



TONGHAND® COMPETITIVE ADVANTAGES

The **TONGHAND®** by LaValley Industries offers a long list of advantages versus traditional horizontal drilling methods in terms of safety, operational efficiency, and total project costs:

	CHAIN TONGS	TWO DRILL RIGS	TONGHAND®
OPERATION	3-4 PEOPLE	2-3 PEOPLE	1 PERSON
Tong wrenches are imprecise and have high potential for injury or rod damage. Having an additional drill rig on-site adds personnel and equipment costs to the project. TONGHAND® has one operator.			
PRODUCTIVITY	POOR	POOR	EXCELLENT
The TONGHAND® allows you to build more drill strings in less time with fewer people, creating productivity gains of 20% and greater over other horizontal drilling methods.			
OVERALL SAFETY	POOR	POOR	EXCELLENT
TONGHAND® eliminates workers and extra equipment in the vicinity of work areas. With hands-free control of rod, reamers and subs, TONGHAND® reduces risk to drill crews during drilling operations.			
LABOR COST	3-4 PEOPLE	2-3 PEOPLE	1 PERSON
TONGHAND® takes fewer personnel to get the job done, allowing reallocation to other project budgets.			
LOAD PLACEMENT	CONDITIONAL	POOR	EXCELLENT
TONGHAND® offers precise control of drill rod, reamers, subs, and other tooling in all directions.			
TOOL ACCURACY	POOR	FAIR	EXCELLENT
TONGHAND® offers 360° of rotational control as a rod handler and torques with precision to desired specifications. Chain tongs and drill rigs are difficult to set to specific torque requirements.			
MULTIFUNCTIONAL	NO	NO	YES
Using TONGHAND® as a rod handler allows for fast, accurate load placement without any ground assistance. TONGHAND® roller arms allow threading and unthreading of all connections from the cab.			
TOTAL OWNERSHIP COST & ROI	MEDIUM	HIGH	LOW
When factoring in productivity gains, increasing safety for personnel, project costs of equipment and labor, the TONGHAND® has a proven low cost of ownership and high ROI after workflow integration.			
ROD DAMAGE RISK	HIGH	CONDITIONAL	VERY LOW
Tong wrenches can slip or break due to high torque stress, causing damage to rod or nearby equipment. TONGHAND® reduces damage risk with its total control and user-friendly design for consistent results.			



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LaValley Industries®

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