL CENTER (PCC & Db's)
- POWER DISTRIBUTION AND CONTROL SYSTEM
- MOTOR CONTROL CENTER (MCC)
- POWER FACTOR PANEL
- HARMONIC FILTER PANEL
- BUS-BAR DUCT

# »» DIGITAL DC DRIVES PANELS



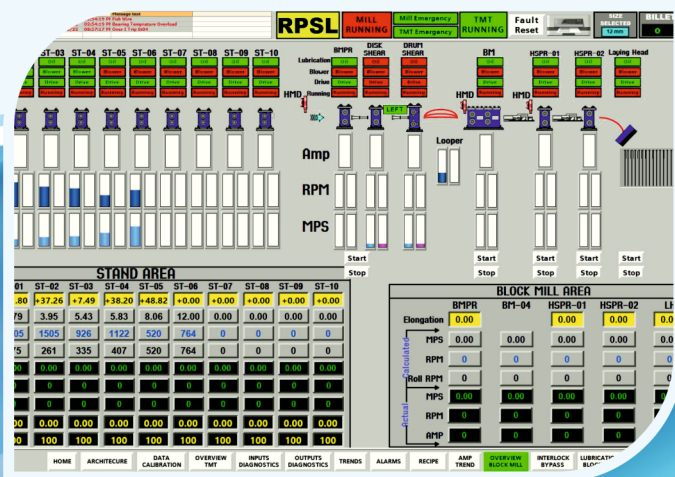
- SPECIALIZED IN ASSEMBLING OPEN POWER & BRIDGE UP TO 5000A DC USING READILY AVAILABLE STANDARD PRODUCTS
- SIMPLE IN DESIGN OFFER EASE OF TROUBLESHOOTING AND SERVICEABILITY
- MICROPROCESSOR BASED CONTROLLER USED OF REPUTED BRANDS (PARKER, CONTROLTECHNIQUE, ABB, SIEMENS, SPRINT, GEFRAN)
- ENCODER FEEDBACK CLOSE LOOP CONTROL
- FIELD WEAKENING CONTROL
- LATEST TECHNOLOGY
- EASY MAINTENANCE



## BAR MILLS, WIRE ROD MILLS, STRIP MILLS

### AUTOMATION FUNCTIONS IN ROLLING MILLS

- SAFETY INTERLOCKS
- LUBRICATION CONTROLS
- CASCADE CONTROL
- SPEED REFERENCES CONTROL
- CROP & COBBLE SHEAR CONTROL
- MINIMUM TENSION CONTROL
- LOOP CONTROL
- TMT AREA PROCESS CONTROL
- DIVIDING SHEAR CONTROL
- HIGH SPEED SHEAR
- CUT LENGTH OPTIMIZATION
- HYDRAULIC AND MOTORIZED TWIN CHANNEL CONTROL
- AUTOMATIC COOLING BED CONTROL
- BUNDLING AREA CONTROL
- ALARM DIAGNOSTICS
- PASS SCHEDULES
- BLOCK MILL SAFETIES AND PROTECTIONS
- LAYING HEAD CONTROLS
- WIRE ROD HANDLING AREA
- TEMPERATURES MONITORING

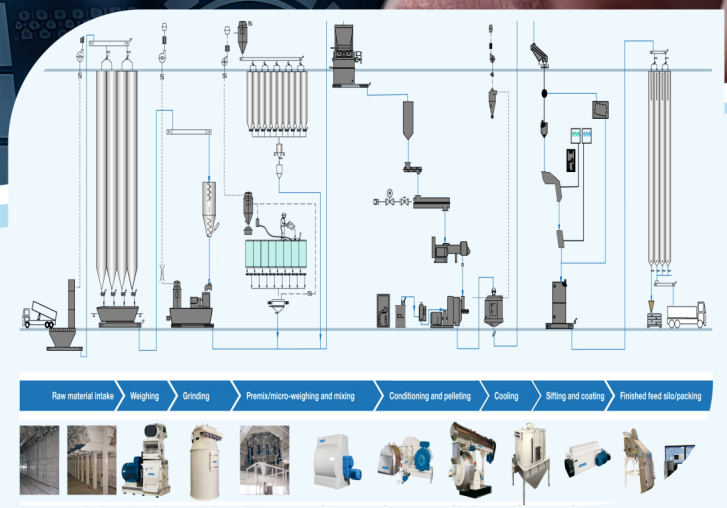
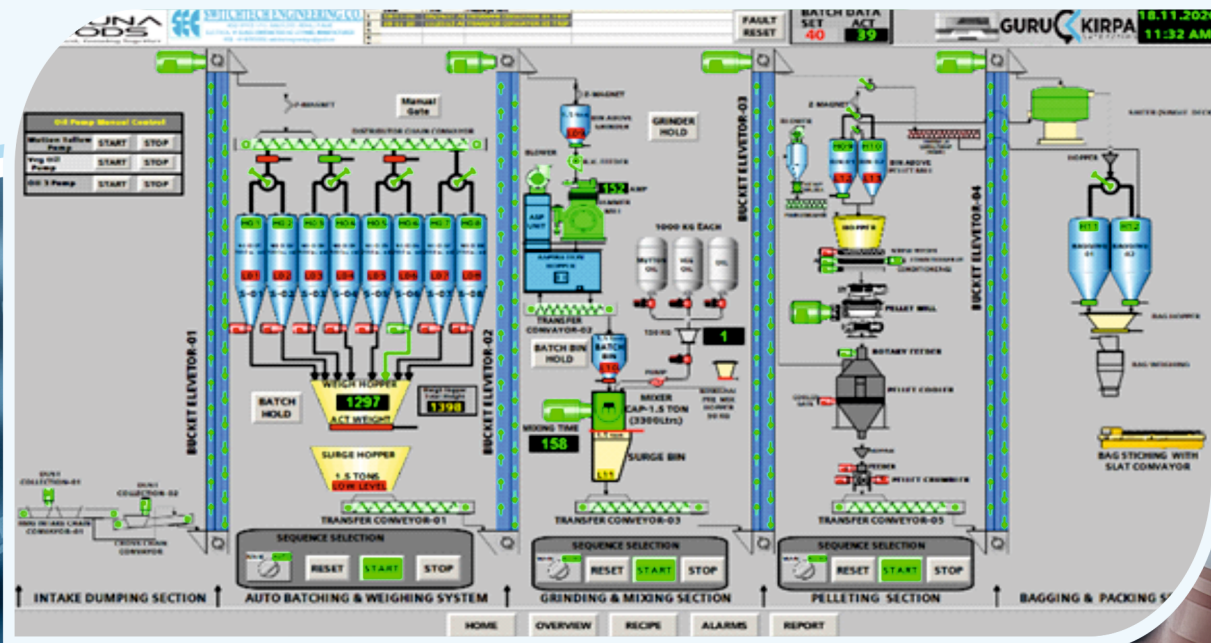




## FEED MILLS

### AUTOMATION FUNCTIONS IN FEED MILLS

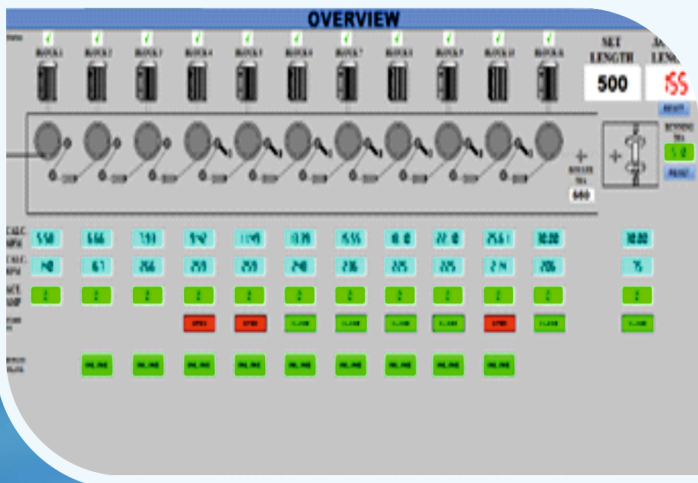
- AUTO BATCH CONTROL
- AUTO WEIGHING SYSTEM CONTROL
- AUTO MIXING & GRINDING
- AUTO BATCH REPORTS
- ALARM DIAGNOSTICS
- RECIPE CONTROL



## WIRE DRAWING STRAIGHT MACHINE

### AUTOMATION FUNCTIONS IN WIRE DRAWING MACHINE

- SAFETY INTERLOCKS
- LUBRICATION CONTROLS
- CASCADE CONTROL
- SPEED REFERENCES CONTROL
- DANCER PID CONTROLS RECOILER
- ALARM DIAGNOSTICS
- HMI CONTROL POST



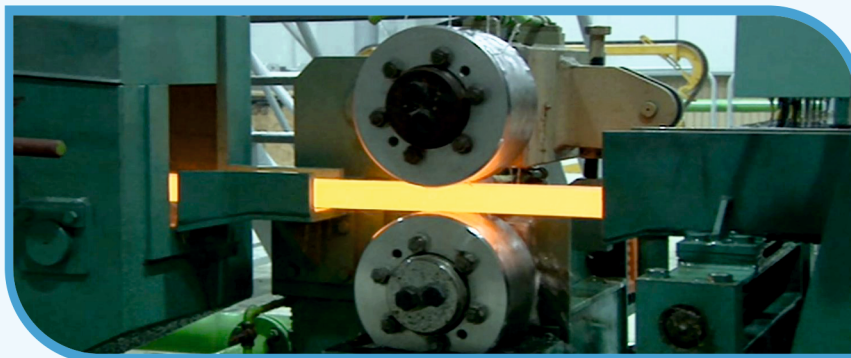
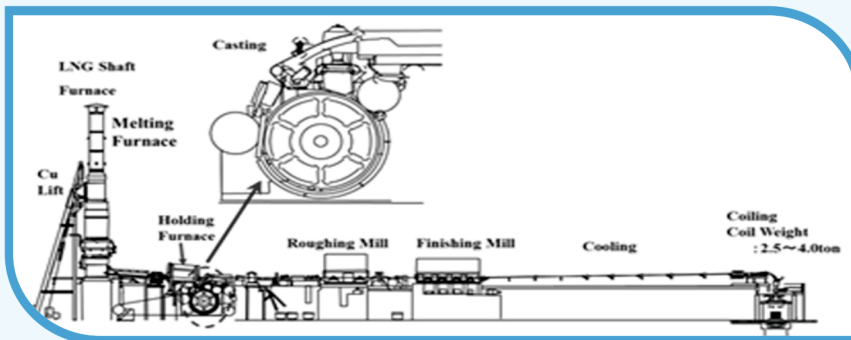
ID	MILL SETTINGS & MECH DATA				CALCULATED DATA			DANCER PID		
	DRUM DIAMETER	MOTOR PULLEY	DRUM PULLEY	GBL	DRUM DIA	ELONGATION	CALC MPH	CALC MOTOR RPM	MIN.	ACT.
CK 1	10.000	200	250	76.00	1110	1.19	5.58	140		
CK 2	9.250	200	250	76.00	1110	1.19	8.66	167		
CK 3	8.400	200	200	76.00	1110	1.19	7.90	206		
CK 4	7.700	200	246	50.00	700	1.19	9.62	259	20	9.41
CK 5	7.110	200	359	50.00	700	1.19	11.49	259	20	11.30
CK 6	6.510	200	576	23.50	700	1.19	13.56	248	20	13.45
CK 7	5.970	200	386	18.75	700	1.19	15.55	256	20	15.49
CK 8	5.470	200	371	14.00	700	1.19	18.10	225	20	17.94
CK 9	5.010	200	248	14.00	700	1.19	22.10	225	20	21.87
CK 10	4.600	200	263	11.00	700	1.17	25.61	214	20	25.47
CK 11	4.250	200	264	9.00	700	1.00	30.00	206		
	115	500	1.00	510			30.00	75		



## COPPER WIREROD CONTINUOUS CASTING & ROLLING

### AUTOMATION FUNCTIONS IN CCR MILL

- SAFETY INTERLOCKS
- LUBRICATION CONTROLS
- CASCADE CONTROL
- SPEED REFERENCES CONTROL
- CASTER, FRONT HAUL, PINCHROLL, CUTTING SHEAR, MILL MOTOR,
- H HAUL, COILER CONTROL
- EMULSION & ALCOHAL PUMP CONTROL
- HMI CONTROL POST



### ANOTHER APPLICATIONS

WE DEALS IN VARIOUS TYPE APPLICATIONS LIKE

■ PAPER INDUSTRIES



■ TUBE MILLS

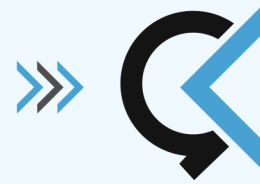


■ SUGAR MILLS



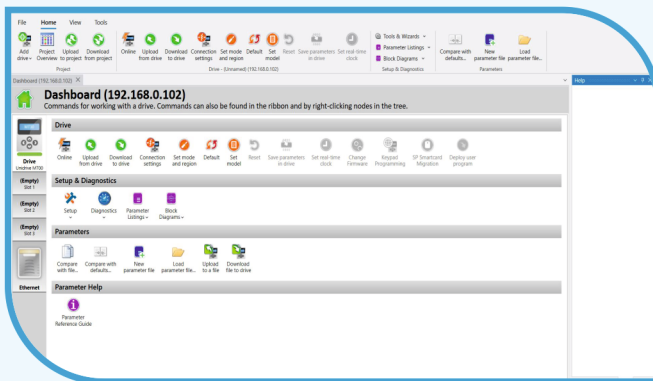
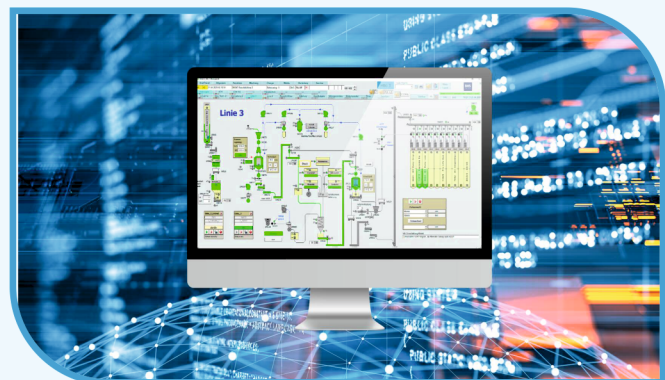
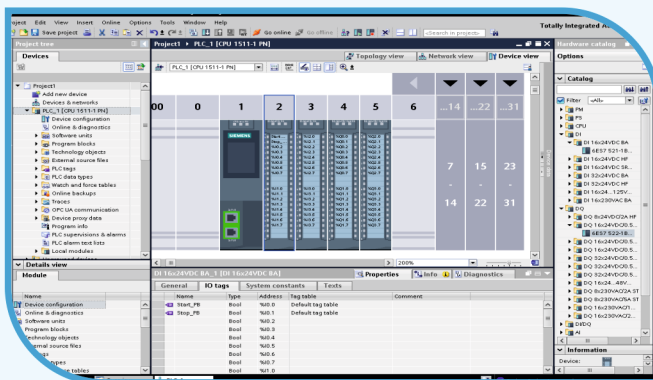
■ RICE MILLS





## ENGINEERING CAPABILITIES

GURU KIRPA AUTOMATION has developed automation solution on Latest Softwares like TIA Portal, WinCC Explorer, WinCC Advanced, dseLite, Ctsoft



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