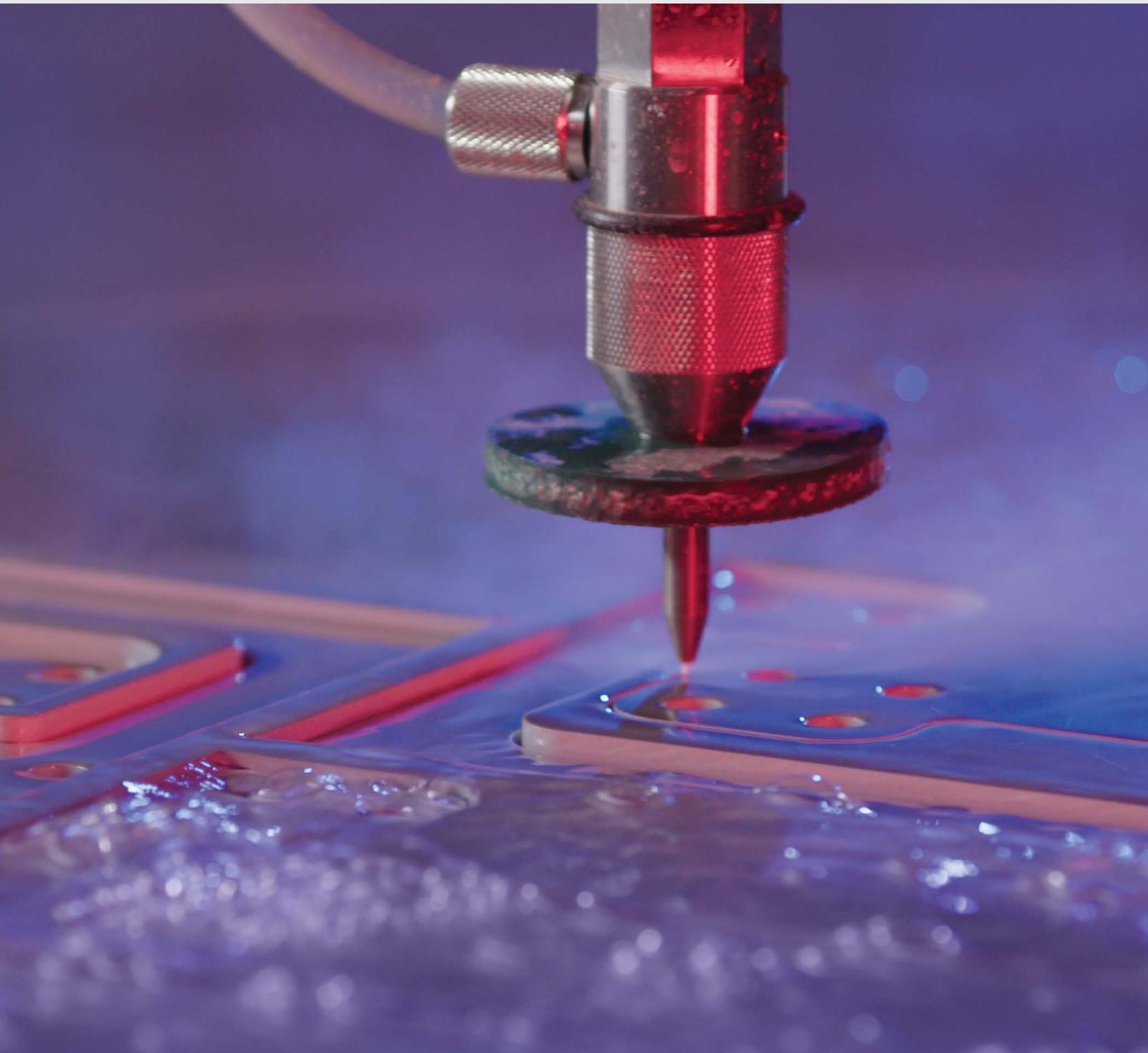




HYPERTHERM
ASSOCIATES™

DynaMAX® 5-series predictive waterjet pumps

Improving productivity through prediction



DynaMAX575P



Seal Maintenance Indicator™

DynaMAX 5-series predictive pumps

Designed and built to keep you up and running

DynaMAX® 5-series pumps are the first waterjet pumps to incorporate predictive maintenance capabilities that substantially reduce maintenance costs and disruption caused by non-planned service. Equipped with standard features such as our proven Advanced Intensifier Technology™ (AIT) and a closed loop proportional pressure control, DynaMAX pumps offer you even more consistent cut quality while ensuring trouble-free operation and reliability.

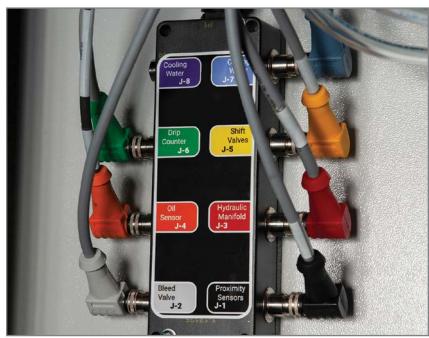
Increased productivity and reduced maintenance costs

Patented Seal Maintenance Technology™ extends seal life by up to 40%. The system monitors weepage and lets you know when it's time to change intensifier seals – no more costly changing too soon or too late! This increases productivity, minimizes scrap, and saves time, aggravation, and money.



Improved reliability and ease of service

With 10% fewer parts than earlier generations, DynaMAX predictive pumps include user-friendly features such as a color-coded junction box, electrical cable harnesses, quick-connect fittings, and an easy access bleed-down valve to make maintenance faster, easier, and less expensive.



Increased performance

Standard on all DynaMAX predictive pumps, closed loop proportional pressure control adjusts for ambient pressure and temperature, oil viscosity and hydraulic system wear parts, to deliver consistent quality at optimum cutting speeds.



Improved safety

The clear window cover lets the operator see the intensifier and attenuator. Optional interlocks help prevent unauthorized access, and can be programmed to automatically stop the pump when opened. In addition, the seal maintenance technology's drip tray helps keep the top deck – and the shop floor – clear of oil and water.



Seal Maintenance Technology™ boosts productivity and improves shop safety

Say goodbye to messy puddles in the workspace and unplanned downtime due to seal failure. Hypertherm Associates' exclusive, patented Seal Maintenance Technology eliminates the guess work with today's intensifier seal repair.

Drip tray

Captures oil and water when intensifier starts to weep as part of normal operation

Stack light

Turns from green to yellow when it's time to schedule service, then to red when seal maintenance is required



Seal maintenance indicator

Continuously monitors intensifier weepage – blue lights blink when fluid passes by

Fluid capturing vessel

Captures intensifier weepage to help keep your floor clean



Choosing the DynaMAX® 5-series predictive pump for your application

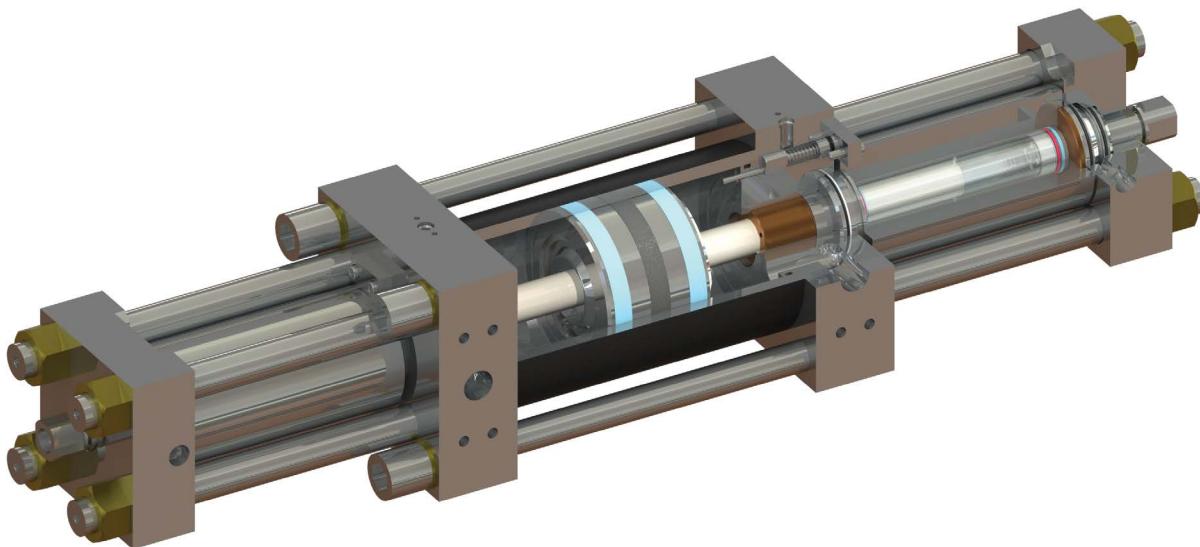
System specifications



Pump model number		DynaMAX 550P			DynaMAX 560P		DynaMAX 575P					
	Hz	50	60		50	60	50	60				
GENERAL	Maximum output: gpm (lpm)	1.0 (3.79)			1.2 (4.54)		1.5 (5.68)					
	Maximum orifice: inch (mm)	0.014 (0.35)			0.016 (0.40)		0.017 (0.43)					
	Output pressure	Adjustable to 60,000 psi (4100 bar)										
	Pressure control	Closed loop proportional pressure control – standard equipment										
	Bleed down valve	Air-actuated										
PUMP POWER	Motor power: HP (kW)	50 (37)			60 (44.7)		75 (56)					
	Voltage	400	208–230	460	400	460	400	460				
	Full load amps	73.8	138.2–125.8	62.9	90.7	74.4	110.3	89.6				
	Main breaker (amps)	80	150	80	100	100	125	100				
	Motor starter (options if more than 1 listed)	Soft Start										
SPECIAL FEATURES	Seal Maintenance Technology	Included as standard equipment										
	Closed loop proportional pressure control	Included as standard equipment										
PHYSICAL	Width	40" (1016 mm)										
	Length	79" (1996 mm)										
	Height	59" (1509 mm)										
	Operating weight lbs. (kg)	2800 (1300)			3200 (1450)		3300 (1500)					
ACCESSORIES	Cover	Cover with observation windows										
	Boost pump	Included										
	External air over oil cooling	Optional										
	Electrical Interlock	Optional										
	Chiller for oil cooling	Optional										

The heart of every DynaMAX® predictive pump: Advanced Intensifier Technology providing the ultimate in waterjet reliability

By rethinking the way the intensifier pump works, we were able to make it work harder, last longer and require significantly less service time.



Easier servicing

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

Longer lasting

Advanced piston design minimizes seal wear and improves component life

Optimized shifting

Advanced electronics provide smooth, reliable shifting for optimum cut quality

No thread galling

Thread-less cylinders eliminate the possibility of galling (seizing up) and becoming unusable

Prolonged seal life

Large diameter ceramic plunger delivers more water per stroke with reduced friction, for longer seal life

Screw-less check valve

Eliminates possible loose screw creating internal damage to intensifier

Long life piston

Advanced piston design minimizes seal wear and improves component life

Large diameter plunger

1" (2.5 cm) plunger produces more water per stroke with reduced friction



TOOLING OPERATION

Safety operation	
SAFETY	
Follow all safety regulations when using power tools. Before you begin work, make sure that your work area is well-ventilated. Always wear safety goggles and a mask if required.	
DANGER	
Never use a power tool near water or in wet conditions. Always wear safety goggles and a mask if required.	
GARANTY	
Do not use a power tool if it has a damaged cord or plug. If the tool malfunctions, stop using it immediately and have it repaired by a qualified technician.	
WARNING	
Do not use a power tool if it has a damaged cord or plug. If the tool malfunctions, stop using it immediately and have it repaired by a qualified technician.	

A knowledgeable partner who knows what you need

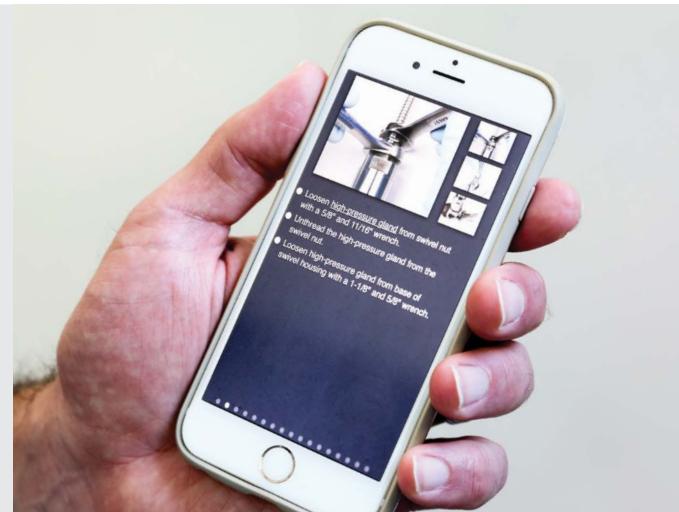
Hypertherm Associates built the most robust information tools in the cutting industry. From responsive waterjet experts working the customer service lines, to mobile applications and 24/7 online technical service guides, Hypertherm Associates provides what you need to know. And we offer it to our customers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



A large, semi-transparent background image of a diverse group of approximately 20 employees of various ages and ethnicities, all smiling and dressed in professional attire. They are positioned in several rows, some standing on stairs or ledges, creating a sense of community and teamwork.

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.

SHAPING POSSIBILITY®

PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

For more information, visit: www.hyperthermassociates.com

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Please visit www.hypertherm.com/patents for more details about Hypertherm Associates patent numbers and types.

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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

