

Expertise - Quality - Service



ASAUTOMECH
S O L U T I O N S

Company Profile



www.asautomech.co.za



Applying the highest standards of Engineering through...

EXPERTISE, QUALITY & SERVICE





We engineer and develop equipment and systems for
INDUSTRIAL SOLUTIONS

in the Advanced Water Treatment, Mining Reagent
Systems, and Food Processing Industries



Our products & services:

- Econo Series Reagent Units
- Reagent Make-up & Dosing Plants
- OEM with Turnkey Capabilities
- Quality Water Filtration & Purification Plants
- Trickling Filtration & SAF Sewage Treatment
- Containerised Packages for Export & Fast Deployment

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About us:

Unique Market Positioning

With skilled personnel, the latest technology, and well-equipped workshops, we are established as an Original Equipment Manufacturer or OEM in specific sectors of the market. Our equipment is in-house engineered, drawn and designed with a blend of innovation, experience, and knowledge. Applying the latest technology from the automation industry to our OEM products, allow us the opportunity to keep in touch with the latest developments in the automation world.

Through formal training and experience, we have evolved into a recognisable role player in various sectors of the market. We have successfully identified the growing requirements for reduced site work and installation time. Our Engineered solutions focus on Pre-Package systems which are Engineered, Fabricated, Assembled, Tested and Commissioned prior to shipment across the globe. Our unique skillset has evolved around efficient deployment packages either Modular, Containerised or Skid based options.

Our multi skilled and motivated team are disciplined, flexible and well equipped as certified pipe-fitters, coded welders, master electricians and automation specialists, empowering us against many larger, role-players in the industry.

With a highly marketable product range and unique solutions we have successfully broadened our horizons and entered the ever growing industrial sector expanding into vast desolated and mostly underdeveloped countries and areas previously unexplored and untapped.





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Key Areas of Operation



1. Econo Series & Reagent Preparation Plants

Various Pre-Engineered Preparation Units available

- Econo-Series equipment from (0 – 20 Kg/hr)
- Silo's for Urea, Flock, Lime, Guar (1 – 65M³)
- Mild, Stainless and Duplex Plants
- Fully Skid Mounted and assembled
- Electrical / Control Packages in or excluded
- Not chemical vendor specific.



2. MF, UF, RO & Advanced EDI Systems

Small to Medium containerised pre-engineered systems available

- Containerised Drinking Water Plants (0 – 50M³/Hr)
- Boiler Feed preparation systems using FEDI
- Food and Beverage – Raw and wash water recovery
- Mining – Portable, process and water recovery



3. Stainless/Mild & Special Steel Fabrication

- Tanks, Silo's, Structures and Pipework
- Coded Welders – AWS D1-1/6, ASME IX
- Materials – Carbon Steel, 304 / 316 L Stainless / Duplex Stainless

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4. Turnkey Projects and Management

- Multi Disciplined functionality for all our projects
- In-House Engineering and 3D Modelling
- QC and Procurement Control
- Electrical and Instrumentation
- PLC, Scada and System Integration



5. Specialised MCC & Control Panels

Design, Fabrication and Assembly of MCC Panels

- Elementary to advanced Control Panels
- Starters, VSD's and Control Gear
- Profibus, DeviceNet, EtherNet and TCP/IP communication
- Cable work and Racking as needed.



6. Automation with Applied Solutions

As authorised system integrators and distributors for several brands we are in a position to understand the need and requirements of our clients integrating our equipment and products with the already existing plant. We have a thorough knowledge and understanding of Process, Equipment and Control Systems, allowing AS AutoMech to go one step further than the average SI, equipment manufacturer, or general fabricator.



7. SAF and Containerised Trickling Sewage Plants

Quick deployable pre-commissioned sewage units available ideal for mining camps and shopping centres

- Various Pre-engineered Models form 30 - 1200 Person Units
- Simplified Control and Operating Procedures
- Low utility and power requirements
- Modular Septic Tank selection



ORGANIZATION	DESCRIPTION	LOCATION	YEAR
Albidon (PTY) Ltd	Reagent Preparation Systems	Zambia	2007
Lormin Platinum	316 SS Reagent Preparation System	Rustenburg ZA	2013
Anglo Gold Ashanti	Underground Settler De-Gridding	Welkom ZA	2011
Control Dosing	12kg/hr Flock Silo & Make-Up System	Botswana	2013
Nando's Sauce Factory	Sauce & Batch Preparation with Bottling	South Africa	2001
Amplats (Waterval Smelters)	Flock Silo & Chemicals Preparation	South Africa	2013
McCain (Delmas)	Flake line - Turnkey Automation Package	South Africa	2008
McCain (Delmas)	Line 2 - Turnkey Automation Package	South Africa	2008/9
Goldfields - Twinshafts	25kg/hr & 2 Off 12 Kg/Hr Flock Plans	South Africa	2012
Xstrata Margareng	40 M ³ /Hr UF Plant – Drinking Water	South Africa	2013
Sasol / UHDE	65 Kg/Hr UREA Preparation Plant	South Africa	2012
Sasol / UHDE	KOH & MGCl ₂ Preparation Plants	South Africa	2013
SANDF	Movable UF&RO Plants – Drinking Water	Botswana	2013
McCain (Delmas)	Projects – Dry Infeed Project. Turnkey Automation Package	South Africa	2014
WEC Projects - Zeekoegat	65 TonLime Silo & Preparation	South Africa	2014
WEC Projects - Welgedagt	50 TonLime Silo & Preparation	South Africa	2014
McCain (Delmas)	Projects – Compressor Upgrade. Turnkey Automation Package	South Africa	2014
Sasol / UHDE	Duplex SS Piping Fabrication	South Africa	2014
FL Smidth	50kg/Hr Flock Plant - Export	Armenia	2014

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ORGANIZATION	DESCRIPTION	LOCATION	YEAR
Kemira	Flocculent Optimiser & Reagent System	Burkina Faso	2014
DRA - Newmont	Raw Water Plant – 1200M ³ /Hr	Ghana	2015
DRA – Asanko II/Newmont	Potable Water (UF & RO) 400 M ³ /hr	Ghana	2015
Improchem	Flocculent Optimiser & Reagent Control	South Africa	2015
Manuchar (PTY)	Caustic Make-up and Dilution	Madagascar	2015
Nanotech - BAT	RO, UF & MF Systems	South Africa	2015
DRA - Newmont	Potable Water (UF & RO) 1200 M ³ /hr	Ghana	2016
DRA - Newmont	65M ³ Lime Silo and Dosing	Ghana	2016
Vergenoeg Mine	Model 5 Econoflock	South Africa	2016
FL Smidth	Reagent Systems & Plant	Iran	2016
Nanotech - Newmont	Sewage & Raw Water Systems	Ghana	2017
Nkomati Nickle	Chemical Preparation Systems	South Africa	2017
Nanotech - Alufer	Sewage & Raw Water Systems	Guinea	2017
Nanotech - Bisitin	Raw & Potable Water Systems	DRC	2017
CURRENT PROJECTS 2018	COMPLETE OR IN PROGRESS		
Nanotech – Nokeng	Raw, SAF Sewage, Potable Systems	South Africa	2018
Nanotech – Subika II	Sewage & Raw Water Systems	Ghana	2018
Nalco Ecolab	Chevron – Chemical Containers	South Africa	2018





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