

# The Uni-Hydro Advantage



1. Manual Punch Aligner is another safety first from Uni-Hydro.
2. Multiple load bearing pins add up to 70% more load bearing pin surface sharing the same tonnage of our competitors. This creates a more effective working cycle and stability of the entire machining process.
3. Safety is our highest concern which provides you an assurance for all work performed.
4. All controls are simple, easy to understand and provided in convenient locations.
5. Work areas grouped in front of machine giving you the opportunity to place our machines against an outer wall for open floor space.
6. Uni-Hydro's patented linkage system provides the best shear in the industry. Three shearing actions are performed at the same time to ensure each cut is as near perfection as is possible.
7. Energy Efficient –Our linkage system with a simplified power structure provides the right power at the right time – every time.
8. Petal is always open when ironworker is running until pressed by an operator.  
– Safety –
9. Forklift accommodations – Never before available until Jim Dvorak put the first set on our Uni-Hydro ironworkers.

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At Uni-Hydro we put everything in writing; we want you to know exactly what you as a client are getting with each ironworker Uni-Hydro manufactures. Even if tooling is optional or chosen by a client, we want you to know the tool's rated capacity so that you can make an informed decision.

Compare side-by-side every part of each machine to the Uni-Hydro ironworker. Remember to include the psi tensile strength of steel a Uni-Hydro ironworker cuts. From load bearing pins that take the weight of every punch having more area to prevent breakdowns to the dimensions of our machine's designed for ease-of-use; notice how a Uni-Hydro ironworker has a distinct advantage over our competition.

A Uni-Hydro ironworker has:

- Simplified hydraulics
- Highest safety standards
- Safety manual punch aligner
- Better designed for durability
- Always had forklift accommodations
- Patented linkage system minimizes distortion on cuts and punches
- Sits flush against a wall freeing up floor space
- All tooling manufactured in-house for warranty assurance

Yellow ironworkers are rated on Mild Steel of 60,000 PSI. Grey does not state tensile strength in their literature. A 60,000 PSI rated ironworker will be warranted for 3 strengths of 58, 59 and 60,000 of **A36** steel.

All Uni-Hydro ironworkers are warranted for 8 strengths from 58 to 65,000 PSI tensile of **A36** steel.

**Made in the USA**

MANUFACTURER	UNI HYDRO 56-14	BLUE S50CM	GREY E55	YELLOW P-50
Rated Capacity	56 ton	50 ton	55 ton	50 ton
Throat Depth	6"	6"	7"	6"
Open Height	6 ¼"	-----	8"	13 ½'
Closed Height	4 ¾"	-----	6 ¾"	9 ¼"
Punch - Max Material - Max Hole	1 ¼" in ½" 3/16" in ¾"	1 ¼" in ½" 13/16" in ¾"	1 1/16" in 5/8"	13/16" in ¾" 5" in 1/8"
Plate Shear - Max Materials	¾" in 6" 5/8" in 8" ½" in 10" 3/8" in 14"	¾" in 4" ½" in 8" 3/8" in 10" ¼" in 14"	½" in 12" 3/8" in 14"	1" X 4" ¾" X 10" ½" X 15"
Angle Shear 90° - Bar Shear - Slug Type	3" X 3" X 3/8" 4" X 4" X 3/8"	4" X 4" X 3/8"	4" X 4" X ¼" 3" X 3" X 3/8"	5" X 5" X ¼" w/ special blades
Miter Angle 45° - Slug Type - Sever Cut	3" X 3" X 3/8" 2" X 2" X 5/16"	2" X 2" X 3/8"	N/A	-----
Channel Shear	2" & 3" combined or 4" standard	N/A	N/A	-----
Rod Shear - Round (max) - Square (max)	1 1/16" 1 1/16"	¾" ¾"	-----	¼' to 1 ½' ½' to 1'
Coper Notcher 90°	3" X 3" X ¼"	N/A	-----	2 ¾" X 4" X ¾"
Square Notcher	1 ¾" X 2" X ¼" 2" X 3" X 3/8"	N/A	-----	-----
Pipe Notcher Sched 40 or 80	½", ¾", 1", 1 ¼", 1 ½", 2"	¾", 1", 1 ¼", 1 ½", 2"	-----	Optional
Brake	6" or 9" X ¼"	8", 12"	-----	Optional
Strokes per minute - light material - at max capacity	50 7	40 17	-----	50
Hydraulics	1,200 psi	2,100	2,600 psi	2,650 psi
Oil Capacity	20 qt		7 gallons	20 gallons
Motor - Standard - Optional	5HP, 3 phase 5 HP, 1 phase	3 HP, 3 phase 5 HP, 1 phase	5 HP, 3 phase 5 HP, 1 phase	10 HP, 3 phase
Dimensions - Width - Length - Height - Bar shear work ht. - Punch table top ht. - Cavity table top ht. - Notcher station ht.	27 ¼" 33" 57" 29" 38 ¼" 37 ¼" 26"	29" 47" 59" ----- ----- ----- -----	36" 42 ½" 59" 34 ¾" 37 ½" 35 ¼" 40"	24" 55" 60" ----- 42" ----- -----
Weight (net)	<b>1,330</b>	<b>1,275</b>	<b>2,350</b>	<b>2,650</b>