

WELCOME TO

MACKSONS POWER & ENERGY

MPE

Corporate Profile and Catalog 2022

ABOUT

Macksons Holdings

MACKSONS®

Macksons Holdings was established in 1970 with its first ever venture, the City Trading Company. Soon becoming a major player in the market, our founder began diversification of the company by initiating paint manufacturing in Sri Lanka with what would later become the island's most popular brand, Multilac. Since then, the company has grown manifold and exceeded expectations of many by becoming a top tier business conglomerate in Sri Lanka, with a global presence considering its humble beginnings. The company's success comes from the trust that its customers have in the group to always provide unmatched product quality and overall operational excellence which can be found in every part of this group of companies.

A B O U T

Macksons Power & Energy (MPE)

We Macksons Power and Energy Private Limited a solar solution provider in Sri Lanka established our self in 2013 in order to help the people of our country reduce the extreme high electricity bills and also to promote the moto “GO GREEN”. Under the ownership of Macksons Holdings Private Limited we expect to help Sri Lankan’s make the most of the free renewable energy source. We deal with leading solar panel manufacturer in China and Inverters manufacturers in Germany and China. We strongly see to that all standards are followed as per the Local Electricity Board Authorities and we are also a registered solar supplier of Sustainable Energy Authority of Sri Lanka.

OUR VISION

- Develop with sustainability and Maximum efficiency your renewable energy projects to create a positive impact in the communities.
- Reinforce its expansion project.
- Grow solidly and continually.

OUR MISSION

Execute clean and renewable energy projects in different countries in the world. Through innovative and profitable production processes, aligned with environmental protection and the development of the communities in which we operate.

+50	+1000	+300	+10
Years Of Excellence	Happy Customers	**Projects Completed**	Registered Brands

M A I N

Product 4 Categories

GRACO

Nilfisk

hoymiles

UMEK



ABOUT GRACO

Graco Inc.- USA, is recognized as the quality leader in the airless sprayer market. As the industry leader, Graco offers the largest line of quality painting equipment and accessories in the world. Graco has achieved high market preference painting contractors have known and trusted the Graco name for over 40 years.

The Macksons Power & Energy and Graco partnership is a truly beneficial one. Combined with our superior paint products, leadership position and the most advanced techniques for painting solutions, the Graco range of electric Airless paint sprayers guarantees measurably higher productivity and a more uniform finish.

Our range of sprayers can tackle every job, from small residences to large commercial and industrial requirements. The advantages from our sprayers impact the industry itself, and extend to the contractor and the customer: the contractor is ensured professional performance, and the customer, assured satisfaction.

WHAT IS AIRLESS SPRAYING?

When paint is pumped under high pressure through a supply line to an airless gun, the technique is called Airless Spraying. Airless spraying atomises paint without the use of compressed air.

The paint is forced at high pressure through a small opening at the front of the gun, called the orifice, or spray pattern. The break-up of material into small droplets is called atomization.

- Airless spraying has less overspray or “bounce back” of material than techniques that use compressed air.
- A thicker coat of material can be applied in a single pass.
- With a transfer efficiency of 60% to 90%, airless spraying is more efficient.
- With the high pressure of airless spray, highly viscous materials can be atomized without needing to use expensive solvents.

WHY AIRLESS SPRAYING?

- **FASTER**
  4 times faster than a roller and 6 time faster than a brush. (Paints 9000 sq. ft. in 5 hours with 1 operator and 1 assistant.)
- **BETTER FINISH**
  Uniform distribution of paint on any surface compared to brush/roller. (Quality and consistent finish ensuring customer satisfaction.)
- **EARN MORE**
  Saves 50% - 70% of application time. 50% labor savings. (10% to 25% excess profit over rollers and brushes.)
- **COMPETITIVE EDGE**
  Customers see you as an expert who uses the latest painting techniques. (Builders consider you professional for on-time project completion.)

390PC Stand



Technical Specifications :

- 0.021'' Max Tip
- 1.8 LPM/5/8 HP (0.5 Kw)
- 3300 Psi (227 BAR)
- Supports up to 50ft hose / 1 Gun

490PC Pro Stand



Technical Specifications :

- 0.023'' Max Tip
- 2.0 LPM/1 HP (0.75 Kw)
- 3300 Psi (227 BAR)
- Supports up to 100ft hose / 1 Gun

UltraMax II 695
Hi-Boy Standard



Technical Specifications :

- 0.031'' (1 Gun)/0.023'' (2 Guns)
- 3.6 LPM/2 HP (1.5 Kw)
- 3300 Psi (227 BAR)
- Supports up to 200ft hose / 2 Guns

UltraMax II 1095
ProContractor



Technical Specifications :

- 0.035'' (1 Gun)/0.021'' (3 Guns)
- 4.5 LPM/2.4 HP (2 Kw)
- 3300 Psi (227 BAR)
- Supports up to 300ft hose / 3 Guns

TexSpray Mark IV



Technical Specifications :

- 0.033'' Max Tip
- 1.10 LPM (4.1 Kw)
- 3300 Psi (227 BAR)
- MaxPower 2.2 hp Brushless DC

TexSpray Mark X 240 V



Technical Specifications :

- 0.045'' Max Tip
- 2.10 LPM (7.9 Kw)
- 3300 Psi (227 BAR)
- MaxPower 4.0 hp Brushless DC
- SmartControl 3.0

Petrol Operated Airless Paint Sprayers

GMAX 3900
Hi-Boy Standard



Technical Specifications :

- 0.036'' (1 Gun)/0.025'' (2 Guns)
- 4.7 LPM/4 HP Honda Engine
- 3300 MAX Psi (227 BAR)
- Supports up to 200ft hose / 2 Guns

GMAX 7900
ProContractor



Technical Specifications :

- 0.048'' (1 Gun)/0.027'' (3 Guns)
- 8.3 LPM/6.5 HP Honda Engine
- 3300 MAX Psi (227 BAR)
- Supports up to 300ft hose / 3 Guns

TexSpray 5900/7900
HD - Standard



Technical Specifications :

- 0.043'' / 0.048'' MAX Tip
- 6/8.3 LPM
- 3300 Psi (227 BAR)
- Supports up to 100ft (Putty) hose 300ft (Paint) hose

Texture / Putty / Waterproofing

TexSpray Hopper Gun



Technical Specifications :

- 7 LPM
- 100 Psi (6 BAR) Max Pressure
- Includes 4,6,8,12 mm Nozzies

TexSpray Fast Finish



Technical Specifications :

- 7 LPM
- 2HP (9 SCFM) Compressor
- 60 Psi (5 BAR) Max Pressure
- Supports upto 90 mtrs air hose
- Includes 4,6,8 mm Nozzies
- Widex 4,6,8 Nozzies

TexSpray RTX 5500



Technical Specifications :

- 21 LPM
- 2HP / 100 Psi Max (7 BAR)
- Supports upto 100ft hose (30mtrs)
- Includes 4,6,8,10,12 mm Nozzies
- Widex 4,6,8 Nozzies

Line Lazer – Line Marking Machines

Line Lazer V 1000/2000



Technical Specifications :

- 2.3 / 2.6 LPM
- 3300 Max Psi (227 BAR)
- 1 Gun (0.025'' Max Tip Size)

Line Lazer V 3900/5900



Technical Specifications :

- 4.7 / 6 LPM
- 3300 Max Psi (227 BAR)
- 1 Gun / 2 Guns System

Line Lazer V 200 HS



Technical Specifications :

- 8.14 LPM
- 3300 Max Psi (227 BAR)
- 1 Gun / 2 Guns System

Line Driver/ Line Driver HD



Technical Specifications :

- 5.5 / 6.5 HP Honda Engine
- 11 / 16 Km / Hr

Quality. Performance. Durability. Productivity.

Only Graco delivers essential tools for maximum productivity and performance, backed by a solid reputation for proven quality, reliability, warranty and unmatched on-the-job performance. Graco® accessories are designed to meet the professional painting contractor's standards for quality and performance. Graco is the name to turn to today and as your business grows.



Accessories - Choose the right accessory for maximum productivity and performance.

Gun Extensions



To paint inaccessible areas like ceilings and exteriors

Extra Hose



- For extensions in length
- Choose hose length according to pump capability

Repair Kits



- Gun Repair Kit is for periodic maintenance of the gun
- Pump Repair Kit is for periodic maintenance of the pump

Gun & Pump Filters



Reduce Tip clogging and increase life of spray tip

Range of Tips



- To achieve best possible surface finish
- Different tips have different fan widths and orifices

Roller Jet



- Used in areas where spraying is challenging and roller finish is desired
- Increase the productivity of rolling by combining spray and roller in one pass

TSL-Liquid & Pump Armour



Use for cleaning the pump, filters and strainers as a part of daily maintenance

Tip Seals



For reducing leakage between gun and tip

High Quality, Long-lasting Graco Pressure Washers

G-Force II 3027 DD



Technical Specifications :

- 11.4 LPM
- 5.5 HP / GX200 Honda Engine
- 2700 Max Psi (186 BAR)
- Pump type : General Triplex

G-Force II 3032 DD



Technical Specifications :

- 11.4 LPM
- 8.5 HP / GX270 Honda Engine
- 2700 Max Psi (186 BAR)
- Pump type : General Triplex

G-Force II 4040 DD



Technical Specifications :

- 15.1 LPM
- 11.7 HP / GX390 Honda Engine
- 4000 Max Psi (276 BAR)
- Supports up to 300ft hose
- Pump type : General Triplex

Husky™ Pumping Technology

Our Husky air-operated double diaphragm pumps are loaded with features to help you get the job done right, every time, and are built to save you money.

Rugged construction
Resists corrosion for reliable performance and long life.

Heavy-duty design
Offers long life, increased productivity and lower overall cost of ownership.

Flow rates up to 300 gpm (1135 lpm).

Lube-free for cleaner operation.

DataTrak™ available to prevent pump runaway and track material usage.

Husky 3300



Technical Specifications :

- 3 in (76.2 mm) connection
- Max flow: 300 gpm (1135 lpm)
- Polypropylene, aluminum, stainless steel

Husky 2200



Technical Specifications :

- 2 in (50.8 mm) connection
- Max flow: 200 gpm (757 lpm)
- Polypropylene, PVDF

Husky 2150



Technical Specifications :

- 2 in (50.8 mm) connection
- Max flow: 150 gpm (568 lpm)
- Polypropylene, PVDF, aluminum, stainless steel, iron

Husky 15120



Technical Specifications :

- 1-1/2 in (38.1 mm) connection
- Max flow: 120 gpm (454 lpm)
- Polypropylene, PVDF

Husky 1590



Technical Specifications :

- 1-1/2 in (38.1 mm) connection
- Max flow: 90 gpm (340 lpm)
- Polypropylene, PVDF, aluminum, stainless steel

Husky 1050



Technical Specifications :

- 1 in (25.4 mm) connection
- Max flow: 50 gpm (189 lpm)
- Aluminum, Polypropylene, PVDF, conductive Polypropylene, hastelloy, stainless steel

The Husky Advantage - Loaded with Options

Choose from a wide selection of materials to handle numerous applications, including corrosive and abrasive fluid transfer.

- Paints, stains, coatings, inks and dyes
- Chemicals
- Acids
- Corrosive and abrasive fluids
- Lubricants
- Ceramic glazes
- Sludge, slurry and waste fluid
- Soaps, detergents and solvents

Husky 1050HP



Technical Specifications :

- 1 in (25.4 mm) connection
- Max flow: 50 gpm (189 lpm)
- Aluminum, stainless steel

Husky 716



Technical Specifications :

- 3/4 in (19.1 mm) connection
- Max flow: 16 gpm (61 lpm)
- Aluminum, stainless steel

Husky 515



Technical Specifications :

- 1/2 in (12.7 mm) connection
- Max flow: 15 gpm (57 lpm)
- Polypropylene, acetal, PVDF

Husky 307



Technical Specifications :

- 3/8 in (9.4 mm) connection
- Max flow: 7 gpm (26 lpm)
- Polypropylene, acetal

Husky 205



Technical Specifications :

- 1/4 in (6.3 mm) connection
- Max flow: 5 gpm (19 lpm)
- Polypropylene, acetal, PVDF

Electric Operated Diapgragm Pump

Husky™ 1050e



Technical Specifications :

- 1 in (25.4 mm) connection
- Max flow: 159 gpm (42 lpm)
- Aluminum, Polypropylene, stainless steel

SoloTech 26 Hose Pump



Technical Specifications :

- Max flow: 37.1 lpm (9.8 gpm)
- 26 mm hose

Priming Piston Ink Pump



Technical Specifications :

- Enclosed, dual seal wet cup for longer seal life
- Runaway control with optional DataTrak™

Hydraulic Ink Pump



Technical Specifications :

- Up to 3 times more efficient than pneumatic pumps
- Typical applications:
  - Letterpress inks
  - Lithographic inks

Husky Dispense System



Technical Specifications :

- For 200 l (55 gallon) drums
- Full-width mixing provides color and material consistency throughout the drum

OUR
HIGH-END CUSTOMERS

COLOMBO DOCKYARD PLC

SRI LANKA PORTS AUTHORITY

Airport & Aviation Services (Sri Lanka) Limited

CSC LTD.

DUTCH LANKA TRAILERS®

HEXAS

SAGT PORT OF COLOMBO SRI LANKA

LAUGFS ENGINEERING

Royal Fernwood Porcelain

LALAN RUBBERS (PVT) LTD.

OTG Intelligent Glove Solutions

camso loadstar

Merbok

TRELLEBORG

RHINO

teejay

CBL Ceylon Biscuits Limited

REGNIS®

SINGER SRI LANKA

ACME PRINTING & PACKAGING PLC

SIGIRI SPACE STRUCTURES
(Pvt) Ltd - Negombo



ABOUT

Nilfisk

Nilfisk is a supplier of professional cleaning equipment in both industrial, commercial and consumer markets. The company is headquartered in Brøndby, Denmark, with sales entities in 45 countries and dealers in more than 100 countries.

VP 300 Dry Vacuum Cleaners



Typical application : VP300 eco is a well built, thoroughly reliable unit that can be relied upon to do the job day in and day out. It is ideal for cleaning offices, hotel rooms, retail outlets, and similar light to medium duty applications.

Technical Specifications :

- Low sound level creates less disturbance and enables daytime cleaning
- Eco friendly fan unit allows us to reduce power by 25% yet still achieve an excellent cleaning efficiency
- Weighs just 5.2 kg (machine only) for easy portability
- 10 liter container with 8 liter dust bag net filling - best in class filling capacity
- Superbly designed for simplicity and effective cleaning at an economic price

GD 930 / VP 930 Dry Vacuum Cleaners



Typical application : Nilfisk VP930 is the reliable partner for demanding cleaning applications in hotels, schools, offices and hospitals. Rugged and stable with a large dust bag capacity of 15 litres.

The ingenious design optimises air flow patterns and reduces energy losses to an absolute minimum, offering one of the quietest professional vacuum cleaners in the world.

Technical Specifications :

- Excellent sound level
- Outstanding durability with sturdy steel container
- High quality components
- High filling capacity, 15 litre dust bag
- HEPA H13 exhaust filtration as standard

Aero 21 Wet & Dry Vacuums



Typical application : Being compact, light-weight and robust, the AERO wet and dry vacuum cleaners can easily be transported to any location.

AERO 21 is compact and easy to use - the ideal choice for smaller cleaning jobs in workshops or at customer sites. It is a light-weight machine for workers within industry, automotive and building & construction featuring semi-automatic filter cleaning, ergonomic design and convenient storage.

Technical Specifications :

- Washable PET fleece filter with minimum 99.9% filtration efficiency.
- MultiFit accessory system for ultimate flexibility.
- Convenient accessory and cable storage.
- Exhaust air blow function.
- Stabile wheels and ergonomic design for safe operation.

Viper LSU 275 Wet & Dry Vacuums



Typical application : The VIPER LSU275 is a wet/dry professional vacuum cleaner. It is easy to use, robust and has optimal suction power.

LSU product family has a modular design with different tank capacities and motor quantities.

Technical Specifications :

- Easy to use and service
- Optimal suction power
- For wet or dry vacuum application
- Stainless steel or plastic tank

Scrubtec 343.2 E Floor Scrubber Dryers



Typical application : SCRUBTEC 343.2 offers excellent cleaning performance in a small compact size. Innovative squeegee lifting system operated by foot to increase comfort. Electronically controlled solution flows to save water.

Technical Specifications :

- Robust design
- Squeegee lifting with convenient foot pedal
- Rear drain hose with flow control
- Front extractable transportation wheel
- Electrical Ecofriendly water flow control
- Large capacity tanks 31 liter
- Safty yellow switches stops all major functions
- Quick and easy check of water level through the transparent hose

AS 510 Floor Scrubber Dryers



Typical application : Powerful, reliable and easy to useSuitable for cleaning in middle sized areas of hotels, restaurants, schools, shopping malls and other retail outlets, as well as hospitals, metro/train stations.

Technical Specifications :

- Simple and user-friendly: The solution and recovery tank is integrated into one mold to create higher tank capacity
- Great value for money: Available in both cable and battery version to give the customer the flexibility to choose the best way to cover their cleaning needs

AS530R Ride On Scrubbers



Typical application : The AS530R is the first mini ride-on scrubber dryer in the user-friendly Viper series, known for providing high cleaning efficiency at attractive prices. With battery and tank capacity to clean for hours, this machine is ready to take on areas of more than 5.000 m2.

Technical Specifications :

- An integrated on-board charger enables easy plug-in and battery charge at any outlet
- Water solution level indicator with volume visible on the tank
- Large opening to the 73 liter recovery tank allows easy cleaning
- Built-in squeegee hanging system on recovery tank for easy machine transfer in narrow areas
- Productivity: Working width 53 cm, Squeegee width 73 cm
- Versatility: Cleans tiled floors, vinyl, sealed wood, marble, concrete and other surfaces
- Efficiency: Speed 5.5 km/h, Climb rate 10%
- High performance: Brush pressure 23 kg, Brush speed 160 rpm

LS 160 HD Single Disc / Floor Polishers



Typical application : Perfect for daily indoor cleaning of hotels, restaurants, schools, shopping malls, exhibition centers, as well as schools and government institutions.

Technical Specifications :

- Simple and user-friendly: The machine is automatically locked off when the handle is in 90 degree vertical position.
- Soft start system and automatic brush installation
- High quality: The aluminum base and triple planetary gear box are engineered for low noise from motor and gears
- Great value for money: Water tank, brush and pad holder come as standard

MH5M E
Hot Water High Pressure Washers



Typical application : The ergonomic and easy to use MH design is now adapted to an electrical heated hot water unit. Ideal for use in areas where exhaust gases must be avoided, the MH 5M E offers pollution free hot water cleaning.
The MH 5M E is adapted to use in food industry. The MH E benefits from many of the same features as the MH 5M, including WDK dual chemical system, robust steel chassis and frame.

Technical Specifications :

- Pollution free electrical heating
- Three stage water tank heating for precise temperature control and fast heating effect
- 1450 rpm motor with low noise level
- Quick Service concept reduces maintenance costs
- 1450 Easy to use control panel, all controls in one place
- Ergonomic accessory system for additional user comfort
- Max. Inlet temperature 70°C

Densin C 110/150/170/200
High Pressure Washers



Typical application : Densin offers cold water high-pressure washers to meet your every need. From low-intensity or routine tasks to intense or specialty assignments, the Densin range meets your challenges head-on. Our solutions are innovative and versatile and come with a full range of accessories, guaranteeing you premium performance every time.

Technical Specifications :

- Low speed motor / pump unit.
- 3 fully ceramic pistons.
- Stainless steel valves.
- Class F motor will overload relay.
- Spark free Air motor.
- Non corrosive materials in pump, fittings & pipes.
- Long life seals.
- Built-in By-Pass/Safety Valve.
- Inlet/outlet quick couplings.
- Built-in Air filter, regulator and lubricator.
- Easy access for service and maintenance.
- High durability from low speed motor/pump unit.
- Trigger gun and Double Barrel Lance with Pressure Regulator.
- Electrical Cable, oil resistant – 10m.
- High Pressure Hose 3/8" – 10m.



ES 300
Carpet Extractors

Typical application : With the ES300 Nilfisk has entered a new era of carpet cleaning. This machine is ideal for cleaning your high and light traffic carpeted areas and not only remove dirt and water, but the machine also meets the highest standards to extend the life or your carpets. Besides its great productivity and cleaning performance ES300 is easy to operate.

Technical Specifications :

- The removable, increased capacity recovery tank along with the stowable handle make dumping and refilling much simpler
- Ergonomic adjustable handle for easy operation – adjusts to the height of the operator
- A floating brush head adjusting automatically for better carpet contact and improved water recovery
- A larger tank with increased water capacity provides extended cleaning time and fewer refills
- Powerful vacuum motor for efficient removal of dirt and faster dry times
- Adjustable handle design for easy maneuverability in tight spaces
- Compact design makes storage and maintenance more convenient
- Quickly switch between cleaning modes
- Large wheels for easy maneuverability for up/down stairs.

SW 750
Road Sweepers



Typical application : This battery powered, truly versatile sweeper can go anywhere and be used for cleaning everything from retail areas to gas stations. With the carpet kit, it can even clean soft floors.

Technical Specifications :

- Theoretic productivity of 2.880 m2 per hour
- Standard delivered with battery and onboard charger.
- Provides up to 2 hours run time on hard floors (approximately 6.000 m2).
- Optional battery increases running time to 3.5 hours
- Can be used both in and outdoors, washable polyester filter and filter shaker is standard
- Very low noise level allows sweeping in noise sensitive areas
- Main and side brooms are adjustable

OUR
HIGH-END CUSTOMERS

GALADARI
HOTEL COLOMBO

TAJ
SAMUDRA
COLOMBO

TAJ
BENTOTA RESORT & SPA
SRI LANKA

Cinnamon
LAKESIDE
Colombo

ONE GALLE FACE

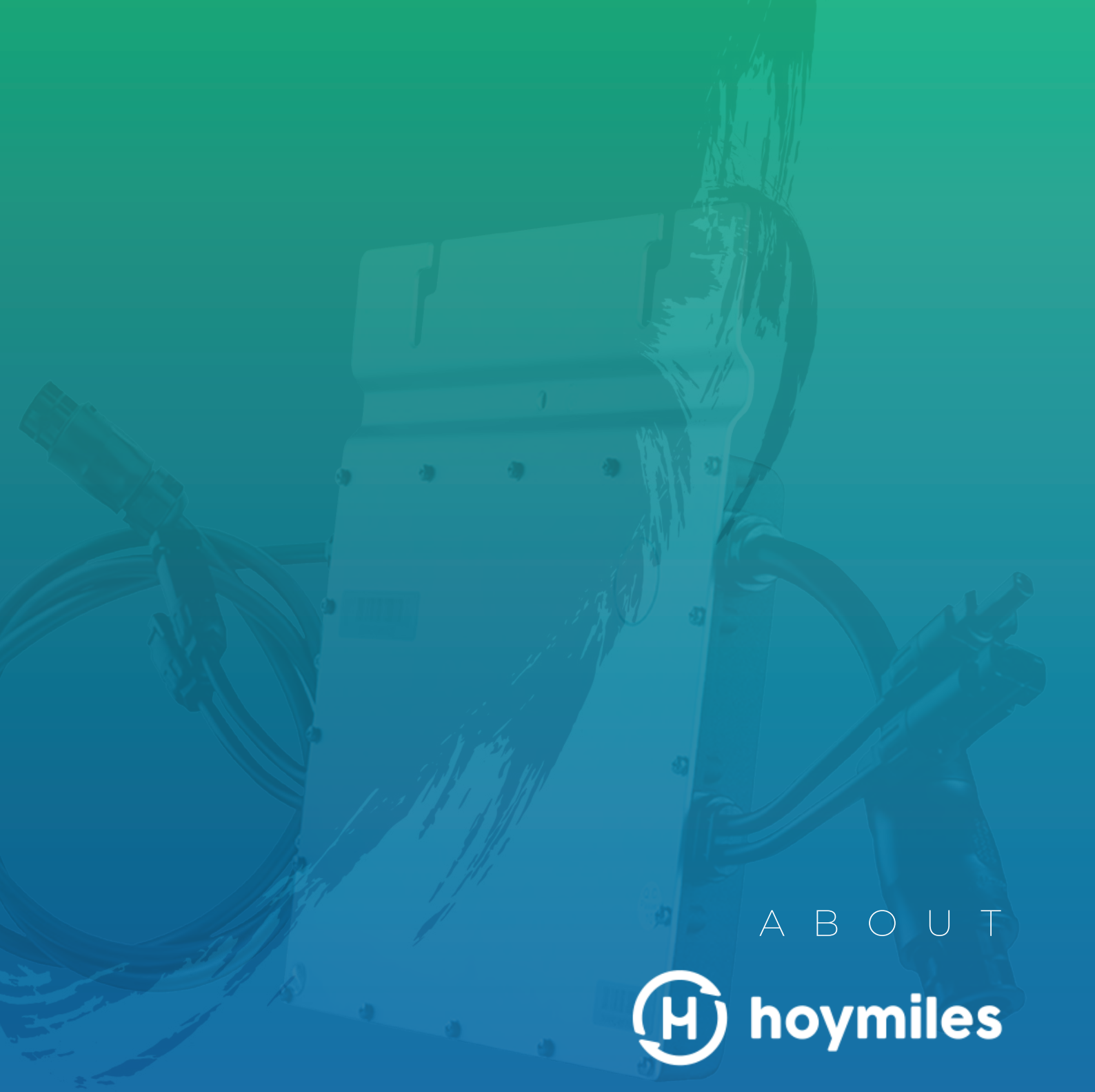
CENTARA
CEYSANDS RESORT & SPA SRI LANKA

gsk GlaxoSmithKline

NaVesta

camso loadstar

CBL
Ceylon Biscuits Limited



ABOUT

hoymiles

Hoymiles is a world's leading microinverter company specializing in MLPE (Module Level-PowerElectronics)solutions for global solar investors & end users.

As one of the fastest growing solar inverter brands globally, Hoymiles has offered a safer, smarter & easier module-leve l MPPT & module-level monitoring microinverter in over 50 countries covering the United States, Europe, the UK, Aust ralia,LATAM, India, Japan, Korea, South East Asia, Middle East & South Africa.

MI-1200W MICROINVERTOR



Technical Specifications :

- Safer : Up to 60V DC input voltage (natural rapid shutdown) to guarantee no electric shock & fire risk on rooftop
- Stronger : Module-level MPPT to ensure 10-30% more energy harvest compared with string inverter
- Smarter : Module-lever monitoring for remote troubleshoot ing & maintenance management
- Smaller, Lighter & Easier : Smaller than A4 paper size, 3kG only with AC cable (1.9 m) integrated, one person's easy installation
- More stable & reliable : 6000V surge protection, MTBF (mean time between failure) > 550years, yearly failure rate < 0.18%
- Better Payback (IRR) : Module-level solution, extremely low failure, longer generation (star-up voltage 22V only), low LCOE (Levelized Cost of Electricity) for long period (20+ year) of investment

Typical application : "The World's First Daisy-Chain 2 in 1 Microinverter for large scale commercial application" is designed for dual solar panels with double MPPTs, and wide DC input operating voltage range (16-60V) and low start-up voltage (22V only). Hoymiles 2 in 1 microinverter MI-500/MI-600/MI-700 is the world's most powerful microinverter solution for dual solar panels with CEC weighted efficiency as high as 96.5% (world's No.1 for 2 in 1 unit in 2015); with quicker installation and much higher power density compared with single unit, it's also one of the best-selling microinverters for Hoymiles up to now worldwide.

MI-600W MICROINVERTOR



Typical application : "The World's First Single-Phase Microinverter" designed for 4 solar panels with dual MPPTs, with wide DC input operating voltage range(16-60V) and low start-up voltage (22V only). Hoymiles 4 in 1 microinverter MI-1000/MI-1200 is "The Best Power Density Microinverter" ever in solar industry with extremely light weight - only 3.75kG including integrated DC & AC cables; 3-phase wiring makes it easy to be configured by Hoymiles 4 in 1 microinverter for MW size industrial/commercial PV power stations (one the world's biggest microinverter projects configured by Hoymiles microinverter is 3.6MW).

Technical Specifications :

- Safer : Up to 60V DC input voltage (natural rapid shutdown) to guar antee no electric shock & fire risk on rooftop
- Stronger : Module-level MPPT to ensure 10-30% more energy har vest compared with string inverter
- Smarter : Module-lever monitoring for remote troubleshooting & maintenance management
- Smaller, Lighter & Easier : Smaller than A4 paper size, 1.98kG only with AC cable (1 m) integrated, one person's easy installation
- More stable & reliable : 6000V surge protection, MTBF (mean time between failure) > 550years, yearly failure rate < 0.18%
- Better Payback (IRR) : Module-level solution, extremely low failure, longer generation(star-up voltage 22V only), low LCOE (Levelized Cost of Electricity)for long period (20+ year) of investment

MI-1500W MICROINVERTER



Technical Specifications :

- Safer : Up to 60V DC input voltage (natural rapid shutdown) to guarantee no electric shock & fire risk on rooftop
- Stronger : Module-level MPPT to ensure 10-30% more energy harvest compared with string inverter
- Smarter : Module-lever monitoring for remote troubleshoot ing & maintenance management
- Smaller, Lighter & Easier : Smaller than A4 paper size, 3kG only with AC cable (1.9 m) integrated, one person's easy installation
- More stable & reliable : 6000V surge protection, MTBF (mean time between failure) > 550years, yearly failure rate < 0.18%
- Better Payback (IRR) : Module-level solution, extremely low failure, longer generation (star-up voltage 22V only), low LCOE (Levelized Cost of Electricity) for long period (20+ year) of investment

Typical application : "The World's First Dai-sy-Chain 2 in 1 Microinverter for large scale commer-cial application" is designed for dual solar panels with double MPPTs, and wide DC input operating voltage range (16-60V) and low start-up voltage (22V only). Hoymiles 2 in 1 microinverter MI-500/MI-600/MI-700 is the world's most powerful microinverter solution for dual solar panels with CEC weighted efficiency as high as 96.5% (world's No.1 for 2 in 1 unit in 2015); with quick-er installation and much higher power density com-pared with single unit, it's also one of the best-selling microinverters for Hoymiles up to now worldwide.

JINKO 465W TIGER MONOFACIAL



Key Features on The NEW 465W Modules :

- TR Technology + Half Cell
  Resulting in 20.88% Efficiencies & reducing hotspot issues
- Higher Lifetime poweryield
  2.5% First year degradation & 0.6% lineardegradation
- 9BB instead of5BB : Increases powergeneration
- 25 years Performance warranty & 12 Years manufactur ingwarranty
- Dimensions & Weight – 2168mm x 1021mm x 40mm25.4KG

ABOUT

MPE Company is specialized in the field of water treatment. Also we are leading importing and supply water treatment equipment in Sri Lanka.

OUR VISION

MPE vision is to be the innovative provider of total water solutions in Sri Lanka.

OUR MISSION

MPE will be recognized as the most innovative and flexible provider in the field of Total Water Management by focusing on safe, economical and environmentally sound solutions. Our employees will provide the most cost-effective integrated solutions comprised of engineering, equipment, chemistry and service to improve customer operations. We are committed to providing our employees with opportunities for learning and personal growth. Creativity and innovation are encouraged for improving effectiveness of our solutions. Employees will be provided the same respect and responsiveness within the organization which they are expected to share with customers. We will have innovative technical solutions to customer problems.

RO Membrane





MODELS AND APPLICATIONS OF MEMBRANE ELEMENTS

- Reverse osmosis (RO) and nanofiltration (NF) membrane elements can be divided into “industrial” , “commercial” , “residential” three series according to the application field.
- RO membrane has brackish water (BW), ultra-low pressure (ULP), extreme low pressure (XLP), fouling resistant (FR), sea water desalination model (SW) etc. according to its performance.
- NF membrane has high flux (NF2), high rejection (NF1), material separation model (NF-F) etc. according to its performance.
- Flat sheet membrane types: brackish water (BW), high rejection (ULP-HR), high flux (ULP), extreme low pressure (XLP), high rejection (NF1), high flux (NF2).





PENTAIR

HYDRANAUTICS
Nitto Group Company



RO Drinking Water System





Reverse Osmosis household drinking water purification systems are commonly used for improving water for drinking and cooking. Such systems typically include a number of steps: A sediment filter to trap particles including rust and calcium carbonate optionally a second sediment filter with smaller pores. An activated carbon filter to trap organic chemicals, and chlorine which will attack and degrade TFC reverse osmosis membranes A reverse osmosis (RO) filter which is a thin film composite membrane Optionally a second carbon filter to capture those chemicals not removed by the RO membrane. Optionally an ultra-violet lamp is used for disinfection of any microbes that may escape filtering by the reverse osmosis membrane.

UV Water Sterilizer



Ultraviolet sterilization is considered to be one of the most effective water treatment methods for disinfection. UV sterilizers work quickly in targeting and stabilizing all biological impurities found in water. Additional chemicals are not needed, therefore saving costs, including containing no danger of overdosing.

Once the sterilization process is complete, up to 99% of germs will be killed in under 10 seconds of exposure to the UV light. Ease of installation, no alteration of pH, taste, and other elements of water gives UV water treatment its esteemed reputation.

With expertise of Pure Aqua ultraviolet water sterilizers, you will receive economical solution that creates value for you while reducing your operating costs for reverse osmosis units.

Filter Cartige Housing



The slim blue filter canister with a cap and a housing wrench. There is can be a metal bracket installed on the top of the housing. This water canister is used mainly at hotel or at your housing mains fed water supply room. The housing installed. This can block the puritans coming into your house water system.

Features :

- Your first choice for your whole house system
- Max working pressure is 130PSI
- The breaking point is 340PSI
- CYS testing is 0-150PSI with 10000 times
- The breaking point available: 1/4'', 3/8'', 3/4'', 1''
- The material available for the port: Brass or plastic
- Filter cartridge inside the filter canister can be optional

FRP Vessels



Quick Details :

- Place of Origin: Jiangsu, China
- Brand Name: HY tank
- Model Number: Dia.8'' to 63'' inch
- Color: Blue / Nature / Gray
- Label: Martin / HuaYu
- Working pressure: 150 psi

PRODUCT RANGE

- FRP-VESSEL- 07x35
- FRP-VESSEL- 08x44
- FRP-VESSEL- 10x54
- FRP-VESSEL- 12x52
- FRP-VESSEL- 13x54
- FRP-VESSEL- 14x65
- FRP-VESSEL- 16x65
- FRP-VESSEL- 18x65
- FRP-VESSEL- 21x62
- FRP-VESSEL- 24x72
- FRP-VESSEL- 30x72
- FRP-VESSEL- 36x72

Specification :

- Inner shell: Polyethylene (PE) seamless one-piece tank liner
- Outer shell: Continuous strands of fiber-glass with high strength epoxy resin
- Bottom base: FRP reinforced tripod base
- Opening: 2.5'' & 4'' precision injected model with threaded opening for 8'' to 36'' diameter tanks
- Opening: 6'' Aluminum flange (anti-corrosion coating) opening for 36'' to 63'' diameter tanks
- Working Pressure: (a)=1.0MPa(150PSI)
- Maximum Vacuum: 127mmHg(5''Hg)
- Certificates: CE ; NSF ; ISO9001 ; etc...
- Working Temperature: =49^{0} C
- Maximum Temperature: 40C (104F)
- Media: Water

Multiport Valves :

AUTO SOFTNER MULTIPORT VALVE



Sizes : inlet / outlet: 3/4 / 1 in / 1.5 in / 2 in

TECHNICAL PARAMETER :

- Controller model: Volume type / Down-flow
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 4.5t/h
- Tank Diameter Range for Softens: 6”-18”
- Water Inlet/Outlet: 1”M (Outer tooth)
- Drain: 1/2”M (Outer tooth)
- Brine Tank Connection: 3/8”M (Outer tooth)
- Rinse Pipe: 1.05”OD (26.7mm)
- Base (The connector for tank): 2-1/2” 8NPSM

FEATURES :

- More reliable way of opening and close
- Manual function : When it out of electricity or controllers do not work properly, will operate by the hand-wheel.
- Keyboard locked function: The key set will lock automatic exceed one minute, you must open the lock over again when you operate, prevent wrong operation.
- It adopts LED dynamic colorful screen: The colorful screen flicker express it is in the state of running, otherwise express it is in the state of regeneration.
- Prompt power cut secularly: Out of electricity exceed three days, you must reinstall the currently time when the timepiece flicker ceaselessly, the already setting time is not changed.
- No coming water while single pot type control valve regeneration
- Having output signal connector: via three port of open, close, common down-lead to connect the electromagnetism valve or increase-pressure pumps.
- Two modes of flow meter: By changing the process parameter to realize to change the mode to be volume delayed (A-01) or volume timely (A-02).
- It could set up maximum interval regeneration days: This parameter means no matter how much flux it is set, or how much flux treated, when it exceeds the maximum interval generation days (could be set within 0 to 40 days), than it will start up regeneration although the flux is not reached the set value.



Multiport Valves :

MANUAL SOFTNER MULTIPORT VALVE

Sizes : inlet / outlet: 1/2 in / 3/4 in / 1 in / 1.5 in / 2 in

FEATURES :

- Adopt the high degree pottery, seal slice with scuff resistance, corrosion proof, perfect sealing, and long time for using.
- Manual operate directly realize regeneration immediately
- Cleaning the ejection nozzle automatically when adding water, to prevent block.
- No coming water while single pot type control valve regeneration.
- When do not need soften function, block ejection nozzle could do purifier treatment

TECHNICAL PARAMETER :

- Controller model: Manual / Down-flow
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 4.5t/h
- Tank Diameter Range for Softens: 6”-18”
- Water Inlet/Outlet: 1”F (Inner tooth)
- Drain: 1/2”M (Outer tooth)
- Brine Tank Connection: 3/8”M (Outer tooth)
- Rinse Pipe: 1.05”OD (26.7mm)
- Base (The connector for tank): 2-1/2” 8NPSM

Multiport Valves :

MANUAL FILTER MULTIPORT VALVE



Sizes : inlet / outlet: 1/2 in / 3/4 in / 1 in / 1.5 in / 2 in

TECHNICAL PARAMETER :

- Controller model: Manual Suited
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 4.5t/h
- Tank Diameter Range for Softens: 6”-12”
- Water Inlet/Outlet: 1”F (Inner tooth)
- Drain: 1”F (Inner tooth)
- Rinse Pipe: 1.05”OD (26.7mm)
- Base (The connector for tank): 2-1/2” 8NPSM

FEATURES :

- Adopt the high degree pottery, seal slice with scuff resistance, corrosion proof, perfect, sealing, and long time for using.
- Reasonable fluid design: Service—Fast Rinse—Backwash—Fast Rinse—Service.
- Small rotation angle for closing and opening, It feel swell for operation.
- It could operation with pressure, no leakage.



Multiport Valves :

AUTO FILTER MULTIPORT VALVE

Sizes : inlet / outlet: 3/4 in / 1 in / 1.5 in / 2 in

TECHNICAL PARAMETER :

- Time type / Up-flow
- Suited pressure: 0.1 - 0.6MPa
- Suited water temperature: 5-45
- Water Capacity: 10t/h
- Tank Diameter Range for Softens: 10”-30”
- Water Inlet/Outlet: 2”M (Outer tooth)
- Drain: 1”M (Outer tooth)
- Brine Tank Connection: 1/2”M (Outer tooth)
- Rinse Pipe: 1-1/2” D-GB
- Base (The connector for tank): 4” -8UN

FEATURES :

- More reliable way of opening and close.
- Keyboard locked function: The key set will lock automatic exceed one minute, you must open the lock over again when you operate, prevent wrong operation.
- It adopts LED dynamic colorful screen: The colorful screen flicker express it is in the state of running, otherwise express it is in the state of regeneration.
- Prompt power cut secularly: Out of electricity exceed three days, you must reinstall the currently time when the timepiece flicker ceaselessly, the already setting time is not changed.
- No coming water while single pot type control valve regeneration
- Two kinds of counted modes for running: switch the “ON” and “1” which in the electrical control main board to reach the purpose of running by day or hour. It will take effect when restart.

MICRON FILTER CARTRIDGE / CTO / UV BULB











WATER TEST KIT



Hardness Test Kit / Clorine Test Kit / PH Test Kit

TDS & PH PEN



TDS Meter Test Pen Digital Electric Portable Water Hydroponics Aquarium Tester



PH Meter Test Pen Digital Electric Portable Water Hydroponics Aquarium Tester

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