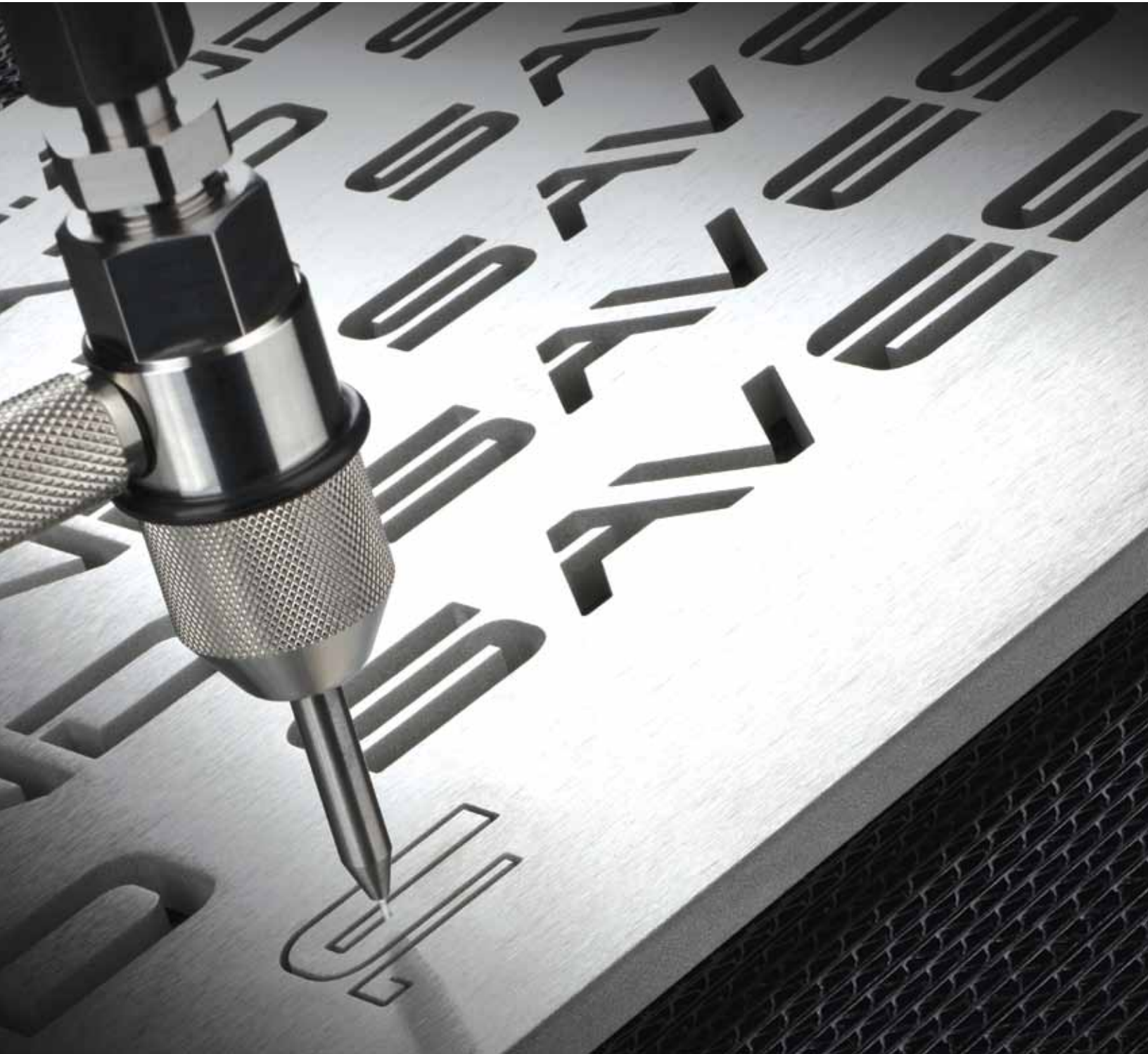


Hypertherm®

HyPrecision™ Waterjet

The world's most profitable waterjets



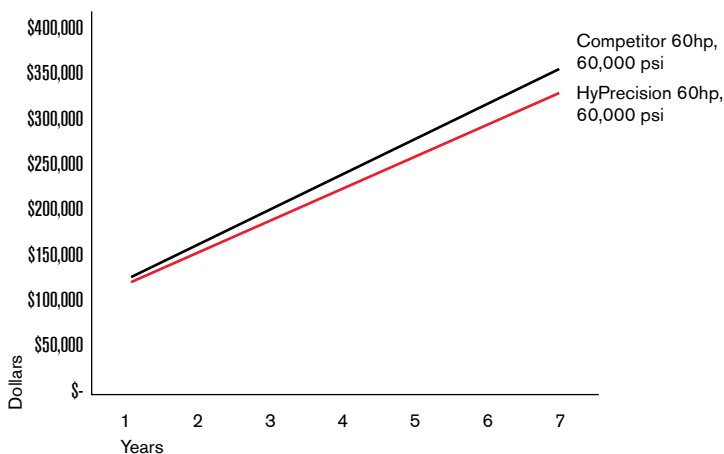


Make more money every inch of the way

60k versus 60k – decrease your total cost of ownership by approximately 20%

How profitable are your waterjets? Don't know? Well, unless you're already making more money than you care to, it's time to find out. When you factor in the cost to purchase, own and operate, you'll find that Hypertherm HyPrecision™ waterjets are the most profitable in the world – and we have the math to back it up. After the numbers are tabulated, you'll find that you can increase your profitability by approximately 20%. That's 20% more in your pocket and 20% less going out the door each month.

Cumulative cost of ownership 60,000 psi vs. 60,000 psi (includes abrasive cost)
Hypertherm versus leading competitor



You can't have profitability without reliability

You can't use the same technology as competing waterjets and claim to be superior. That's why Hypertherm HyPrecision waterjets were engineered using Advanced Intensifier Technology (AIT). By rethinking the way the intensifier pump works, we were able to make the intensifier pump work harder, last longer and require less service time. AIT, it's what makes Hypertherm HyPrecision waterjets more profitable than any other waterjet in the world.

Easier servicing

Hydraulic rod seals and plunger bearings are readily accessed from the outside of the hydraulic end cap

Longer lasting

Hydraulic center section features an advanced piston design, which minimizes seal wear and improves component life

Streamlined access

Check valve utilizes a screwless, low-pressure poppet design that enables quick evaluation of key contact surfaces. This feature also allows for noticeably faster component replacement.

Optimized shifting

Advanced electronics provide smooth, reliable shifting for optimum cut quality. Shift times are even monitored to ensure optimal pump performance.

Simpler high-pressure ends

Durable threaded-rod design simplifies high-pressure end removal for quick seal maintenance. Meanwhile, the nonthreaded cylinder design increases reliability.

Prolonged seal life

Large diameter ceramic plunger produces more water per stroke with reduced friction, yielding maximum seal life.



Why you may need less pressure to make more money

60k versus 90k

You can't argue facts, and the facts prove that 60k waterjets can cut faster than 90k waterjets. This isn't to say there's no need for 90k, not at all. There are unique applications that require 90k. But which ones? More importantly, which waterjet is best for your projects? The only way to know is to talk to Hypertherm experts. We'll work with you to evaluate the materials you are cutting and determine which waterjet option works best.

Why not just buy the waterjet with the highest pressure? The answer is profitability. The cost of owning a 90k waterjet is significantly more expensive than owning a 60k waterjet. Further, depending on the material you are cutting, a 90k waterjet can cost substantially more per inch and per cut than a 60k waterjet.

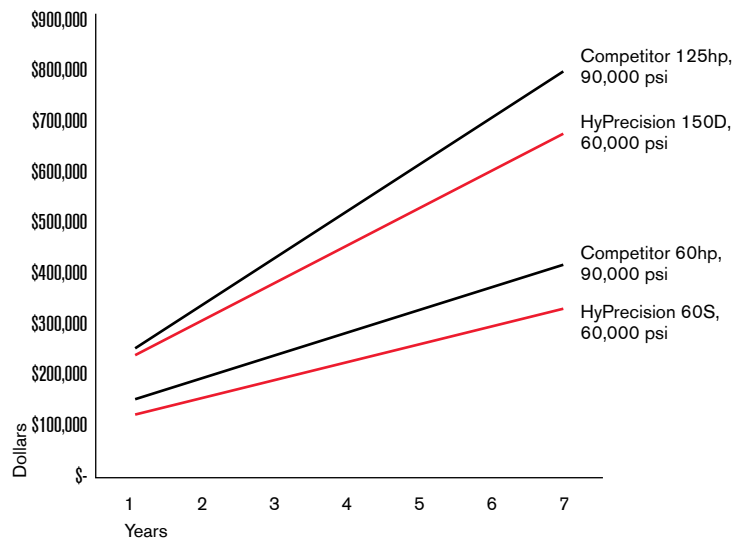
Don't end up with too little or too much when it comes to your waterjet. Get the right waterjet for your application by talking to the right people: your Hypertherm experts.

Comparison of 90k versus 60k

Models	Leading competitor 60HP, 90k	Hypertherm HyPrecision 60HP, 60k
Material	Aluminum	Aluminum
Thickness	2.00 inches	2.00 inches
Feedrate	2.6 inches per minute	2.6 inches per minute
Total inches in part	13.7 inches	13.7 inches
Cost per minute	\$4.65	\$4.19
Cost per inch	\$1.79	\$1.61
Cost of cut	\$24.51	\$22.10

Cumulative cost of ownership 60,000 psi vs. 90,000 psi (includes abrasive cost)

Hypertherm versus leading competitor



System specifications comparison

Identifying the right pump for your application



		HyPrecision™ 15		HyPrecision™ 30		HyPrecision™ 50	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
GENERAL	Max. Output Flow, gpm (lpm)	0.24 (0.9)		0.60 (2.3)		1.0 (3.8)	
	Max. Orifice, in. (mm)	0.007 (0.18)		0.011 (0.28)		0.014 (0.35)	
	Continuous Output Pressure	Adjustable to 60,000 psi (4137 bar)					
	Intensifier Configuration	Single					
	Pressure Control	Dual Manual					
	Bleed-down Valve	Air					

		15 (11.2)		30 (22)		50 (37)	
		400	208-230/460/575	400	208-230/460/575	400	208-230/460/575
PUMP POWER	Motor Power, hp (kW)	15 (11.2)		30 (22)		50 (37)	
	Voltage, V	400	208-230/460/575	400	208-230/460/575	400	208-230/460/575
	Full Load, A	24	43-39/19/16	44	83-75/38/30	73	137-124/63/50
	Main Breaker, A	25	50/25/20	50	100/50/40	80	175/80/60
	Soft Start	Wye-Delta					

PHYSICAL	Overall Width, in (mm)	34 (864)	
	Overall Length, in (mm)	70 (1778)	
	Overall Height, in (mm)	46 (1168)	
	Approx. Operating Weight, lb (kg)	2900 (1315)	

OPTIONS	Integrated air-over-oil Cooling
	Chiller for Oil Cooling
	Dual Manual Pressure Control
	-
	-

More control for greater performance

When creating a superior waterjet system, Hypertherm didn't limit its thinking to the intensifier pump. We wanted to create a streamlined experience that include the operator interface. The outcome is a powerful software package that provides operators with greater control.



ADVANCED INTENSIFIER MONITORING

Provides early detection of leakage inside the intensifier pump



HyPrecision™ 50S		HyPrecision™ 60S		HyPrecision™ 75S		HyPrecision™ 100D		HyPrecision™ 150D	
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
1.0 (3.8)	1.1 (4.16)	1.2 (4.6)	1.3 (4.9)	1.5 (5.68)	1.6 (6.06)	2.1 (7.95)	2.2 (8.33)	3.0 (11.4)	3.2 (12.1)
0.014 (0.35)	0.015 (0.38)	0.016 (0.46)		0.017 (0.43)	0.018 (0.46)	0.020 (0.51)	0.021 (0.53)	0.024 (0.61)	0.025 (0.64)
Adjustable to 60,000 psi (4137 bar)						Adjustable to 60,000 psi (4137 bar)			
Single						Dual			
Panel-mounted Dual Manual						Electronic Proportional			
Hydraulic						Hydraulic			

50 (37)		60 (44.5)		75 (56)		100 (74)		150 (110)	
400	208-230/460/575	400	460	400	460	400	460	400	460
73	138-125.3/62/51	75	71.1	103	87.1	138.8	117.5	204	173.4
80	150/80/80	100		125	100	150		225	
True Soft Start						True Soft Start			

40 (1016)		45 (1143)		55 (1397)			
76 (1930)		86 (2184)		81 (2057)			
56 (1422)		56 (1422)		56 (1422)			
3100 (1406)		3300 (1497)		4150 (1882)		6100 (2767)	

Air-over-oil Cooling		Air-over-oil Cooling	
Chiller for Oil Cooling		Chiller for Oil Cooling	
Redundancy		Water Isolation Valves	
Redundancy Ready		-	
Electronic Proportional Control		-	



ENHANCED MAINTENANCE INTERFACE

Offers access to Maintenance Log Pro, alarm log viewing and real-time I/O monitoring



MAINTENANCE LOG PRO

Maintenance logging, Ethernet and web-based interface delivers access to system and maintenance performance from any computer or mobile device



INTENSIFIER SETTINGS

Overstroke limits can be changed during pump operation



A partner that knows what you need

What you don't know about waterjets will cost you. That's why Hypertherm has built the most robust information tools in the cutting industry so you'll never have to take a costly leap of faith. From waterjet experts working the customer service lines to mobile apps and 24/7 online technical service guides, Hypertherm knows everything you need to know. And we offer it all up to our customers free of charge.

Information is only good when you have it. Be informed, be connected and stay ahead of profit-losing troubles and delays with knowledge from Hypertherm.

We ship faster so you're back to work sooner

It's good to know what went wrong, however, understanding the problem is worthless if you don't have the parts to make the repair. So Hypertherm is Johnny-on-the-spot with part orders. We promise same-day shipment on all in-stock orders placed before 4:30 pm CST.

- Live, voicemail-free customer service reps during business hours
- Hypertherm Waterjet Mobile Assistant mobile app for iOS and Android
- Online technical guides with step-by-step repair instructions
- On-site product training available on request

Hypertherm: company overview

Since 1968, Hypertherm has had a single goal: cut the cost of cutting. The company's one and only focus is cutting technology. Its single-minded mission is to provide customers throughout the world with the best cutting equipment and service in the industry. That's why Hypertherm holds more major plasma cutting patents and has more customers worldwide than any other brand. In head-to-head tests, Hypertherm systems consistently outperform the competition in the key areas of cut quality, productivity and operating cost. Hypertherm has evolved into a thriving global entity that serves a continually expanding customer base.

Hypertherm control solutions for cutting applications improve machine performance and support the mission and vision established so many years ago. This offers the opportunity to simplify your cutting operations to improve productivity and profitability.

Worldwide presence and strength

Hypertherm is a key partner for your fabrication needs and has built a global organization focused on providing cutting performance solutions.

Key elements of the Hypertherm formula include:

- Dedicated Associates concentrating on cutting technology
- Regional sales, customer service and technical service for local support
- Broad application experience and proven results
- Complete product line solutions for your cutting needs
- Commitment to the idea that product selection, design, support and services are driven by customer input



For location nearest you, visit
www.hypertherm.com

HyPrecision is a trademark of Hypertherm Inc. and may be registered in the United States and/or other countries.

One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers' success. We are always striving to become better environmental stewards; it is a process we care deeply about.



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Hypertherm[®]
Cut with confidence[®]

