

NEWTech AUTOMATION AND SOLUTIONS

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About Us

Newtech Automation and Solution is a firm Specializing In engineering, consulting, manufacturing and integration of automated production systems. We provide innovative technological production systems. We provide innovate technological solutions to a wilde range of customers in the fields of manufacturing and industrial processes with the help of our team of qualified experts In mechanics, electricity, automation, robotics, instrumentation and information systems. Our talented employees focus their energy on helping businesses meet the challenges of today's new economic realities, such as globalization, competitiveness and ever changing commodity and energy prices. We provide solutions to special purpose machinery and also design and develop the same in all manufacturing fields.

01

Vission

Our vision is to provide high quality automation solution and spm with best engineering services for reducing human intervention and errors and to also improve product manufacturing quality and same product every time



02

Mission

Newtech Automation and Solution will go the extra mile in fulfilling its vision and committed to providing highest quality product, Competitively priced with services exceeding our customer expectations we continue to invest in facilities, systems and human resources in every venture that we undertake.



03

Customer Focus

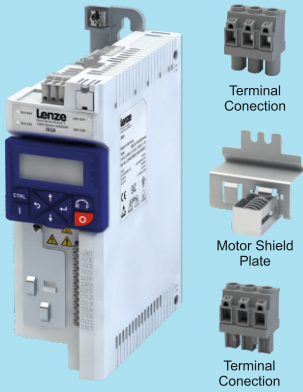
Our performance as perceived by our customers determines our quality. Market success is dependent on our ability to consistently provide products and services that meet or exceed customer expectations and applicable requirements. As a result, we listen to our Customers constantly in order to know their requirements and successfully Implement improvements in our operations based on their requirements.

1

LENZE AC DRIVES

i510 Cabinet 0.25 ... 15 kW

Connections



Communication

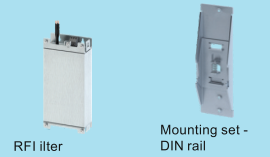
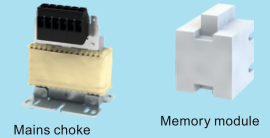
CANopen
CANopen

Modbus RTU

Diagnostics



Accessories



i550 Cabinet 0.25 ... 132 kW

Connections



Communication

CANopen

EtherCAT

EtherCAT

EtherNet/IP

EtherNet/IP

Modbus RTU

Modbus TCP

Modbus TCP

ETHERNET
POWERLINK

Powerlink

PROFIBUS

PROFIBUS

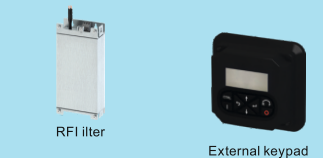
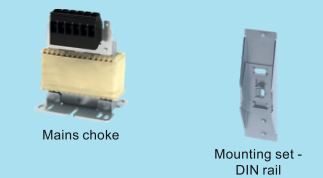
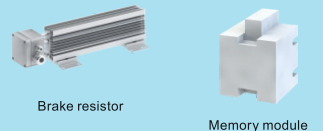
PROFINET

PROFINET

Diagnostics



Accessories



Functional Safety



Basic Safety STO

FVR - NEW MICRO



- Rating from 0,4 KW to 3.7 KW
- Starting Torque: 200% for 0.5s, 150% for 60s
- Non linear V/f pattern
- Built in RS-485 communication
- Auto energy saving function
- Built in braking transistor
- Built in Potentiometer for frequency setting
- PID process control function
- Ambient temperature 40°C



FRENIC MINI

- Rating from 0.1 KW to 15 KW
- Starting Torque: 200% for 0.5s, 150% for 1 Min
- Dynamic torque vector control
- Built in RS-485 communication
- Optimum energy control
- Built in braking transistor
- Synchronous motor control
- PID Process control function
- Ambient temperature 50°C

FRENIC-ACE



- Rating from 0.4 KW to 220 kW (HHD)
- Starting Torque : 200% for 0.5s, 150% for 1 Min
- Customize logic up to 200 steps
- Removable control terminal & Keypad
- Built in RS-485 communication
- Synchronous motor control with
- Sensorless vector control
- Overload STOP function for Hoist
- Ambient temperature 50°C



FRENIC MEGA

- Rating from 0.4 KW to 630 KW
- Starting Torque: 200% for 3s, 150% for 1 Min
- Fuji's Original Dynamic torque vector control
- Quick reaction to the impact load
- Dancer control function for winding control
- Built in Safe Torque Off (STO) input
- Ideal for highly accurate control
- Advance PID control function
- Ambient temperature 50°C

FRENIC MINI SOLAR



- Optimal Operating Point Calculation Function
- Dry Pump Detection Function
- Water tank maximum Level Detection
- Low Power Function
- MPPT Function
- Control asynchronous & PMSM motors
- Detection of Sudden Changes of Conditions
- IEC61683 & IEC60068 Approvals
- Ambient temperature 50°C



FRENIC LIFT

- Rating from 2.2 KW to 45 KW
- Over Load Capacity: 200% for 0.5s, 150% for 1 Min
- Exclusive Drive for Comfort Elevator
- Built in PG feedback circuit
- Reduction or torque ripple realizes low vibration
- Regenerative Direction selection for ARD
- Short floor & creepless functions
- IM/PMSM common drive (Open/Closed Loop)
- Ambient temperature 50°C

ALPHA 5 SERVO SYSTEM

- Rating 50 W to 5 KW
- Advance Auto-tuning function
- Built in position function for Simple application
- High Resolution Encoder 18-Bit ABS / 20-Bit INC
- Built in Modbus Positioning computing system
- Advance filtering and gain parameters



ALPHA 5 SMART SYSTEM

- Rating 50 W to 7 KW
- Interpolation tuning mode
- Trace operation mode
- Shorter cycle time operation mode
- High Resolution Encoder 18-Bit ABS / 20-Bit INC
- Advance altering and gain parameters



MICREX-SX SPH MOTION PLC

- Ultra High Speed Processing upto 9nSec
- Up to 32 Axis Motion Control
- Built in Motion Function Library
- IEC 61131-3 Conformed
- IL, ST, SFC, LD, FBD and SFC languages
- Built in SD/CF Care Slot
- On Board USB and Ethernet Connectivity



TECHNOSHOT SMART SERIES HMI

- Bright TFT with 64K color
- Supports remote operation via VNC server
- Upto 8 way communication for PLC
- Remote Desktop, Multilanguage function
- Network camera & FTP Server connectivity
- Complies with several Global Standards (CE, KC, UL, cUL)



SPF - PA MOTION PLC

- MPU - 16 Bit OS/Executing Processor
- 14/24/32/40/60 IO CPUS
- 4 Axis Pulse Input & Output - 200KHZ
- Ethernet Connectivity
- Linear Interpolation
- Multi port Modbus Communication
- 5- Programming Language - IL, ST, FBD, Ladder, SFC



MONITOUCH V9 SERIES HMI

- Remote connection from tablet PCs
- Wireless Data Transfer
- Ladder monitoring & Path-through
- Programming
- Network Camera & Printer Compatible
- DHCP Server / DHCP Client & FTP Compatible
- Scrolling / Zooming In & Out with two fingers



MULTI-LOOP TEMPERATURE CONTROLLER

- Heater break alarm CT (8 Points)
- 4 channel / 2 channel module
- Detachable terminal structure
- High-speed sampling time
- Ethernet Communication module
- Optimum multiple zone control
- Integration of PLC function
- Program less post communication

PFX TEMPERATURE CONTROLLER

- Bright and clear color-LCD
- PID control with Auto tuning
- Motorized valve control
- Fast and Precise control - Sampling time 50 ms, Control time 100 ms
- Universal Input & Ramp Soak function
- Precision Control with reading accuracy + 0.5% - - 0.2%
- Simple Watt-Hour Metering Function



PXF9
(96X96mm)



PXF5
(48X96mm)



PXF4
(48X48mm)



COMMANDER S

0.18kW - 4kW (0.25 hp to 5hp) in 1 ϕ & 3 ϕ 220 V | 415 V

NFC Powered by NFC* technology, data transfer between the drive and mobile device takes less than half a second.

- Power off or on commissioning (even in the box)
- FastStart - assisted commissioning.
- Parameters can be easily transferred from one drive to another
- Share configuration via Outlook, OneDrive, WhatsApp etc.
- Shared configurations are compatible with MARSHAL & Connect (our PC commissioning tool)
- Export customized wiring diagram and drive configuration to PDF



COMMANDER C

00.25kW - 132kW (0.33 hp to 200 hp)
100 V | 200 V | 300 V

- Improved machine productivity
- Lower start up costs
- Common control philosophy
- Lower system costs
- Commander brand
- 5 year free warranty



NE200 & NE300

0.4kW - 300kW (0.5 hp to 1200 hp)
200 V | 400 V

- Outstanding control performance
- Superior adaptability
- Optimize EMC design, immunity for high interference environment
- Compact design, based on thermal simulation & design to reduce product size



PUMP DRIVE F600

0.75 kW to 2.8 MW (1.0 - 4,200 hp)
200 V | 400 V | 575 V | 690 V

- Speaks your language
- Energy efficiency as standard
- Drive accessibility, refined
- Total control
- Enhanced reliability
- PC connectivity
- Communications



UNIDRIVE M400/M700

0.25 kW - 2.8 MW (0.33 - 4,200 hp)
200 V | 400 V | 575 V | 690 V

- Flexible control systems
- Optimise system performance
- Flexible communications
- Improve throughput with advanced open-loop motor control algorithms
- Conform to safety standards, maximise uptime and reduce costs by direct safety system integration



DC DRIVE



FREE STANDING DRIVES



SERVO DRIVES & MOTORS

Comprehensive product series support various networks and matching devices, facilitating the construction of required systems.

Drive layer



DA180 basic AC servo system



DA200 high performance AC servo system



DA300 intelligent AC servo system



DA212 dual-axis AC servo system



DA213 triple-axis AC servo system



MH800 electrohydraulic servo system



SL330 ELO and dual-ETO system



SL320 ELO and ETU system for loom



SL310 ETO system for loom

Execution layer



Small power servo motor



Medium power servo motor



Servo fluid-cooled spindle motor



Synchronous motor



HIGH EFFICIENCY STANDARD MOTORS

Frames	: 56 to 355L
Rating	: 0.093 to 315.0 kW
Poles	: 2, 4, 6 & 8
Mountings	: B3, B5, B14 & combinations
Protection	: IP55
Enclosure	: TEFC



MULTI SPEED MOTORS

Frames	: 71 to 355L
Rating	: 0.12 to 150.0 kW
Poles	: 4/2, 8/4, 6/4, 8/6 & others
Mountings	: B3, B5, B14 & combinations
Protection	: IP55
Enclosure	: TEFC



ROLLER TABLE MOTORS

Frames	: 112M to 160L
Rating	: 0.75 to 7.5 kW
Poles	: 4, 6 & 8
Mountings	: B5
Protection	: IP55
Enclosure	: TENV, TEFC



HIGH EFF. FLAMEPROOF MOTORS FOR GAS GROUPS IIA & IIB AS PER IS/IEC 60079

Frames	: 63 to 315L
Rating	: 0.18 to 200.0 kW
Poles	: 2, 4, 6 & 8
Mountings	: B3, B5, B14 & combinations
Protection	: IP55
Enclosure	: TEFC



MULTI SPEED FLAMEPROOF MOTORS FOR GAS GROUPS IIA & IIB AS PER IS/IEC 60079

Frames	: 71 to 315L
Rating	: 0.12 to 120.0 kW
Poles	: 4/2, 8/4, 6/4, 8/6 & others
Mountings	: B3, B5, B14 & combinations
Protection	: IP55
Enclosure	: TEFC



COOLING TOWER MOTORS - STANDARD & FLAMEPROOF

Frames	: 71 to 315
Rating	: 0.37 to 37.0 kW
Poles	: 4, 6, 8, 10 & 12
Mountings	: B3 or B5
Protection	: IP55
Enclosure	: TENV, TEFC



TORQUE MOTORS

Frames	: 63 to 160L
Rating	: 0.037 to 5.5 kW
Poles	: 4, 6 & 8
Mountings	: B3, B5, B14 or special
Protection	: IP55
Enclosure	: Totally enclosed or force cooled
Torque	: 0.048 to 3.57 kg.m



BRAKE MOTORS

Frames	: 63 to 250MX
Rating	: 0.18 to 55.0 kW
Poles	: 2, 4, 6 & 8
Mountings	: B3, B5, B14 & combinations
Protection	: IP54
Brake Torque	: Upto 800Nm
Duty Cycle	: S1 - S8



INVERTER DUTY MOTORS

Frames	: 90 to 355L
Rating	: 0.37 to 315.0 kW
Poles	: 2, 4, 6 & 8
Mountings	: B3, B5, B14 & combinations
Protection	: IP55
Enclosure	: Totally Enclosed Force Cooled with 3 ph fan motor



CRANE DUTY MOTORS

Frames	: 71 to 315L
Rating	: 0.18 to 200.0 kW
Poles	: 4, 6 & 8
Mountings	: B3, B5, B14 & combinations
Protection	: IP55
Enclosure	: TEFC
Duty Cycle	: S3 - S5
Starts/hour	: 60, 150, 300



TEXTILE MOTORS

Frames	: 100 to 180L
Rating	: 0.55 to 15.0 kW
Poles	: 4, 6 & 8
Mountings	: B3, B5, B14, Pad & combinations
Protection	: IP55
Enclosure	: TENV, TEFC with clean flow
Applications	: Ring, Loom, Carding, Ginning & Spinning



SPECIAL APPLICATION MOTORS

Dual Voltage / Dual Frequency motors
Low Vibration motors for machine tools
Motors for Extreme Climatic Conditions
Motor for Import Substitute

POWER CONDITIONING EQUIPMENTS



OIL COOLED SCVS UPTO 2500 KVA

- Micro Controller Display
- Input & Output over/under volt cutoff
- Overload Cutoff
- Trip time delay
- Manual & auto start facility
- Wide input range
- Rugged design with high MTBF
- Spike suppressor
- On-site fixing of MCB & bypass
- International aesthetic
- Door locking facility
- Tamper proof metering



OIL COOLED SCVS UPTO 300 KVA

- Micro Controller Display
- Input & Output over/under volt cutoff
- Overload Cutoff
- Trip time delay
- Manual & auto start facility
- Wide input range
- Rugged design with high MTBF
- Spike suppressor
- On-site fixing of MCB & bypass
- International aesthetic
- Door locking facility
- Tamper proof metering
- On-time deliveries

ISOLATION TRANSFORMER UPTO 1000 KVA

- Zig-zag construction
- High insulating materials and special shielding techniques are used to reduce common mode and transverse mode noise.
- Best in class shielding to lock the transfer of electronics noise.
- Best regulation with low impedance effect.
- Shielding for the neutral harmonics current.
- Ensure no affect of electrical noise, spikes and surges on load.



INVERTERS



LIFT INVERTER UPTO 25 KVA

- DSP Based System
- Highly reliable & Compact design
- Settable Changeover Delay (0 to 35 sec)
- Settable Battery Charging Current (2 to 10A)
- Built-in ARD Features
- 100% Load Unbalancing Feature
- Load Transfer Through Static Switch
- Built-in Isolation Transformer
- Interactive Front Panel Display
- Overload Re-start
- Potential Free Contact (Optional)



COMMERCIAL INVERTER UPTO 100 KVA

- DSP Controller
- Inbuilt Isolation Transformer
- Inbuilt Static Switch
- Inbuilt Manual Changeover Switch
- 100% Unbalance Load
- Output Voltage Regulation < 1%
- Settable Changeover Delay
- Settable Battery Charging Current
- Suitable for Industries, educational institutions,
- Hospitals, Offices, Commercial Buildings, Hotels, etc.
- Remote Monitoring System (Optional)

SOLAR SOLUTIONS



SOLAR ONLINE INVERTER

- Battery less system
- Load sharing from Solar & Grid
- Pure sinewave output
- Auto-reset on fault event
- Load will be continued to run on solar during grid fail
- Built-in isolation transformer
- High-efficiency inverter
- Interactive LCD display



SOLAR OFFGRID AND HYBRID INVERTER

- DSP Based Design
- True Bidirectional Inverter
- Built-In MPPT Charger
- Settable Battery Current
- Selectable Priority Feature
- Fully Automatic Operation
- Built-In Isolation Transformer
- Grid Export Feature
- Interactive LCD Display

POWER BACKUP PRODUCTS

SINGLE PHASE ONLINE UPS [1/2/3 KVA]

- DSP based digital controller
- True sine wave
- Double conversion online
- Input near unity power factor
- Input current harmonic suppression
- Sleek & low foot print
- On-time deliveries



SINGLE PHASE ONLINE UPS [5KVA - 20KVA]

- Single Phase Online UPS (5KVA - 20KVA)
- Online Double Conversion (VFI Technology)
- IGBT Based DSP Technology
- High Input Power Factor
- Inbuilt Galvanic Isolation Transformer
- Inbuilt RS 232
- Inbuilt Manual Changeover Switch
- Suitable for all types of load (IT/ Healthcare/ Process etc)
- Wide Input Voltage Tolerance
- Cold Start Feature
- Long life power electronics grade capacitors with 10 Years design life
- Low MTTR & High MTBF
- Low MTTR & High MTBF



THREE PHASE ONLINE UPS UPTO 480 KVA

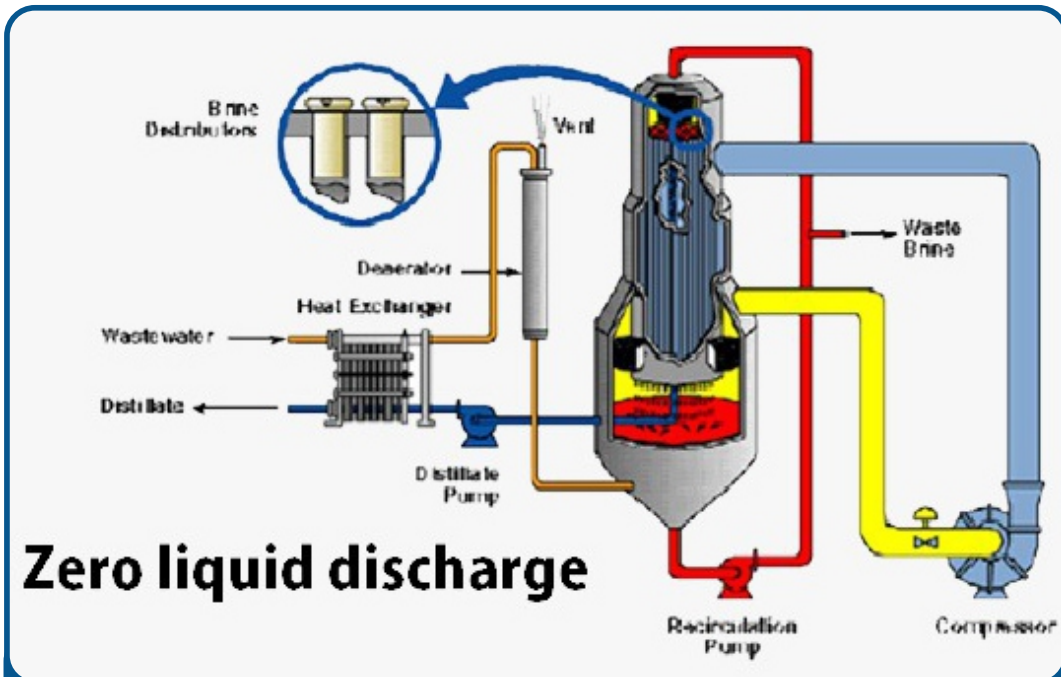
- Suitable for all types of load (IT/ HealthCare/ Process/ Machines/ Infra etc)
- Online Double Conversion (VFI Technology)
- IGBT Based DSP Technology
- Inbuilt Galvanic Isolation Transformer
- Inbuilt Static Switch
- Inbuilt Manual Changeover Switch
- 100% Unbalance load
- Inbuilt RS 232
- Small Foot Print
- Wide Input Voltage Tolerance
- Cold Start Feature
- Long life power electronics grade capacitors with 10 Years design life
- Suitable for Regenerative Loads
- Low MTTR & High MTBF





CGWA Monitoring System

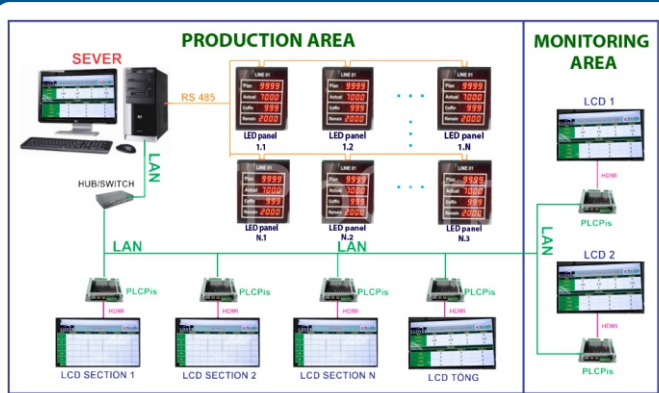
Gas Analyzer System



Zero liquid discharge

Zero Liquid Monitoring System

Production Monitoring System

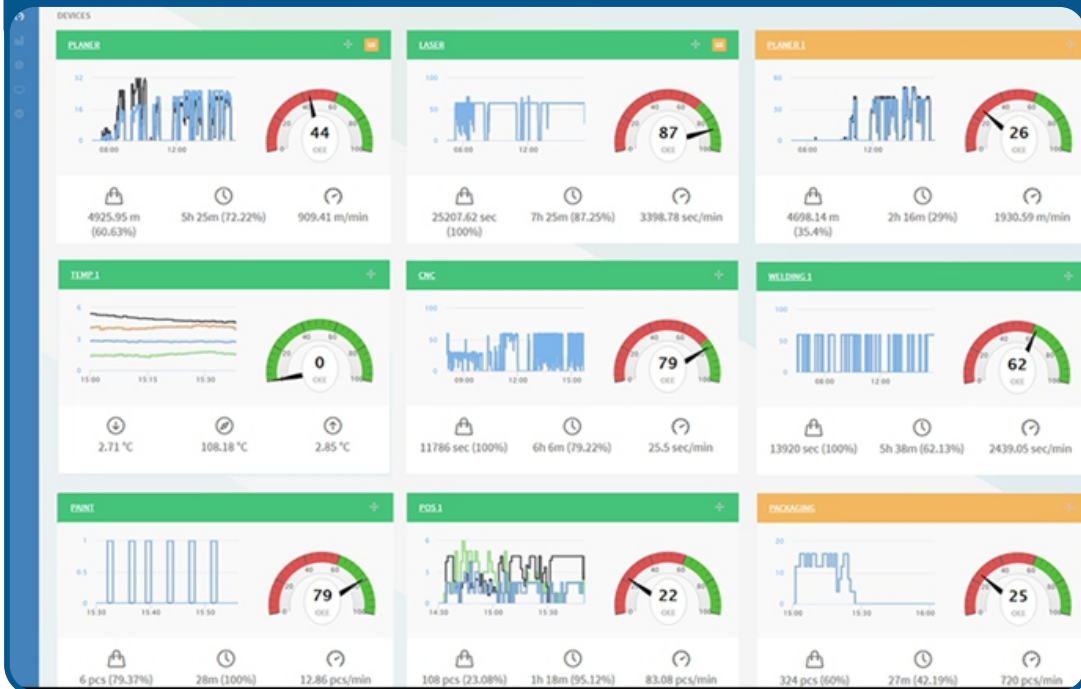


SOLUTION SCHEMATIC DIAGRAM...



Process Monitoring System

Energy Monitoring System





TEMPERATURE MEASUREMENT



PRESSURE MEASUREMENT



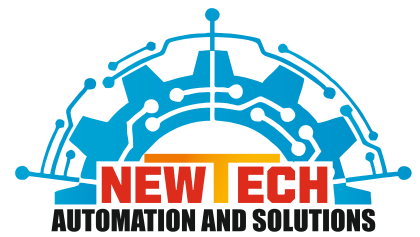
FLOW MEASUREMENT

LEVEL MEASUREMENT



LIQUID ANALYZERS

SPECIAL PURPOSE MACHINES



TEXTILE SPINNING

DMS - Density Measurement System

◆ Application	:	Industrial
◆ Brand	:	Newtech
◆ Material	:	MS/Aluminum
◆ Model Number	:	NAS-200 DMS
◆ Accuracy	:	+ -200 microns
◆ Speed Camera	:	20 K
◆ Size	:	2 X 3 Feet

OTHER FEATURES

- ◆ Robust System
- ◆ PC with software included
- ◆ High Precision weighing system
- ◆ Density Measurement system of Yarn/ Cone Package with accuracy +/- 200 microns / +/- 500 microns

REFRACTORY

Grinding Machine

◆ Application	:	Industrial
◆ Brand	:	Newtech
◆ Model Number	:	NAS-300GM

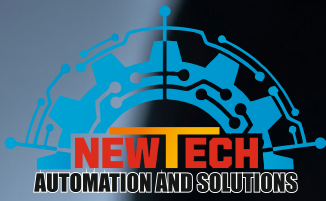
OTHER FEATURES

- ◆ Automatic Insulation Bricks Grinding Machine.
- ◆ Accuracy: +- 0.1MM
- ◆ Maximum Speed: 20-30 Bricks per Minute (Depends on Bricks Quality)
- ◆ High Quality Electronics and Electrical Material Used in Machines
- ◆ Easy to Handle

Automatic Laser Light Guiding System

Automatic Laser Light Guiding System is a custom made product for Tire Industry and where Laser lights are used for guiding the rubber lapping on tire building machine.

- ◆ Specification : Laser Light Guiding With Accuracy As Setable On Display.
- ◆ Minimum Movement Length Of Outer Lights In Between Distance 50mm.
- ◆ Maximum Movement Length Of Outer Lights In Between Distance as per requirement
- ◆ Variable Speed Of Light Motion Setable On Display.
- ◆ Easy Light Centring System.
- ◆ Easy Light Tilting System.
- ◆ Up to 100 Recipes Can Be Saved.
- ◆ Up to 12 & Expandable Steps Motion. Auto Homing Motion After Power Reset.
- ◆ Easy System Hookup With The Machine PLC For Stepping.
- ◆ Color Touch HMI With Enclosure.
- ◆ International Quality & Design.
- ◆ Voice Guiding System (Optional).



NEWTECH AUTOMATION AND SOLUTIONS

Industrial Automation | VFD | PLC-HMI | Motors | Special Purpose Machines
UPS & Servo Stabilizer | Control Panels | Transformer | LT-HT Panels
Controllers | Electrical-Electronics Accessories



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