TRIDO
SOLUTIONS LLC

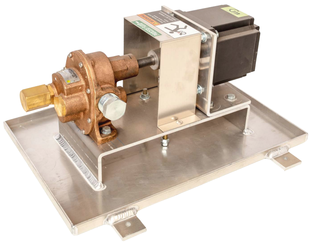
Solar-Powered Solutions For Fugitive Methane Emissions

TRIDO Solutions is a technology company that designs and builds solar compressors and pumps with superior reliability.

TRIDO's patented technology features ultra-low power consumption, allows deployment in remote locations with no grid access.

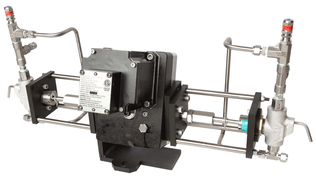
Burning Gas = Burning Cash
TRIDO saves money while eliminating GHG emissions

Air Compressor
Low Power Usage
Minimal Solar Footprint



Circulation Pump
Superior Reliability
Low Maintenance

Compressor Pump Combo
Injection & Compression All in One
Low Cost - High Efficiency



Injection Pump
Support Up To 8 Injection Lines
Adaptable To Most Pump Heads

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Technology For Performance

Positive Change, One Pneumatic Device At A Time

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Inspired by aerospace application, TRIDO developed the Permanent High Power Magnet AC (PMAC) 3 phase brushless motor and patented VFD controller technology to deliver work with minimum power consumption and maximum efficiency.

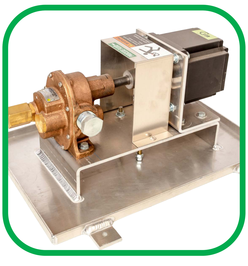
PMAC Motor

- Draw 10% of power compared to peers
- Soft-start 0.3A power draw, no wear on equipment
- Class 1 Div. 1 Groups C & D, robustness in safety

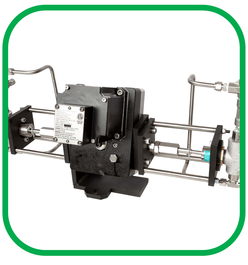
VFD Controller

- High precision with 4000 feedbacks per second
- Automation compatible with SCADA through MODBUS
- Remote control with pressure/temperature/volume sensor

- Replace fuel gas with instrument air
- Automation compatible with SCADA
- Oil-less compression + regen dryer
- Clean, dry air with no contamination
- Max discharge pressure up to 120 psi
- Modulize design supports 0.1 - 7.2 cfm



- 17 days autonomous run time
- Automation compatible with SCADA
- Circulation rate : 1-12 GPD
- Max discharge pressure: 100 psi



- Power up to 8 individual injections
- Automation compatible with SCADA
- Injection rate : up to 320 GPD total
- Max injection pressure: up to 15000 psi

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