

REVOLUTIONARY. SAFE. VERSATILE. PRECISE.



LaValley Industries

THE SAFEST, MOST EFFECTIVE MATERIAL
HANDLING TOOLS OF TODAY AND TOMORROW

**OUR TOOLS IN YOUR HANDS,
GET JOBS DONE!**

www.LaValleyIndustries.com



LaValley Industries



TONGHAND®



DECKHAND®

OUR TOOLS IN YOUR HANDS, GET JOBS DONE!

Strength, precision and control, our line of “smart” attachments outperforms all other material handling methods.

DECKHAND® MODULARITY

Pipe Handling

Load lock valves, 360° rotation, shift and tilt functions allow the DECKHAND® with Pipe Arms to outperform all other pipe handling methods.

Drill Rod Handling

The DECKHAND® with HDD Arms allows you to pick a drill rod out of a stack and perfectly position it from the safety of the excavator cab without additional ground personnel.

Utility Work

Strong, safe and versatile, the DECKHAND® with Utility Arms allows you to position utility pole casings and I-beams with safety, speed, and accuracy.

Road Mats

No more free swinging mats and no more near misses. Gain total control of your road building work with the DECKHAND® with Mat Arms.

Weld Positioning

The DECKHAND® with Weld Positioning Arms allows pipeline tie-in operations to be performed with unmatched safety, speed and precision.

Custom Solutions

Need something unique? Let us help you get a grip on your load with a custom solution, designed and built by our team of engineers.

TONGHAND® Exit Side Solution

Making and breaking drill pipe on the exit side of HDD operations will never be the same again! Grip it, spin it and torque it up, all from the safety of the excavator cab.



OUR PRODUCT LINE



DECKHAND®



DECKHAND® S



DECKHAND® DH5HP



DECKHAND® L



DECKHAND® XL



TONGHAND®

NEED SOMETHING SPECIAL >>

WE ALSO OFFER
CUSTOM SOLUTIONS

DECKHAND®

Engineered around optimal pipeline safety, the DECKHAND® by LaValley Industries allows precise load handling and placement without the need for a ground crew working in the vicinity of moving pipe, poles or road mats. DECKHAND® is designed to work safely in any weather condition, including wind, mud, snow and ice.

The DECKHAND® system is a modular design that consists of a main head unit used with a variety of interchangeable arms. The main head mounts to any brand of excavator—the excavator's auxiliary hydraulics then safely and efficiently power the DECKHAND® system. The interchangeable arms are used to pick up pipe, poles, casings or road mats and securely lift, lower, rotate, and tilt the load under the total control of the operator. Arms can grip securely from an off-center position, allowing maximum control in areas with tight accessibility.

Achieve controlled, 360° precision material handling—whatever the conditions—with DECKHAND®.



DECKHAND®



DECKHAND® ensures that you will move pipe faster and more safely than ever before. No more straps. No more chains. No more dropped pipe.

PIPE HANDLING MADE EASIER AND SAFER THAN EVER BEFORE.

In the past, moving large amounts of pipe under tight time constraints meant personnel were required to quickly load and line up pipe, putting them in harm's way. DECKHAND® removes the ground crew from pipe transport, making pipe handling easier and safer than ever before.

- Easily adaptable to all brands and sizes of excavators
- Operator controls easily incorporated into excavator cab
- Load holding valves on all functions keep load secure even if a hydraulic hose fails
- Load sensors provide clear information on grip status as pipe is moved
- In-cab display panel allows operator to monitor and adjust all functions, pressures, and volumes
- Tilt and shift functions allow pipe to be handled in multiple working angles
- Specialized Pipe Arm wear pads protect pipe coating and are designed for long wear and simple replacement

Whether you're stringing, stockpiling, loading, staging or welding, DECKHAND® has you covered with today's safest, most effective pipe handling system.



DECKHAND®

Strong, safe, and versatile, the DECKHAND® revolutionizes the way contractors handle loads. Unmatched speed and precision outperforms all other material handling methods.

- Head unit mounts to any brand of excavator in the 20-36 metric ton class
- 360° Continuous Rotation
- Tilts up to 19°
- Shifts load side to side up to 5.5" in either direction
- Load locking valves holds load securely regardless of hydraulic pressure
- In-cab display allows operator to safely monitor and adjust all functions, working parameters, and hydraulic settings from inside the excavator
- Requires auxiliary hydraulic circuit on excavator
- Designed to meet ASME Below-The-Hook Lifting Standards



DECKHAND® S

Delivering unparalleled speed, precision, and performance, the DECKHAND® S is as safe as it is agile. Outperforms all existing material handling methods.

- Head unit mounts to any brand of excavator in the 18-20 metric ton class
- 360° Continuous Rotation
- Tilts up to 24.5°
- Shifts load side to side up to 5.5" in either direction
- Load locking valves holds load securely regardless of hydraulic pressure
- In-cab display allows operator to safely monitor and adjust all functions, working parameters, and hydraulic settings from inside the excavator
- Requires auxiliary hydraulic circuit on excavator
- Designed to meet ASME Below-The-Hook Lifting Standards



DECKHAND® DH5HP

The HP stands for high performance. Engineered and built to accomplish the toughest jobs including vertical applications, the DH5HP is revolutionizing the way contractors handle utility poles, pipe and casings.

- Head unit mounts to any brand of excavator in the 20-36 metric ton class
- 360° Continuous Rotation
- Tilts up to 25°
- Shifts load side to side up to 5.5" in either direction
- Load locking valves hold load securely, regardless of hydraulic pressure
- In-cab display allows operator to safely monitor and adjust all functions, working parameters, and hydraulic settings from inside the excavator.
- Requires auxiliary hydraulic circuit on excavator and dedicated case drain line
- Designed to meet ASME Below-The-Hook Lifting Standards



DECKHAND® Arm Types

Interchangeable Pipe Arm

- Designed with interchangeable pipe tips to easily handle 4"-18" diameter coated or uncoated pipe
- Handles pipe on and off trailers, rail cars, or pipe rack without disturbing adjacent pipe
- Sensors allow operator to monitor arm grip status while moving pipe
- Load locking valve system ensures pipe is never dropped
- Proximity sensors inform operator of correct positioning and clearance
- Pipe can be lifted from an off-center position
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Fast and efficient at stringing pipe during pipeline construction
- Can handle pipe covered with snow, ice or dirt

Interchangeable Arm



Directional Drilling Arm

- Handles 3.5"-9" inch diameter drill rod or uncoated pipe
- Handles pipe on and off trailers, pipe rack or drill rig without disturbing adjacent pipe
- Sensors allow operator to monitor arm grip status while moving pipe
- Load locking valve system ensures pipe is never dropped
- Pipe and drill rod can be lifted from an off-center position
- Arm design allows for pipe to be picked from center of pipe rack
- Can handle drill rod and pipe covered with snow, ice or dirt

Directional Drilling Arm



Utility Arm

- Designed to easily handle 7"-26" diameter pipe, poles or casings
- Handles pipe, poles, I-beams and casing in all weather conditions
- Sensors allow operator to monitor arm grip status while moving load
- Load locking valve system ensures load is never dropped
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Load can be lifted from an off-center position
- Fast and efficient at vertical applications, such as utility pole installation
- Ideal for positioning during welding, lowering in, and pipe extraction
- Able to handle bent pipe, elbows, tees, and valves
- Can handle load covered with snow, ice or dirt

Utility Arm



Mat Arm

- Designed to precisely handle and position wood or composite mats up to 40' long and 12" thick
- Utilizes interchangeable tines to handle 3', 4', and 5' mats
- Sensors allow operator to monitor arm grip status while moving mat
- Load locking valve system ensures mat is never dropped
- Mats can be lifted from an off-center position
- Mats can be placed with precision under total operator control
- Positive grip allows dirt and debris to be shaken off mats during removal

Mat Arm



DECKHAND® Arm Types

Pipe Arm

- Individual sizes designed to handle 4"-24" diameter coated or uncoated pipe
- Handles pipe on and off trailers, rail cars, or pipe rack without disturbing adjacent pipe
- Sensors allow operator to monitor arm grip status while moving pipe
- Load locking valve system ensures pipe is never dropped
- Proximity sensors inform operator of correct positioning and clearance
- Pipe can be lifted from an off-center position
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Fast and efficient at stringing pipe during pipeline construction
- Can handle pipe covered with snow, ice or dirt

Pipe Arm



Interchangeable
Material Handling
Arm



Interchangeable Material Handling Arm

- Utilizes interchangeable material handling tips designed for custom applications
- Sensors allow operator to monitor arm grip status while moving load
- Load locking valve system ensures load is never dropped
- Load be lifted from an off-center position
- Arm tips can be equipped with wear pads to protect pipe or load from damage
- Allows fast, efficient material handling



DECKHAND® L

Extremely versatile, the DECKHAND® L outperforms all other pipe handling methods.

- Head unit mounts to any brand of excavator in the 40-49 metric ton class
- 360° Continuous Rotation
- Tilts up to 15°
- Shifts pipe side to side up to 8.5" in either direction
- Load locking valves holds pipe securely, regardless of hydraulic pressure
- In-cab display allows operator to safely monitor and adjust all functions, working parameters, and hydraulic settings from inside the excavator
- Requires auxiliary hydraulic circuit on excavator and dedicated case drain line
- Designed to meet ASME Below-The-Hook Lifting Standards
- Optional stick-mounted camera allows operator to see in even the most difficult spaces



DECKHAND® L Arm Options

Pipe Arm

- Individual sizes designed to handle 20"-56" diameter coated or uncoated pipe
- Handles pipe on and off trailers, rail cars, or pipe rack without disturbing adjacent pipe
- Sensors allow operator to monitor Arm grip status while moving pipe
- Load locking valve system ensures pipe is never dropped
- Proximity sensors inform operator of correct positioning and clearance
- Pipe can be lifted from an off-center position
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Fast and efficient at stringing pipe during pipeline construction
- Can handle pipe covered with snow, ice or dirt

Pipe Arm



Utility Arm

- Designed to easily handle 16"-42" diameter pipe, poles or casings
- Handles pipe, poles and casing in all weather conditions
- Sensors allow operator to monitor arm grip status while moving load
- Load locking valve system ensures load is never dropped
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Load can be lifted from an off-center position
- Fast and efficient at vertical applications, such as utility pole installation
- Ideal for positioning during welding, lowering in, and pipe extraction
- Able to handle bent pipe, elbows, tees, and valves
- Can handle load covered with snow, ice or dirt

Utility Arm



Mat Arm

- Designed to precisely handle and position wood or composite mats up to 40' long and 12" thick
- Utilizes interchangeable tines to handle 3', 4', and 5' mats
- Sensors allow operator to monitor arm grip status while moving mat
- Load locking valve system ensures mat is never dropped
- Mats can be lifted from an off-center position
- Mats can be placed with precision under total operator control
- Positive grip allows dirt and debris to be shaken off mats during removal

Mat Arm



DECKHAND® XL

The DECKHAND® XL handles the largest and heaviest pipe gently and safely, while outperforming all existing pipe handling methods.

- Head unit mounts to any brand of excavator in the 60-75 metric ton class
- Designed to meet ASME Below-The-Hook Lifting Standards
- Load locking valves hold pipe securely, regardless of hydraulic pressure
- 360° Continuous Rotation
- Tilts up to 15°
- Shifts pipe side to side up to 8.5" in either direction
- Requires auxiliary hydraulic circuit on excavator
- In-cab display allows operator to safely monitor and adjust all functions, working parameters, and hydraulic settings from inside the excavator
- Optional stick-mounted camera allows operator to see in even the most difficult spaces



DECKHAND® XL Arm Options

Pipe Arm

- Individual sizes designed to handle 28"-56" diameter coated or uncoated pipe
- Handles pipe on and off trailers, rail cars, or pipe rack without disturbing adjacent pipe
- Sensors allow operator to monitor Arm grip status while moving pipe
- Load locking valve system ensures pipe is never dropped
- Proximity sensors inform operator of correct positioning and clearance
- Pipe can be lifted from an off-center position
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Fast and efficient at stringing pipe during pipeline construction
- Can handle pipe covered with snow, ice or dirt

Pipe Arm



Utility Arm

- Designed to easily handle 16"-42" diameter pipe, poles or casings
- Handles pipe, poles and casing in all weather conditions
- Sensors allow operator to monitor arm grip status while moving load
- Load locking valve system ensures load is never dropped
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Load can be lifted from an off-center position
- Fast and efficient at vertical applications, such as utility pole installation
- Ideal for positioning during welding, lowering in, and pipe extraction
- Able to handle bent pipe, elbows, tees, and valves
- Can handle load covered with snow, ice or dirt

Utility Arm



Weld Positioning Arm

- Designed to work with 20"-42" diameter pipe during pipeline tie-in operations
- Can adjust pipe ends for perfect alignment prior to welding
- Equipped with wireless and wired remote pendant for fine positioning
- Can also be used as a pipe handler
- Sensors allow operator to monitor arm grip status while moving load
- Load locking valve system ensures load is never dropped
- Proximity sensors inform operator of correct positioning and clearance
- Arms utilize long lasting wear pads to protect coated pipe from damage
- Can handle pipe covered with snow, ice or dirt

CRC-Evans
Weld Positioning
Arm



DECKHAND® Competitive Advantages

The DECKHAND® by LaValley Industries offers a long list of advantages versus traditional pipe handling methods in terms of safety, operational efficiency, and total project costs:

	STRAPS & CHAINS	VACUUM LIFTS	DECKHAND®
MAN POWER	2-4 PEOPLE	1-3 PEOPLE	1 PERSON
Both straps/chains and vacuum lifts require extra manpower for positioning pipe.			
OVERALL SAFETY	POOR	FAIR	EXCELLENT
DECKHAND® eliminates workers in the vicinity of lifted pipe. No matter what the weather conditions, DECKHAND® offers positive grip and total control of pipe, unlike vacuum lifts.			
LOAD HOLDING	POSITIVE	CAN DROP LOAD	POSITIVE
Load hold valves on DECKHAND® arms ensure that pipe never drops, regardless of hydraulic pressure.			
LOAD CONTROL	POOR	POOR	EXCELLENT
DECKHAND® offers control of pipe in all directions. Vacuum lifts are free-swinging in one direction and cannot tilt pipe.			
LOAD PLACEMENT	GROUND PERSONNEL REQUIRED	FAIR	EXCELLENT
DECKHAND® offers powered control of pipe in all directions, which allows for fast, accurate pipe placement without any ground assistance.			
PRODUCTIVITY	LOW	MODERATE	HIGH
Straps/chains and vacuum lifts require multiple workers, while the DECKHAND® requires just one operator. Vacuum lifts are slower than DECKHAND® at moving and positioning pipe.			
OFF-CENTER LIFTS	NO	NO	YES
DECKHAND® can lift pipe off-center per operating limits.			
TOTAL OWNERSHIP COST	MEDIUM	HIGH	LOW
DECKHAND®s robust design ensures a long lifespan and nominal maintenance costs.			
LABOR COST	2-4 PEOPLE	1-3 PEOPLE	1 PERSON
DECKHAND® also increases pipe handling production vs. other methods.			
PIPE & EQUIPMENT DAMAGE	HIGH	MEDIUM	LOW
Vacuum lifts can drop pipe unintentionally or swing pipe into objects, causing pipe and/or equipment.			
MAINTENANCE COSTS	LOW	HIGH	LOW
DECKHAND® requires weekly greasing and occasional wear pad replacement. Vacuum lifts require suction pads to be replaced when torn or every 200 hours, and filters to be replaced daily in certain weather conditions (diesel engine also requires daily fueling and maintenance).			
INSURANCE COSTS	HIGH	MEDIUM	LOW
With DECKHAND®, fewer ground workers equals lower insurance costs.			

www.lavalleyindustries.com



SAFER. FASTER. SIMPLER.

Designed to make pipe handling easier than ever before, the DECKHAND® safely outperforms all existing pipe handling methods, while cutting back on man hours and reducing long-term pipeline construction costs. Whether stringing pipe on a job site or right-of-way; stockpiling pipe; or taking pipe on and off trailers, rail cars, or pipe racks, DECKHAND® is your ideal solution.

Visit lavalleyindustries.com for more information.



TONGHAND®

EXIT-SIDE SOLUTION FOR THE HORIZONTAL DRILLING INDUSTRY



Engineered to be the HDD industry's ultimate exit-side tool, TONGHAND® by LaValley Industries allows drill rod to be torqued and un-torqued with precision by a single operator from the comfort and safety of the excavator cab. TONGHAND® eliminates the use of back-breaking wrenches and removes personnel from working in danger zones. TONGHAND® mounts to any brand of excavator—the excavator's auxiliary hydraulics then safely and efficiently power the TONGHAND® system. The TONGHAND®'s telescoping roller arms are used to pick up drill rod and securely lift, tilt, shift, rotate and precisely position a single rod or drill string under the total control of the operator. The patented TongVise™ easily makes and breaks joints up to 120,000 foot pounds of torque with guaranteed precision. Whether working with drill rod, subs, reamers or other tooling, the TONGHAND® saves you time and money, while improving jobsite safety.

TONGHAND® IS TRANSFORMING THE WAY CONTRACTORS PERFORM EXIT-SIDE OPERATIONS – TORQUE UP AND JOIN THE REVOLUTION!

MAKING AND BREAKING JUST GOT A WHOLE LOT EASIER.

In the past, exit-side operations required workers to use back-breaking wrenches to make and break connections often working in danger zones under tight time constraints. TONGHAND® automates exit-side procedures, removes ground crew from danger zones and makes/breaks connections with precision, making exit-side operations easier and safer than ever before.

- Mounts to any brand of excavator in the 30-36 metric ton class.
- Operator controls easily incorporated into excavator cab
- Patented TongVise™ easily makes and breaks joints up to 120,000 foot pounds of torque
- Works with reamers, adapter sub connections and all drill pipe connections ranging from 6.5" to 10" OD
- Patented roller arms and shift function allow you to thread and unthread all connections with ease
- Gull wing design allows you to easily move arms out of way to make and break reamers up to 60"
- Can rotate pipe strings up to 10 joints long
- 360° Continuous Rotation
- Tilts up to 25°
- Shifts load side to side up to 6.5" in either direction
- Load locking valves hold load securely, regardless of hydraulic pressure
- Versatile design allows TONGHAND® to work as a pipe handler for precise placement of drill rod on rigs, racks, or trucks
- Requires auxiliary hydraulic circuit on excavator

CUSTOM SOLUTIONS

Our team of experienced industry experts and innovative engineers can help you customize a solution for your specific need. From specialized material handling to unique pipeline tools and customization of existing equipment, our team can help you get a grip on whatever the challenge.

INNOVATIVE SOLUTIONS FOR UNIQUE APPLICATIONS.

The very team that has created all of LaValley Industries' products stands ready to assist you in creating a customized solution to meet your needs. From concept design to finished product, our award winning team can create a unique solution in a timely manner with unmatched innovation.

- Customized DECKHAND® - based material handling solutions
- Customization of existing equipment, such as excavator modifications
- Specialized equipment design and manufacturing
- Mechanical engineering and design
- Hydraulic system engineering and design
- Electrical systems and design
- Rapid prototyping services



**WHAT CAN WE
HELP YOU
GET A GRIP ON?**





"I am often asked, 'How did you come up with the idea for the DECKHAND®?' It is a story that I love to share, as it speaks not just to the invention of the DECKHAND®, but to the overall spirit of our company. My goal in developing the TONGHAND® was exactly the same as the original DECKHAND®- finding a better & safer way to get the job done."

- Jason LaValley, Founder & President,
LaValley Industries



LaValley Industries

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