

# IJACK™ XFER

## AUTOMATED TRI-PHASE TRANSFER AND BOOSTER PUMP

INCREASE PRODUCTION AND ELIMINATE FACILITIES WITH MINIMAL INVESTMENT



**IJACK™ XFER** TRI-PHASE TRANSFER AND BOOSTER PUMP IS A COST-EFFECTIVE PUMPING AND COMPRESSION SYSTEM. XFER TRANSFERS OIL, WATER, GAS AND SOLIDS FROM THE WELLHEAD DIRECT TO THE BATTERY WHICH ALLOWS FOR INCREASED PRODUCTION BY LOWERING CASING, WELL AND FLOWLINE PRESSURES. THE XFER REPLACES SATELLITE FACILITIES AND CAN BE USED AS A POWERFUL BOOSTER PUMP FOR INJECTION WELLS.

### **A SIMPLE SOLUTION WITH PROVEN BUSINESS CASES**

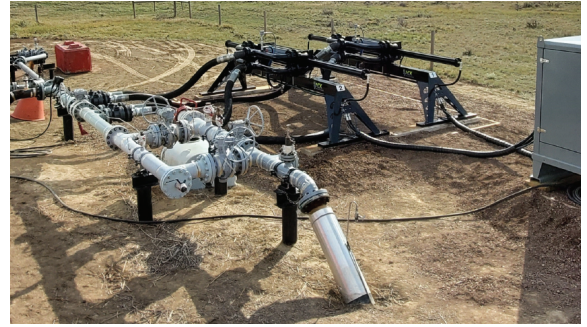
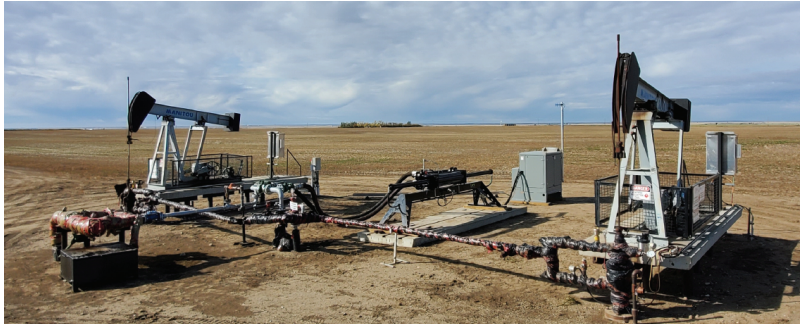
Our customers have proven that our **IJACK XFER Tri-Phase** Transfer and Booster Pump has many business cases:

1. Lowers well, casing and field pressures, increasing production. Lowers flowline pressures, increasing capacity
2. Pumps and compresses oil, water, gas emulsions and slugs (including sand and paraffin) from the well directly to the battery with no facilities in between
3. Replaces entire satellite facilities and significantly lowers operating and maintenance costs
4. Intakes can be tied directly to flowlines, headers or risers without the need for separators
5. Lowers PCP rod torque, extends plunger lift run life, lowers gas lift injection pressures and increases run life of down-hole equipment by relieving pressure on the whole system
6. Uses significantly less horsepower compared to horizontal screw and high-output pumps, resulting in significant cost savings
7. Minimal downtime, fewer maintenance intervals with all maintenance done on-site in a few hours
8. A fraction of the maintenance cost of traditional horizontal pumping equipment completed by local service crews in the field, resulting in lower cost of ownership
9. Can be set up in parallel to maximize equipment usage efficiency during declines, or in series for high pressure differentials
10. XFER covers boost pumping applications with high inlet pressures beyond triplex, screw, or centrifugal pumps
11. Customer testimonial – **“You just press start and walk away”**



Get In Touch

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## INCREASE PRODUCTION UPSTREAM AND LOWER COSTS MIDSTREAM

The IJACK™ XFER is an innovative stand-alone fully-automated plug-and-play tri-phase transfer and booster pump which can pump and compress 100% fluids to 100% gas (with an average 90% GVF) including sand and paraffins through one flowline direct to a facility or battery.

### PRODUCTION OPTIMIZATION

The XFER can be tied directly into flowlines for individual wells or well pads to draw down well and casing pressures, increasing oil production. As a benefit of the lower pressures, the wear and tear on downhole equipment is reduced, PCP torque rates and gas lift injection pressures are lowered and plunger lift cycles are increased. Installing the XFER at headers lowers overall field and flowline pressures to allow more wells, new drills, and/or previously shut-in wells to discharge into existing lines while continuing to lower casing pressure of the wells.

### MULTIPLE MODELS. MULTIPLE OPTIONS

Production models (single unit) can handle:

**6,500 m<sup>3</sup>/d (40,800 bbls/d) of fluids and 90% GVF's of 26 e3m<sup>3</sup>/d of gas**

**Custom models (single unit) can handle: 28,600 m<sup>3</sup>/d (179,800 bbls/d) of fluids and 90% GVF's of 100 e3m<sup>3</sup>/d of gas**

**Parallel units** will increase these volumes to meet your requirements. **Pressure differentials** for single ANSI 300 units are up to 480 PSI and can be increased to 740 PSI when used in series. ANSI 600 and 900 units are also available.

## FLUID TRANSFER

Moving tri-phase production (oil, water, gas with sand and/or paraffins) from a wellsite to a satellite, then separating the phases to send the fluids and gas to a processing facility, is not just a production challenge - it is also an economic challenge. Depending on the medium and terrain, various facilities might be required before production reaches the main battery.

XFER solves this production challenge and significantly reduces operating costs by sending the production emulsion directly to the battery without the need of separating, treating, compression and/or pumping facilities in between. Setup XFERs in parallel to handle high initial fluid and gas flow rates, then remove units as volumes decrease, putting an end to underutilized facilities. Setup XFERs in series when high discharge pressures are required to push production long distances and over mountainous terrain. Eliminating facilities achieves significant cost savings from building, operating, maintaining and dismantling them.

## INJECTION WELLS

XFER can also be used as a pressure booster pump for water or fluid injection activities. As pressure drops along the line and fluids no longer have the injection pressure required, adding a strategically placed XFER at a riser will return the fluids to the same pressure as when they left the facility. XFER is an economical way of extending the reach of current facilities.

## PATENTED TECHNOLOGY

IJACK's patented proprietary designs involve a position control system developed to maximize pump efficiency, and a buffer chamber that eliminates cross-contamination of fluids and extends hydraulic fluid and seal system run life. You will only find these features on IJACK's products!

*The IJACK team is excited to work with you to determine which XFER set-up will best suit your application. We also custom-design and manufacture units for specific needs!*

# SUPERCHARGE YOUR XFER WITH REMOTE CONTROL AND MONITORING

## IJACK™ RCOM: REMOTE CONTROL AND MONITORING SYSTEM

### KEEPING YOU ON TOP OF WELL PERFORMANCE.

No matter where your XFER is. No matter where you are. You are always in control. **IJACK™ RCOM** remote control and monitoring shows you precise, comprehensive, up-to-the-minute operating data, historical trends, compression cards, alarm logs and the ability to remotely control your units.

RCOM also includes an alerting system via email, SMS text messages, or phone calls to alert you of any problems such as power outages, suction and discharge pressure spikes, and guides you on steps to be taken. Custom alerts can be created for any metric of interest, and configured from myijack.com



**Location:**

Legend:  
— Suction pressure (PSI)  
— Discharge pressure (PSI)  
— Suction target (PSI)  
— Max discharge setpoint (PSI)  
— Min suction setpoint (PSI)

**Categories**

- Pressure
- Speed
- Effort
- Output
- Indicators

**Category Items**

- Suction pressure (PSI)
- Discharge pressure (PSI)
- Delta P (PSI)
- Suction target (PSI)
- Max discharge setpoint (PSI)
- Min suction setpoint (PSI)

**Alarm Log (Last 14 Days)**

Timestamp	Item
Fri, Apr 17, 10:09 PM	IJACK operating normally
Fri, Apr 17, 10:09 PM	Speed derated, IP above max
Fri, Apr 17, 10:03 PM	Ready to be started
Tue, Apr 14, 04:14 PM	Alarms cleared
Tue, Apr 14, 04:14 PM	Speed derated, IP above max
Tue, Apr 14, 04:15 PM	IJACK operating normally
Tue, Apr 14, 04:14 PM	Start, operator pressed start
Tue, Apr 14, 04:14 PM	Start, operator pressed start
Tue, Apr 14, 04:14 PM	Ready, motor off in 20min
Tue, Apr 14, 02:22 PM	Ready to be started
Tue, Apr 14, 02:22 PM	Stop, operator pressed stop
Tue, Apr 14, 02:22 PM	Start, operator pressed start
Tue, Apr 14, 02:19 PM	Ready, motor off in 20min
Tue, Apr 14, 02:17 PM	Check prox sensor gap (e.g. 3 mm)
Tue, Apr 14, 02:15 PM	Ready, motor off in 20min
Tue, Apr 14, 02:15 PM	Stop, operator pressed stop
Tue, Apr 14, 12:48 PM	IJACK operating normally
Tue, Apr 14, 12:38 PM	Start, operator pressed start
Tue, Apr 14, 12:38 PM	Ready, motor off in 20min
Tue, Apr 14, 11:25 AM	Ready to be started

**Unit Status:**

- Time since last reported: 38 secs
- IJACK operating normally: Good
- Unit stroking: Good
- Unit online (internet connected): Good
- Motor on: Good
- Warning 1: motor on: Good
- Warning 2: hydraulics on: Good

**Other Information**

- IJACK Model: XFER 2270
- Power unit serial number: [REDACTED]
- AWS 'thing name': 1000066
- Well license: 11000
- Cellular signal strength: 57%
- IMEI: 268022030206291
- Access Point Name (APN): wermstar2c.bell.ca.100
- SIM card phone number: [REDACTED]
- Software version (PLC): 309
- Software version (gateway): 1.27
- Restart attempts, if unit stops: 10
- Minutes between restart attempts: 5

**Start**

Start unit: Start

Stop unit: Stop

**Lock**

Unlock unit: Unlock

Lock unit: Lock

**Speed**

**Max speed**

Currently 100 %

Enter 2-100

Submit

**Min speed**

Currently 20 %

Enter 5-100

Submit

**Horsepower limit**

Currently None HP

Depends on unit

Submit

**Adjustment speed**

Currently None PID

Enter 1-4

Submit

**Pressure**

**Suction target**

Currently None PSI

Enter 1-250

Submit

**Max discharge**

Currently None PSI

Depends on unit

Submit



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