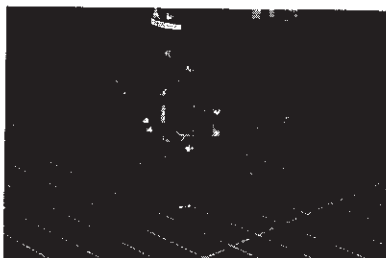
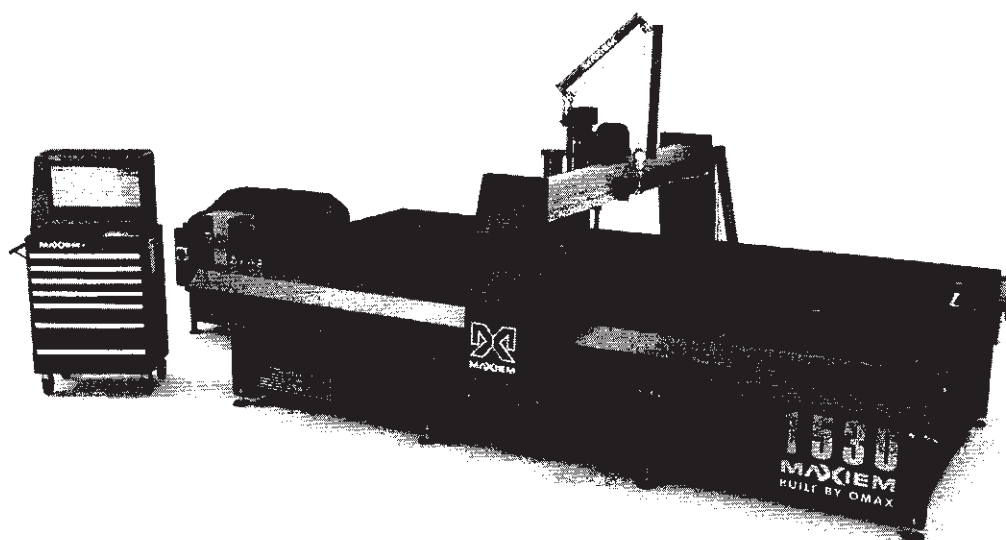

MAXIEM JetMachining® Center Proposal

December 12, 2014

Equipment Proposed: 1530 MAXIEM JetMachining® Center



OMAX
21409 72nd Ave South
Kent, WA 98032-1944
www.omas.com

MADE IN THE USA

OMAX
 21409 72nd Ave South
 Kent, WA 98032-1944
 Phone: (206) 786-2427

Machine Summary

The Model 1530 allows you to cut within an X-Y cutting travel area of 10' 0" x 5' 2" (3,061 mm x 1,575 mm). As with all MAXIEM JetMachining Centers, the MAXIEM 1530 cuts a variety of materials without the need to change equipment setup. This model and the other smaller models come with the option of whip-style or scissor-style plumbing. The complete MAXIEM product line is equipped with state-of-the-art drive technology which delivers a robust and reliable performance by harnessing Intelli-TRAX's superbly accurate motor movement on protected, precision ground drive shafts with stainless steel track rollers. Get the highest return of your equipment investment by benefitting from the unparalleled advantage of unmatched expert abrasive waterjet technology.

Machine Dimensions

Weight (tank empty)	4,000 lb	1,814 kg
Height	10' 6"	3,200 mm
Operating Weight	15,700 lb	7,121 kg
Footprint (without controller)	14' 1" x 10' 10"	4,293 mm x 3,302 mm

Work Envelope/Cutting Table

Cutting X-Axis Travel*	10' 0"	3,061 mm
Cutting Y-Axis Travel*	5' 2"	1,575 mm
Z-Axis Table Size	12"	305 mm
X-Axis Table Size	12' 2"	3,708 mm
Y-Axis Table Size	5' 8"	1,740 mm
Material Supports Slats Size	4" x 14Ga Galvanized Steel	102 mm x 2 mm

*Optional accessories may reduce travel. Photos may show optional accessories. Please consult your OMAX regional manager for details.

Standard Slat Configuration: 34 slats

Maximum Slat Configuration (optional): 117 slats

Slat Bed Maximum Support Material Load: 300 lbs / Square Foot (1,465 kg / Square Meter)

MAXIEM Standard Features

All OMAX MAXIEM Systems are made in the USA and are equipped with the following standard features:

- » Mobile Control Station with wide screen display, splash shield, estop & pause pendent
- » Tool and consumables storage mobile workstation
- » Breakthrough OMAX Pump Technology delivering the most JET POWER (Nozzle HP) to the nozzle than other types of waterjet pumps
- » Low noise pump and system design
- » Brushless Servo Motors and Drives, 500 ipm traverse speed and real time closed loop positioning feedback for high accuracy and performance
- » Exclusive Intelli-TRAX AbrasiveJet Linear Drive system with 1 micron resolution for incredible accuracy, smooth motion, waterjet robustness and low maintenance. The OMAX/Maxiem linear drive system has proven itself in hundreds of real-world abrasivejet installations around the globe
- » Modular Bridge Control and Power Centers with efficient heat dissipation, integrated electrical and air controls for high reliability and simple maintenance
- » Abrasive Feed System with 15lb capacity and environmental protection
- » Rugged Material Support System/Catcher Tank with a 300lbs/sq ft load capacity
- » Z Axis Core with MAXJET 5i Nozzle. Featuring diamond durability and precision with a 500 hour guaranteed life
- » 12" programmable "Z" axis travel
- » X Axis industrial steel protection covers
- » Lowest ceiling height requirement design in the industry
- » No special floor requirements for installation
- » Windows based control and operating system - compliant through Windows 8
- » 2 seats of IntelliMAX Standard Software
- » Basic Table Accessory Kit
- » 1 Year Warranty and FREE 1 year training at OMAX.
- » Full table access at an ergonomic height for simple, safe, unobstructed loading
- » Premier service, support, and parts network access
- » Onsite training for software, pump, maintenance, and operation
- » Available Intelli-Visor monitoring system for predictable maintenance and safety
- » Ability to add capabilities to the system as your company's needs grow
- » MADE in the USA!

December 12, 2014

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Proposal Summary

Description	Model Number	Qty
MAXIEM JetMachining Center	1530	1
MAXIEM M2050V	MAXIEM M2050V	1
MAXJET 5i Nozzle .011"	306895-11	1
Basic Start-Up Kit	311669	1
Toolbox	310509	1
[REDACTED]		
3 Axis Cutting Head	310673	1
MAXJET 5 Water Only Nozzle Kit (.011")	303486-11	1
WATER RECYCLING SYSTEM w/24000 BTU/HR Chiller and Laminar Filter, Single Pump 380 VAC	309516	1
Kit, Nozzle Spares MAXJET 5i	306869-11	1
Basic Pump Spares Kit (MAXIEM)	303283	1
		Additional
Add for 3,000 BTU chiller		1
[REDACTED]		
[REDACTED]		

30 HP pump upgrade

MADE IN THE USA

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Note:

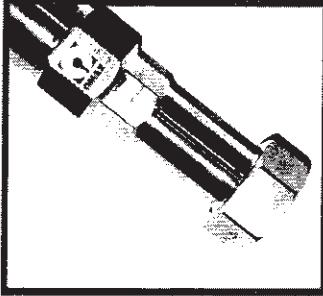
To attain both optimum safety and efficiency when using OMAX manufactured equipment, the buyer/user is urged to have its personnel follow all OMAX Documentation. OMAX Documentation encompasses the relevant aspects of operation, service or maintenance of any OMAX Corporation equipment, to permit safe and efficient operations of the subject OMAX equipment. Failure to follow such OMAX Documentation may, most importantly, result in unsafe operating conditions, and also less than optimal operation, from which OMAX Corporation and its authorized distributors and agents do disclaim liability.

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Proposed Accessories

Proposed Accessories - Primary Bridge

3 Axis Cutting Head
Model # 310673



MAXJET 5 Water Only Nozzle Kit (.011")
Model # 303486-11

Used in cutting applications not requiring abrasive (rubber, wood, cloth, etc.). The nozzle mixing tube is eliminated and the orifice is placed closer to the work piece.



MAXJET 5i Nozzle .011"
Model # 306895-11

Warranted to last 500 hours (prorated for use), the MAXJET 5i combines OMAX precision with rugged durability and convenience. This one-piece integrated nozzle eliminates the need for rebuilding the nozzle assembly simply replace the whole assembly when needed.

WATER RECYCLING SYSTEM w/24000 BTU/HR Chiller and Laminar Filter, Single Pump 380 VAC
Model # 309516

This system dramatically reduces water consumption, prevents dissolved solids from going down drain (overflow water is reused), and eliminates the requirement for make-up water treatments such as softeners, reverse osmosis, and DI water systems. This system is used on a single pump set-up.

Kit, Nozzle Spares MAXJET 5i
Model # 306869-11

Basic Pump Spares Kit (MAXIEM)
Model # 303283

Consists of 2 complete pump overhaul seal kits, 1 plunger assembly, filters, 12 u-cup seals, pump check valve kits, retainer, and lubricant.

Direct Drive Pumps:

The MAXIEM pump offers the same Variable Frequency Drive (VFD) capability of an OMAX market leading pump, giving you the flexibility to adjust the motor's RPM for high and low pressure operations. MAXIEM direct drive pump technology delivers the same high reliability found in proven OMAX pump technology.

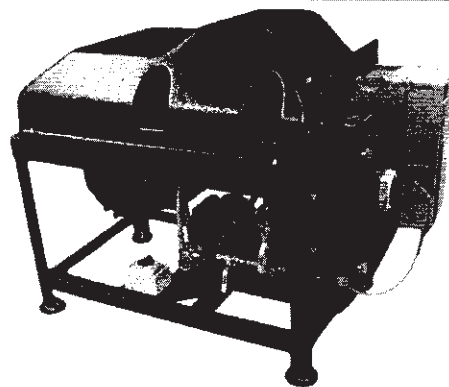
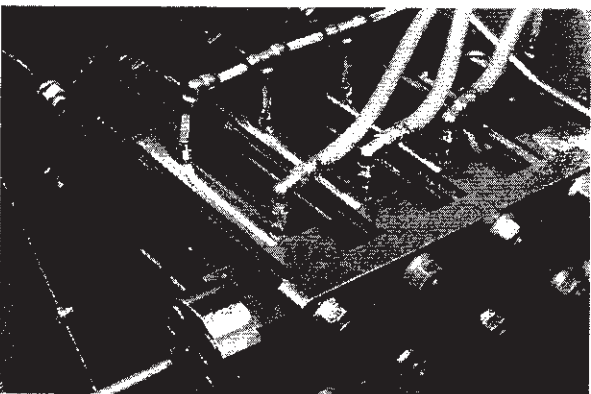
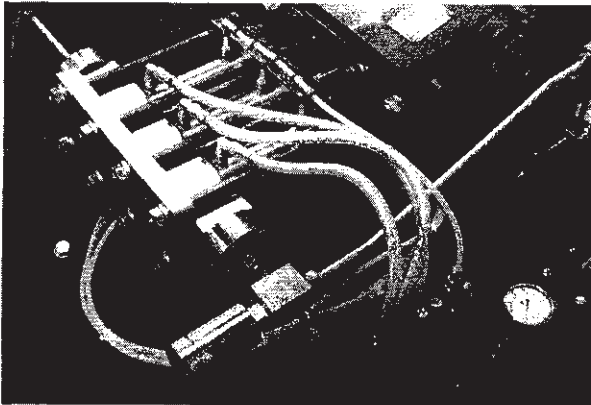
MAXIEM pumps are the latest in direct drive plunger pump technology, designed for tough industrial use. Engineered for optimal efficiency, the MAXIEM pump delivers more than 85% of the electrical input power to the cutting nozzle. This translates into less energy usage, faster cutting speed per unit of input power, and lower cost per finished part than other pump technologies.

DualPUMP Package Option:

MAXIEM DualPUMP Package: Unprecedented Cutting Speeds at Highest Efficiency. The DualPUMP Package offers two pumps joined together to provide the hydraulic cutting power for either two standard nozzles or one single, large nozzle and allows easy switching between dual and single pump operation to suit your application. This dual pump package offers the highest cutting performance by significantly reducing part cutting time. The DualPUMP package provides full redundancy.

MAXIEM Horsepower Options:

- » 20 horsepower (15 kW), 50,000 psi (3,450 bar)
- » 30 horsepower (22 kW), 50,000 psi (3,450 bar)
- » 40 horsepower (30 kW), 50,000 psi (3,450 bar)
- » DualPUMP Package (redundant 20 hp, 30 hp, or 40 hp)

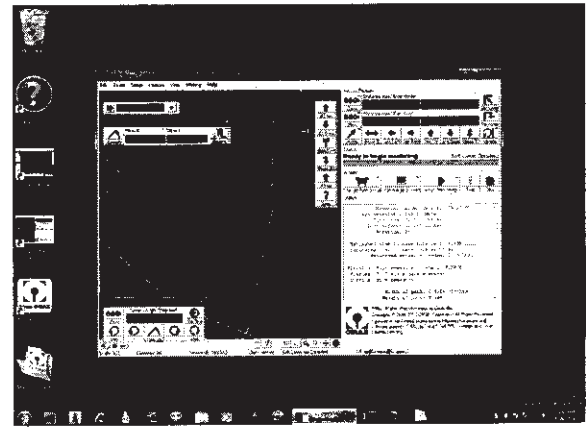
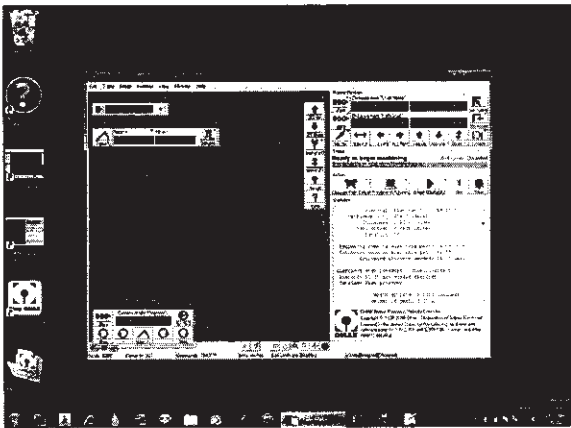
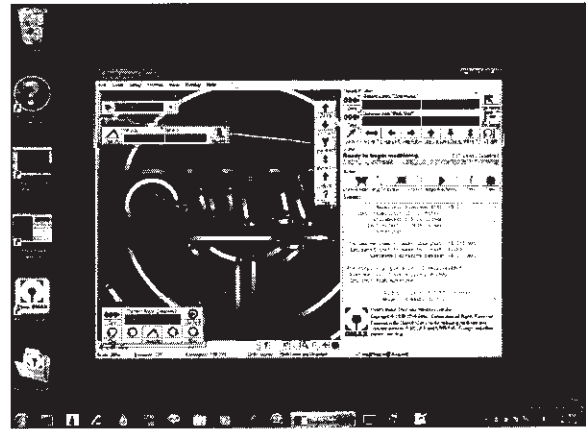
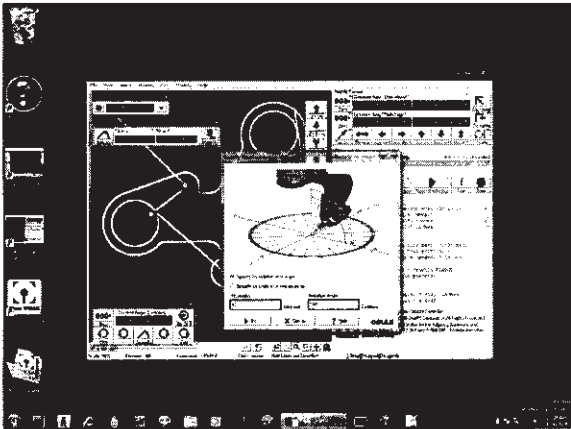


Intelli-MAX® Software

Each MAXIEM JetMachining Center is powered by the company's proven control software, bringing affordable abrasivejet technology to an expanding and diverse group of industries. The Intelli-MAX Software Suite, which includes Layout and Make, is revolutionary machine control software written specifically for abrasive waterjet systems and simplifies control of the jet stream while cutting. From producing drawings in Layout to utilizing Generation 3 Cutting Model calculations in Make, the state-of-the-art Intelli-MAX software brings optimal efficiency to your MAXIEM cutting activities.

The Intelli-MAX Advantage:

- » Faster cutting and higher precision than all competitor control software in its class
- » Runs on widely compatible Windows® operating systems
- » Fast and easy programming with MAXIEM's built-in CAD/CAM system or program using nearly any popular CAD/CAM package you are already familiar with
- » Using built-in cutting models and automatic cutting strategies, the software provides the fastest cutting and highest precision in its class, while minimizing consumables for the lowest cost parts



4. Training Programs

Waterjet training can lead to a higher return on your investment in the MAXIEM Waterjet machine. OMAX believes in and is committed to providing its owners and operators training opportunities through a variety of courses and tools to assure successful operations and lower operating costs.

There are a variety of optional technical waterjet training programs that provide instruction on how to operate, maintain, and optimize your MAXIEM Waterjet.

Here is the overview of the types of training available:

Operator Training

This six hour online webinar training program is designed to give your operators basic information to help get them up and running on the MAXIEM. During these three, 2-hour sessions, operators will receive information about the following:

- » A brief overview of the MAXIEM equipment
- » Terminology used in the waterjet process
- » How the machine works to cut a part
- » The steps in making a part on the MAXIEM equipment
- » How to get started with using the software
- » Where to find and how to use the help files
- » Best practices in tool pathing
- » A review of the equipment start-up and shut-down procedures

The online training is scheduled based on availability of the participants and the technical trainer.

3-day Operational & Maintenance Training

The training program is designed to lead you step by step through the process of making parts from drawing to cutting. It gives you practical, hands-on experience in how to maintain your equipment following best practices that have been tried and true in the lab and in the field. OMAX provides you the information, practice, and resources to assist you in effectively operating and maintaining your equipment, and with tools to assist in communicating with MAXIEM on ordering parts or working with Customer Service.

Training courses are offered every other month at the OMAX headquarters facility in Kent, Washington, located in close proximity to Seattle Tacoma airport. Additional customer training classes may be offered based on customer demand. Each course is facilitated by an OMAX Technical Trainer using OMAX and/or MAXIEM equipment and software.

Customer training classes are filled on a first-come, first-served basis. Free for 1st year of ownership; \$500 per participant thereafter and includes all training materials and supplies. OMAX provides a complimentary lunch each day of the training. Participants are responsible for other travel-related expenses including travel, lodging, and meals.

Classes start at 8:00 a.m. and run until 4:00 p.m. Pacific Time unless otherwise specified.

Additional Training

OMAX offers free training-on-demand through video instruction on software and maintenance; and through its software Help System. OMAX also offers fee-based customized training classes at OMAX or at the customer site, designed to meet specific customer needs.

One Year Limited Warranty

MAXIEM a division of the OMAX Corporation ("OMAX") warrants its MAXIEM® JetMachining Center and all components of its manufacture (the "Products"), to be free of defects in workmanship and material for a period of one year from the date of shipment or 2,000 operational hours, whichever comes first. This warranty covers all machinery and electronics equally, however, it does not include wear parts and consumable parts such as seals, valves, abrasive-jet nozzles, mixing tubes, orifices, high-pressure hose or high-pressure pump components. Further, Buyer is strongly cautioned that poor water quality and high inlet water temperature will significantly affect operational life of Products. This warranty specifically excludes coverage of any claims for the effects of corrosion, erosion, adverse water conditions, and temperature, normal wear and tear, or component failures caused by (i) accident, (ii) negligence, misuse, improper installation or abuse, or (iii) unauthorized repair or alteration, or failure to maintain the MAXIEM JetMachining Center that contains the affected components in accordance with the technical bulletins and specifications provided by the OMAX. All labor is the responsibility and expense of the Buyer. The liability of OMAX under this warranty is limited, at OMAX's exclusive option, solely to repair or replacement with equivalent items or refund of the purchase price upon return of the subject nonconforming Product. Replacement parts may be either new or reconditioned, at OMAX's option. Freight charges, brokerage charges, duties and taxes for return of parts and for parts or components provided by OMAX under this warranty, will be the responsibility of the Buyer. This warranty is conditioned upon (a) OMAX being notified in writing by Buyer within 30 days after discovery of defects; (b) the return of presumed defective components to OMAX within 30 days of notification, transportation charges, brokerage charges, duties and taxes prepaid by Buyer, and (c) OMAX's examination of such components disclosing to its satisfaction that such defects were not caused by negligence, misuse, improper maintenance, abuse, improper installation, accident, or unauthorized repair or alteration. Unauthorized repair or alteration shall specifically include any use of third party replacement parts which are not OMAX manufactured or supplied Products. Buyer is strongly cautioned that use of such unauthorized third party components will not be covered by any warranty whatsoever from OMAX and that further, OMAX may deny all other warranty coverage, if OMAX concludes, at its sole discretion, that failure of a Product claimed under this warranty had as a proximate cause the Buyer's use of other unauthorized replacement components which had the effect of causing the failure in the Product claimed under warranty. Accessories or equipment manufactured by others but furnished by OMAX shall carry the warranty conveyed by the manufacturer to OMAX, which may be passed on to the Buyer. The original warranty period of any component that has been repaired or replaced by OMAX shall not thereby be extended. OMAX will indemnify Buyer for any damages and costs finally awarded against Buyer on the grounds that a Product, (but not any items manufactured by third parties), infringe any valid United States patents or copyrights of any third party, provided that Buyer notifies OMAX in writing of any such claim within ten days after learning thereof and that Buyer gives OMAX full control over the defense and settlement of the claim, and fully cooperates with OMAX with respect thereto. If any such claim is brought or appears to OMAX likely to be brought, OMAX may at its option replace or modify the Products to make them non-infringing, or refund to Buyer, upon return of the Products at issue, the price paid there for, less twenty percent for each year which has passed since the date of delivery hereunder. Buyer shall discontinue all use of any portion of the Products that has been replaced or modified or for which a refund has been tendered. OMAX's obligations hereunder shall not apply to any claim based on: i) OMAX having followed Buyer's specification or requests; ii) the use of Products to practice a process not recommended by OMAX, or iii) in conjunction with items or modifications not supplied by OMAX, and the Buyer shall similarly indemnify OMAX with respect to such claims. THE FOREGOING STATES OMAX'S SOLE RESPONSIBILITY AND BUYER'S SOLE REMEDY FOR ANY INFRINGEMENTS OF PROPRIETARY RIGHTS. OMAX MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, OF ANY KIND, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR THOSE ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE. IN NO EVENT SHALL OMAX BE LIABLE TO BUYER OR TO ANY THIRD PARTY FOR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES INCLUDING WITHOUT LIMITATION, LOSS OF USE, DELAYS OR LOST PROFITS OR SAVINGS RELATED TO THE PRODUCTS, THE USE OR LOSS OF USE THEREOF. THE PERFORMANCE OR BREACH OF THIS AGREEMENT BY OMAX, OR OTHERWISE, EVEN IF OMAX IS AWARE OF THE POSSIBILITY OF SUCH DAMAGES, AND EVEN IF THE EXCLUSIVE REMEDIES STATED HEREIN FAIL OF THEIR ESSENTIAL PURPOSE. BUYER'S RIGHTS AS STATED HEREIN ARE ITS EXCLUSIVE REMEDIES. Buyer agrees that regardless of the form or action, whether in contract or tort, including negligence, OMAX's liability for damages hereunder or otherwise with respect to the Products or their use shall not exceed the total sum paid by Buyer to OMAX for the Products causing such damages. (R/09/24/10)

Requirements & Recommendations

7.1 Water Quality is Important

The quality and temperature of the water used by our MAXIEM® JetMachining Centers plays a very important role in the life of certain UHP components, such as: the orifice, on/off valves, seals, check valves & plungers. In order to perform high quality cutting, the orifice needs to be able to create a high quality jet that is directed through the center of the mixing tube. In the orifice of the nozzle, water is accelerated to speeds between Mach 2 and 3. Solids in the water can create a multitude of problems for the orifice. These solids can be classified into two groups, dissolved solids and suspended solids. Particles suspended in the water impact the edge of the orifice and can chip it. This results in poor jet quality and subsequently poor cutting capability and lowered mixing tube life. Solids that are dissolved can precipitate out of solution onto the entrance of the orifice. Over time a ring of the precipitate builds up around the orifice. Eventually, a portion of this ring breaks and damages the orifice or disrupts jet quality. The time it takes for this to occur can vary between a few hours to hundreds of hours. Maintaining a constant cool water flow into your pump helps you to achieve optimal performance and highest seal life. We recommend to keep the incoming water temperature from the reservoir between 45 and 65 degree Fahrenheit (8 to 18 degree Celsius). If the incoming water temperature exceeds 70 degree Fahrenheit (21 degree Celsius) at any given time a sufficiently sized chiller will be required. As part of the installation planning, MAXIEM will arrange for a water sample analysis. This will be done by an independent commercial water testing company, who can determine the suitability of the water for meeting the recommended maximum mineral levels. If the water quality falls outside these levels, we can recommend appropriate solutions. Water temperature considerations will also be discussed.

7.2 Recommended Water Quality Indicator Levels

- » Calcium 17 ppm
- » Chloride 100 ppm
- » Iron 0.3 ppm
- » Magnesium 6 ppm
- » Manganese 0.05
- » Sulfate (mg/l) 200 ppm
- » pH 6.5 to 8.5
- » Total Silicon (Silica) 10 ppm
- » Total Dissolved Solids 250 ppm

The user is responsible for providing suitable water to the MAXIEM System, as specifications may be modified from time-to-time, to keep the MAXIEM Limited Warranty in effect.

- » Supply Water Drinking quality water or treated as required must maintain 30 psi in line while flowing 2 GPM (7.6 l/m) at 60 degree F (16 degree C) or lower
- » Drain Max. height 24" above the floor. Sized for five GPM
- » Fittings All low pressure fittings are standard garden hose
- » High Pressure Uses Std. 3/8" coned tubing (supplied)

Chiller Guidelines

- » Inlet Water Supply Temperature to MAXIEM Pump Chiller Required
- » Less than 65 degree F (18 degree C)
- » Between 65 degree F and 75 degree F (18 degree C and 24 degree C) 12,000 BTU/HR
- » Over 75 degree F (24 degree C) 24,000 BTU/HR
- » All Closed Loop Systems 24,000 BTU/HR
- » Note: It is the inlet water supply temperature that determines which chiller is required.
- » Chillers are 460V, 3 PH

7.3 Performance Requirements

The MAXIEM JetMachining Center will provide capability and ease of use at very high levels of productivity and quality. To assure the high productivity and quality levels are maintained, MAXIEM recommends the following to all customers:

- » Perform specified preventative maintenance as scheduled
- » Maintain an adequate inventory of spare nozzle and pump parts
- » Use only high quality garnet, sifted through 80 mesh screens or finer with no grit particles larger than .020" in size
- » Equipment is operated by a trained and competent operator