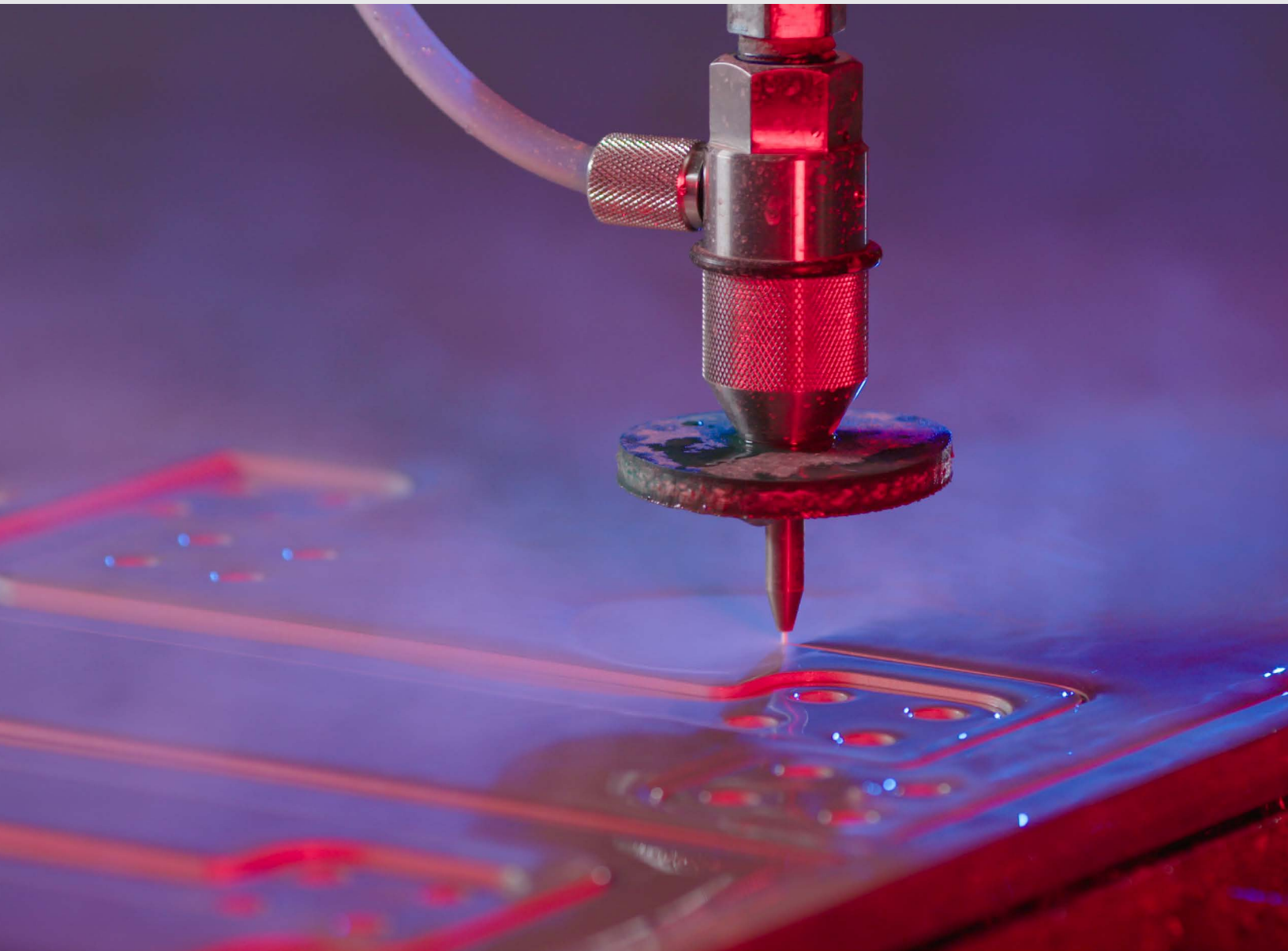


DynaMAX® 5-series dual intensifier waterjet pumps

Optimizing waterjet performance





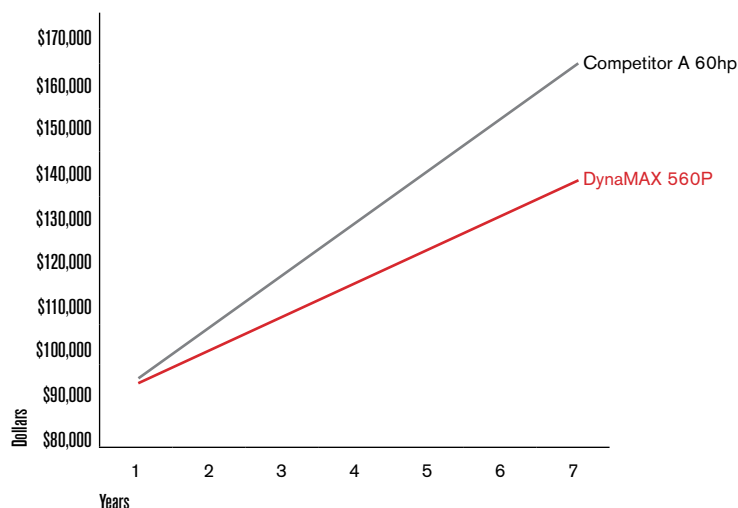
The lowest cost of ownership

60,000 psi vs. 60,000 psi – decrease your total cost of ownership by approximately 20%

When you factor in the cost to purchase, own, and operate, you'll find that DynaMAX® waterjets are extremely cost effective and outperform all other waterjet systems. Reducing your system cost by 20% means that you can reinvest in your business or put that money toward your bottom line.

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

Hypertherm Associates vs. Competitor A



Lower your cost with increased reliability

DynaMAX waterjets were engineered using Advanced Intensifier Technology™ (AIT). By rethinking the way the intensifier pump works, we were able to make it work harder, last longer, and require less service time. AIT, it's what makes DynaMAX waterjets more cost effective 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.



Measuring pumps in productivity, not psi

60,000 psi vs. 90,000 psi

The facts prove that 60,000 psi waterjets can cut faster than 90,000 psi waterjets. However, we understand that there are unique applications that require 90,000 psi. To learn which those are, talk to your Hypertherm Associates expert. We will work with you to evaluate the materials you are cutting and determine which waterjet option works best for your application.

Buying the waterjet with the highest pressure might not be the right solution. The cost of owning a 90,000 psi waterjet is significantly more expensive than owning a 60,000 psi waterjet. Further, depending on the material you are cutting, a 90,000 psi waterjet can cost substantially more per inch and per cut than a 60,000 psi waterjet.

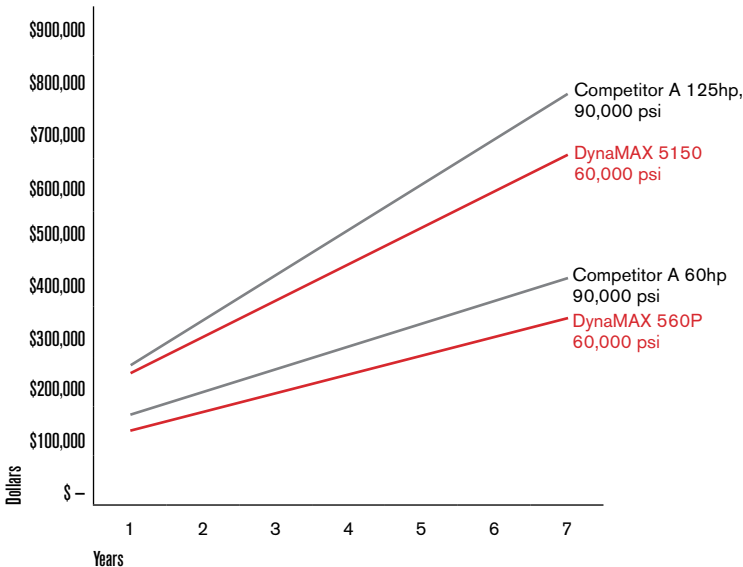
Do not end up with too little or too much when it comes to your waterjet. Get the right waterjet for your application by talking to your Hypertherm Associates experts.

Comparison of 90,000 psi vs. 60,000 psi

Models	Competitor A 60hp, 90,000 psi	DynaMAX® 60hp, 60,000 psi
Material	Aluminum	Aluminum
Thickness	2.00 in. (50.8 mm)	2.00 in. (50.8 mm)
Feedrate	2.6 ipm (66 mm/min)	2.6 ipm (66 mm/min)
Total cut length	13.7 in. (348 mm)	13.7 in. (348 mm)
Cost per minute	\$4.72	\$3.83
Cost per inch	\$1.81	\$1.47
Cost of cut	\$24.85	\$20.16

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

Hypertherm Associates vs. Competitor A



System specifications comparison

Identifying the right pump for your application



		DynaMAX® 5100		DynaMAX® 5150	
		50 Hz	60 Hz	50 Hz	60 Hz
GENERAL	Maximum output flow	2.1 gpm (7.95 lpm)	2.2 gpm (8.33 lpm)	3.0 gpm (11.36 lpm)	3.2 gpm (12.11 lpm)
	Maximum orifice	0.020" (0.508 mm)	0.021" (0.533 mm)	0.024" (0.610 mm)	0.025" (0.635 mm)
	Continuous output pressure	Adjustable to 60,000 psi (4137 bar)			
	Intensifier configuration	Dual			
	Pressure control	Electronic Proportional			
	Bleed-down valve	Hydraulic			
PUMP POWER	Motor power	100hp (74.6 kW)		150hp (111.9 kW)	
	Voltage	400 V	460 V	400 V	460 V
	Full load	138.8 A	117.5 A	204 A	173.4 A
	Main breaker	150 A		225 A	
	Soft start	True Soft Start			
PHYSICAL	Overall width	45" (1143 mm)		55" (1397 mm)	
	Overall length	86" (2184 mm)		81" (2057 mm)	
	Overall height	56" (1422 mm)		56" (1422 mm)	
	Approximate operating weight	4150 lb (1882 kg)		6100 lb (2767 kg)	
OPTIONS	External air-over-oil cooling	Optional		Optional	
	Chiller for oil cooling	Optional		Optional	
	Water isolation valves	Optional		Standard	

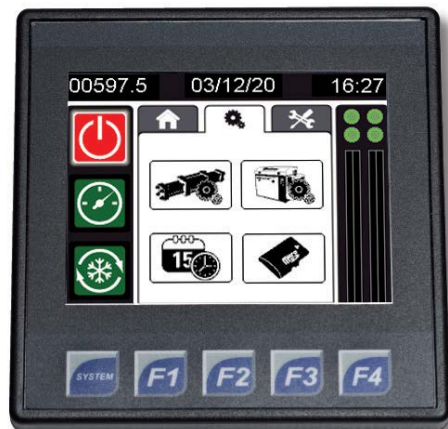
More information for maximum uptime

When creating the optimal waterjet system, Hypertherm Associates did not limit its thinking to the intensifier. We wanted to create a streamlined experience that combines an intuitive operator interface with advanced system monitoring. The outcome is a powerful software package that arms operators with system information that maximizes uptime.



Advanced intensifier monitoring

Provides early detection of leakage inside the intensifier pump



Enhanced maintenance interface

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



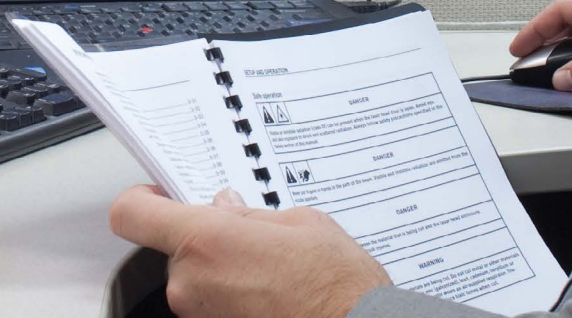
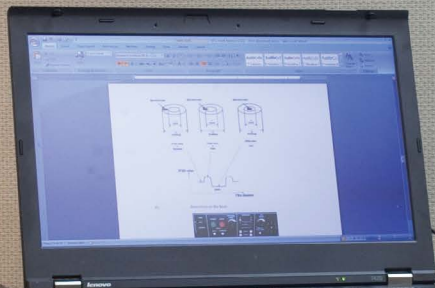
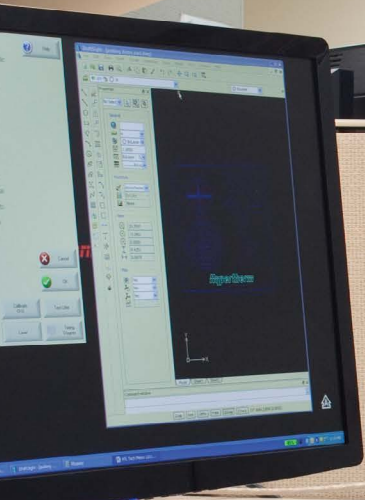
Maintenance Log Pro

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



Intensifier settings

Overstroke limits can be changed during pump operation



A knowledgeable partner who knows what you need

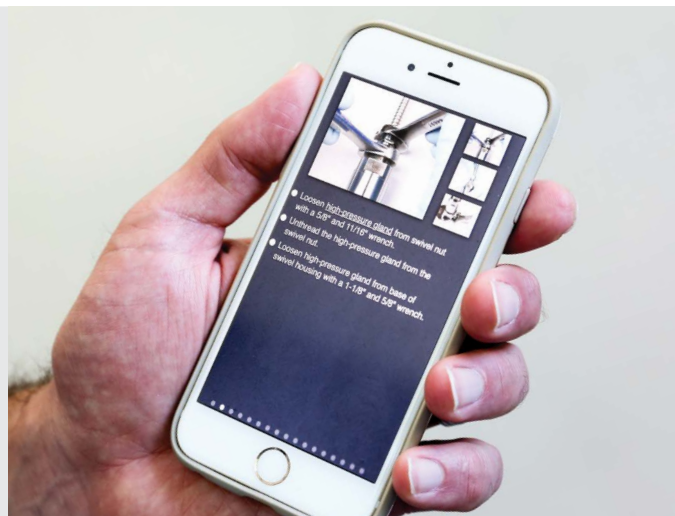
Hypertherm Associates built the most robust information tools in the cutting industry. From responsive waterjet experts working the customer service lines, to mobile applications and 24/7 online technical service guides, Hypertherm Associates provides what you need to know. And we offer it to our customers 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 insights from Hypertherm Associates.

- Voicemail-free, expert waterjet support during business hours
- Global distribution ensures fast response and speedy parts delivery
- Waterjet Mobile Assistant by Hypertherm Associates for iOS and Android
- Online technical guides with step-by-step repair instructions (<http://assist.hypertherm.com>)
- Available on-site product training

We ship faster, so you are back to work sooner

We strive to fill every order the day it is received. Our goal as owners is to ensure you get what you need when you need it. If we can not ship the same day, we will call you. From our job shop roots, we know how it feels to be down, so we will do everything we can to keep you cutting.



Waterjet Mobile Assistant gives you instant access to detailed, step-by-step maintenance and repair procedures, including part numbers.

Get the mobile app

Download the Waterjet Mobile Assistant by Hypertherm Associates from the App Store for iOS or from Google Play for Android using the links below.





Constancy
of purpose

Drive to
innovate

Passion for
customer
success

The Hypertherm Associates corporate story

Hypertherm. OMAX. Centricut. ProNest. AccuStream, Robotmaster. These names and more represent the world's leading industrial cutting technologies and solutions, and they can all be found in one company: Hypertherm Associates. With constancy of purpose, a drive to innovate, and a passion for customer success, Hypertherm Associates is leading the industrial cutting and shaping industry.

Shaping Possibility

Since the founding of Hypertherm Associates in 1968, we have always believed in the value of surpassing expectations. It's why we make continued investments in people. It's why we invest aggressively in ongoing product development. And now, it's why we'll be known as Hypertherm Associates: a 100% Associate-owned company composed of the world-class industrial cutting technologies and solutions you know and trust – plasma, waterjet, CAD-CAM, robotic software, and more – to help our customers succeed in ways that have never before been possible.

Hypertherm Associates builds on our legacy of challenging what's achievable with the products we create, the culture we foster, and the experience we deliver to our customers – and then goes further. Whether plasma, waterjet, or the consumables, software, and services that enable connected factories and optimized performance, the solutions that help our customers meet their business objectives can all be found in one place: Hypertherm Associates.

Committing to Success

Behind the name Hypertherm Associates lies a fundamental commitment to the success of people: our customers, partners, our Associates, and communities. Our dedication to 100% Associate ownership is a direct result of that commitment. By maintaining complete independence from external shareholders or other corporate entities, we can focus on our customers and partners to deliver exactly what they need. And because our Associates work together moving toward a common goal, they are an energized workforce dedicated to delivering a consistently superior customer experience.

Leading the Industry

From aerospace to agriculture and energy to infrastructure, the people, brands, and technologies of Hypertherm Associates can already be found everywhere advanced manufacturing is happening around the globe. In fact, hundreds of thousands of businesses are relying on Hypertherm Associates technologies and solutions right now for performance and reliability that help increase their productivity and profitability. And that's why companies worldwide turn to Hypertherm Associates to build ships, airplanes, and railcars, to construct steel buildings and bridges, to fabricate heavy equipment and wind turbines, and a whole lot more.

Through our portfolio of technologies and solutions, Hypertherm Associates employs more than 1,900 people and maintains operations and partner representation globally. With Hypertherm Associates, we've created a framework for growth and expansion that will allow us to bring the latest innovations to our customers more quickly, and with a deeper level of integration and customer support.

Hypertherm Associates is the evolution of a vision that continues to put our customers first, to solve their challenges, and to make it even easier to do business with us. Our global team is committed to continuously finding ways to make our company, our customers, and our communities more successful, and we're excited to have you with us as we continue our journey of shaping possibility.

PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

For more information, visit: www.hyperthermassociates.com

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**HYPERTHERM
ASSOCIATES™**

As 100% Associate owners, we are all focused on delivering a superior customer experience. www.hyperthermassociates.com/ownership

Environmental stewardship is one of Hypertherm Associates' core values. www.hyperthermassociates.com/environment

100% Associate-owned

