



YOUR BEST WATERJET PERFORMANCE

COMPANY PROFILE

waterjetcorp.com

S I N C E
1991



ITALY - USA - UNITED ARAB EMIRATES

WATERJET CORPORATION
specialised in the **production**
of innovative, high-efficiency
machinery for waterjet cutting
and hydro-finishing.

A T R U E M A N U F A C T U R E R

We design and produce **made in Italy, numerically controlled, state-of-the-art, innovative machinery with the highest standards of quality, precision and productivity** for use in numerous industrial sectors and application fields.



Over 30 years of history

Over 30 years of history

1991

WATERJET was the brainchild of the entrepreneurial vision of the engineer, Salvatore Russo. Since founding the company, he has been a **DESIGNER AND MANUFACTURER** of CNC, high-pressure water jet cutting systems and machine tools.

1994

After graduating and passing the Mechanical Engineering State Examination at the Polytechnic of Milan, on 2 May, **Massimo Russo joined the company bringing with him new technological and marketing ideas for the development and internationalisation of the company.**

1997
2003

After the initial few years of business, marked by the first successes, the purchase of three production facilities in Monza was finalised for the overall management of:

- **ASSEMBLY**
- **SHOWROOM**
- **RESEARCH & DEVELOPMENT**

2003

Thanks to comprehensive experience built up in the high-pressure cutting industry, a **second division** of the company was created, designing and manufacturing an innovative, new, eco-sustainable machine, **WATERSTONE/HYDROFINISH for the surface treatment of stone materials** using a high-flow, high-pressure water jet.

2004

An international sales and marketing network was gradually established, including **THE EXCLUSIVE WATERJET MIDDLE EAST BRANCH OFFICE IN THE UAE ON 20 MARCH**, to support production potential, guaranteeing a local sales service in the Middle East for water-cutting machines and timely assistance.

2006
2011

A FIVE-YEAR JOINT VENTURE WAS SIGNED IN CHICAGO WITH MITSUBISHI CORPORATION MACHINERY for the customised Private Label production and distribution in the USA of **over 200 Waterjet Made in Italy machines.**

2012

The exclusive Waterjet USA branch was set up in Geneva Illinois to provide direct sales and after-sales support of Waterjet's systems, thus ensuring continuous local distribution of systems and efficient and timely after-sales service throughout North America.

2016

Waterjet's commercial and production success was crowned by the **BTOB award**, the highest award for entrepreneurship in Lombardy: competing with the best industries in the region, Waterjet placed **first In the "Internationalisation" category.**

2020

After four years of intensive planning, research, development, design, testing and patent application, on 12 November, **four innovative all electric, high-efficiency and energy-saving, hybrid intensifier SERVO PUMPS** were showcased and officially launched worldwide, ushering in a new era in the waterjet world in line with the modern and more eco-sustainable industrial evolution.

2021

Another production facility was purchased for the assembly and testing of the **NEW W-POWER PUMPS** to support the company's comprehensive technological expansion and integration, and also as an ongoing guarantee of compliance with ISO9001-2015 standards and the machinery directive for correct Made in Italy production and CE certification of all equipment.

2022

The **fourth company division was inaugurated**, designing and officially launching a **new range of CHEFLINE machines** for the food industry dedicated to **high-pressure processing pasteurisation of fresh and frozen food.** **Waterjet is now the only manufacturer in the world** with a broad cross-section of environmentally friendly proprietary machines that utilise exclusively high-pressure waterjet technology.

OGGI

THE SIGNIFICANT PRODUCTION POTENTIAL IS NOW increasingly supported by an international sales network, capable of ensuring the **global distribution of our innovative and state-of-the-art machinery** with high-quality Italian design.

Excellence in numbers

These numbers are the tangible result of our passion, manufacturing expertise and the trust that our customers place in us.

Our international presence in 60 countries is the result of a targeted global expansion strategy, that has allowed us to adapt to the dynamics of the global market to produce innovative, state-of-the-art machinery and provide solutions, including custom solutions, on an international scale.

over
15million
in overall annual revenue

With promising prospects for growth and development in Italy and abroad

4
**Waterjet Technologies
and Production Divisions**

Focused on all industrial requirements

+50
Employees

throughout Italy

+30
Types of machines

For cutting materials and high-pressure hydrofinishing

over
2500

New Installations

in more than 60 countries worldwide

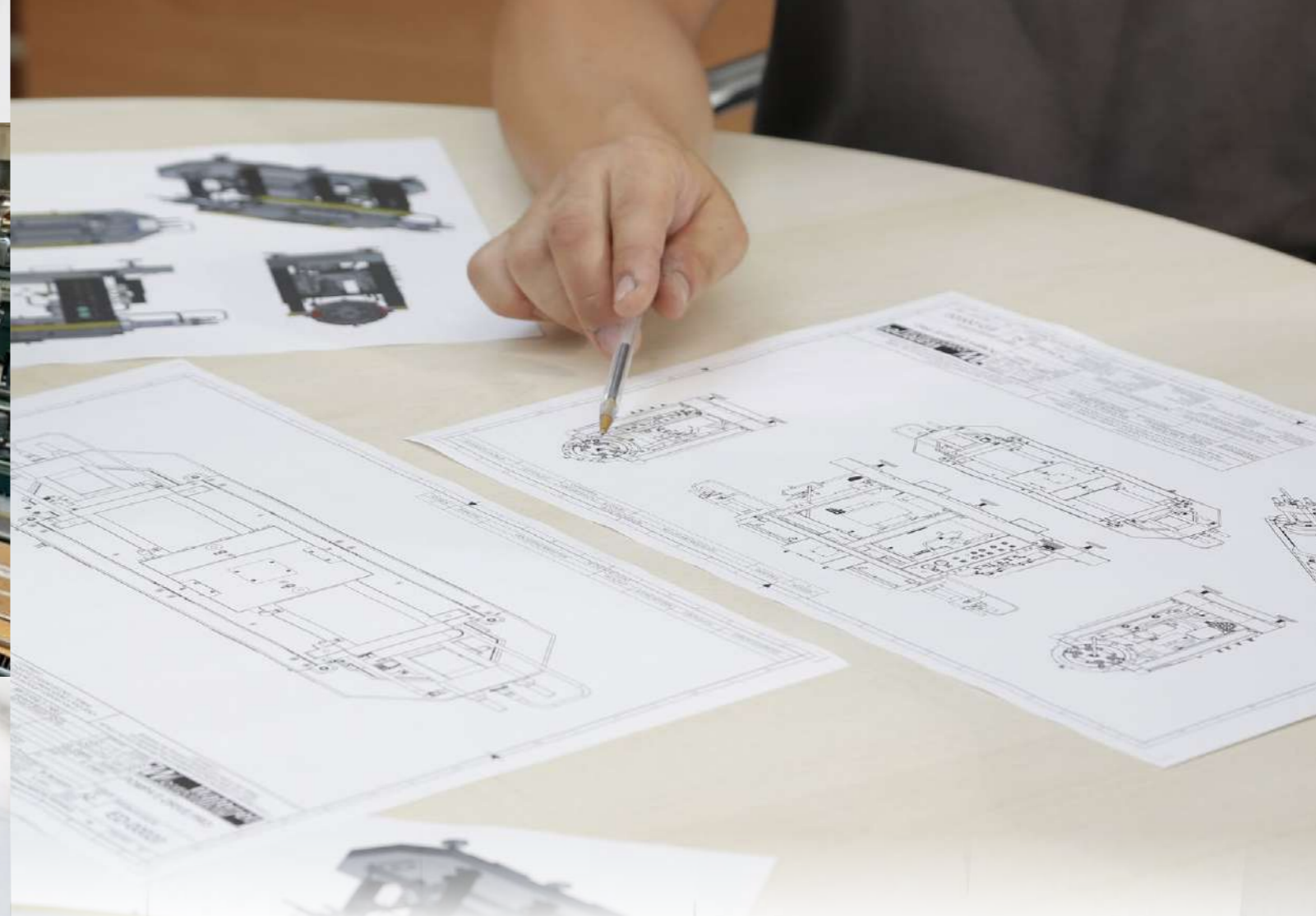
Over
30

Finishes

for surface and decorative processing of stone materials.

A Specialised Team

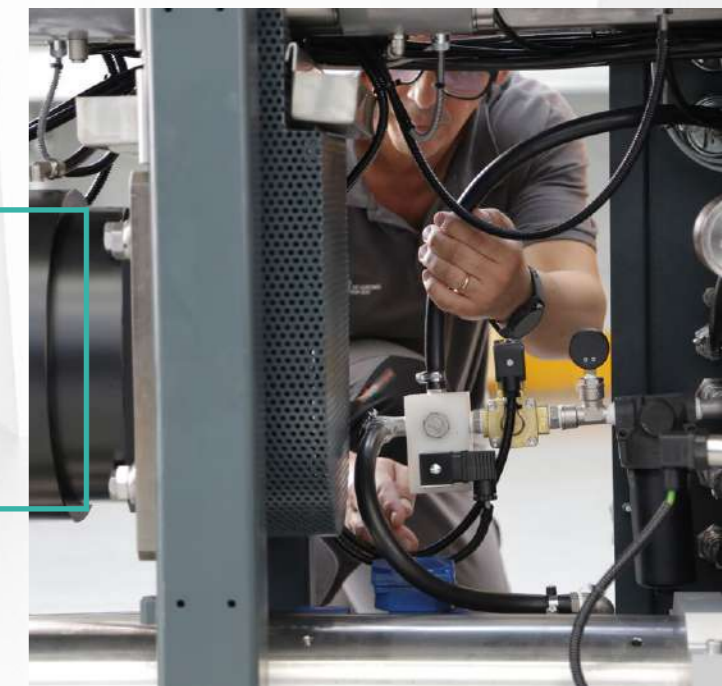
In a dynamic environment, our team is not just a group of talented individuals, it is the driving force behind our growth and defines the company's identity.



High quality and reliability

Waterjet combines the use of **high-quality and reliable components with in-depth technological know-how** and tireless Research & Development.

We position ourselves as a reliable partner for anyone who appreciates excellence in detail and precision in industrial production processes.



Why choose our machines?

Waterjet machines guarantee **precise cold cutting on a variety of materials**, including metal, glass, stone, composites and insulating materials.



EXCEPTIONAL VERSATILITY AND CUTTING PRECISION

Minimum waste of processed material and significant reduction in production time and costs thus eliminating finishing steps after the cutting stage.

VERSATILITY

The machines that we produce allow any shape, size or material to be cut, up to a maximum thickness of 300 mm. Since this is a cold cutting process, no mechanical or thermal deformations occur in the processed material, which is very important in the case of state-of-the-art materials.

USER-FRIENDLY

The programming operations are very simple. You can select and start the custom work program for any material or thickness with just a few clicks.

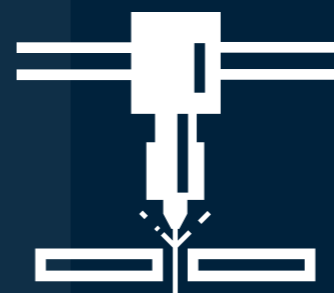
ECO-SUSTAINABILITY

We have adopted efficient production processes and responsible resource management to cut down on waste. We invest in environmentally friendly technology and involve our employees in sustainable initiatives that are the key to building an environmentally advanced business model.



4 divisions of Technology and applications

WE ARE MANUFACTURERS
attentive to every need



WATERJET

Standard and custom cutting systems with a high-pressure water-jet



GOURMET

Water-jet cutting systems for the food and confectionery industry



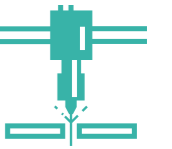
HYDROFINISH

Exclusive automated systems for surface and decorative treatment of stone materials



W-POWER

Innovative green, hybrid, all electric intensifier servo pumps



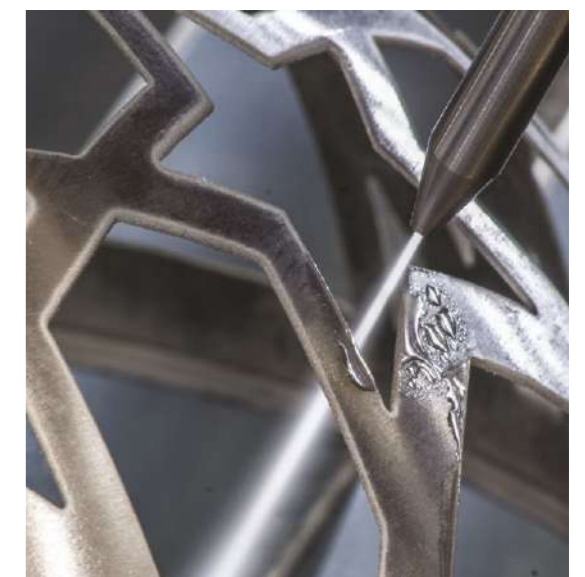
WATERJET

A very high-pressure water jet ejected at three times the speed of sound from the cutting head.

Waterjet cutting is a cold cutting process that consequently does not produce any mechanical and thermal deformations on the processed material.

It does not require any additional processing because the surface of the cut contour is perfectly finished, and the process is entirely environmentally sustainable.

Waterjet solutions allow you to cut any shape, size or material up to a maximum thickness of 300 mm. By using the same tool and parameters during most operations, it is possible to easily cut different materials such as marble, granite, glass, ceramic, composite materials, metals, plastic and insulating materials.



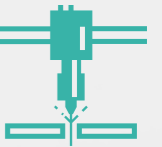
WATERJET
MACHINES
WATERJET TECHNOLOGY



TOP OF THE RANGE: PRIMA | CLASSICA | SUPREMA | PRATICA | WATERLINE

APPLICATIONS: MARBLE | GLASS | METAL | CERAMIC | COMPOSITE MATERIALS | RUBBER

THE RANGE WATERJET



PRIMA

3 axis entry level system



PRATICA

3 axis separated tank



CLASSICA

Classic 3 and 5-axis system



SUPREMA

High pressure system



ROLLJET

System with mesh worktop
automatic motorised rotating



TRIBLADE

DWT combined system





HYDROFINISH

Through **high-pressure water erosion**, a controlled processing is carried out for **the surface finishing and decoration of the material**.

The water jet is intensified and forced through a rotating multi-nozzle body by the high-pressure pump, hitting the surface of the stone at a pressure of 2500 bar, resulting in a **broad range with decorative effects**.

These effects vary depending on the different degree of coarseness which can be adjusted through pressure, the distance of the nozzle from the material and synchronised speed of nozzle movement, and on the variation in colour of the material, which is enhanced by this type of technology.



HYDROFINISH
MACHINES
HYDROFINISH TECHNOLOGY
AND APPLICATIONS



TOP OF THE RANGE: BRUSHSTONE | WATERSTONE | SCRATCHSTONE | HYDRODECORATIVE | FLAMESTONE | HYDROJET

APPLICATIONS: MARBLE | GRANITE | STONE | CONCRETE | CERAMIC | RESIN | ALUMINIUM | MIRROR | ENGRAVING



How **Hydrofinish technology** and its applications work

Hydrofinish technology, designed and developed by Waterjet Corporation, uses a high-pressure (up to 2,500 bar), high-flow water jet to perform a surface finishing process on the material, through the controlled action of erosion, a finishing process that enhances the original colour of the material.

HYDROFINISH IS A TOTALLY SUSTAINABLE TECHNOLOGY: it does not generate fumes, heat or polluting waste materials.



ALUMINIUM
| Coverings, Objects and Furnishings



MIRROR
| Objects and Furnishings



ENGRAVINGS
| Coverings



MARBLE
| Inlays, Flooring, Coverings



GRANITE
| Floors, Coverings



STONE
| Floors, Coverings



HYDROFLAMING
| Floors, Coverings



SCRATCHED
| Coverings



COMBED
| Coverings



CEMENT
| Coverings



CERAMICS
| Objects and Furnishings



RESIN
| Components



BAMBOO GRINDING
| Coverings



TRADITIONAL FLAMED
| Coverings Floors



LAPITEC
| Flooring, Coverings

THE RANGE HYDROFINISH COMPLEMENTARY SYSTEMS



FLAMESTONE

Traditional continuous flamer single or multi torch.



BRUSHSTONE

Brushing and bush hammering system



WATERSTONE

Automatic hydrofinishing system numerical control system with axes interpolating axes with high production



SCRATCHSTONE

Automatically controlled numerical scratching, combing and bamboo-effect grinding by using mechanical tools.



**COMPLETE
MULTI-FINISHING
LINE WITH HIGH
PRODUCTIVITY
AND
AUTOMATION**



The compact CNC waterjet cutting systems for the **food industry.**

Exceptionally reliable and easy to use.

Gourmet Line machines provide the food industry with innovative cutting technology, perfectly sanitized by high-pressure pasteurization.

The Gourmet Line range is integrated with Servo™* technology, the innovative energy-saving hybrid servo intensifier pump.

GOURMET
MACHINES
TECHNOLOGY AND APPLICATIONS
FOR CUTTING FOOD PRODUCTS



GOURMET LINE: DELICIA | MAGNIFICA | OPTIMA | UNIKA



CHOCOLATE



PASTRY



ICE CREAM



MEAT



FISH



VEGETABLES

*BFT Technology

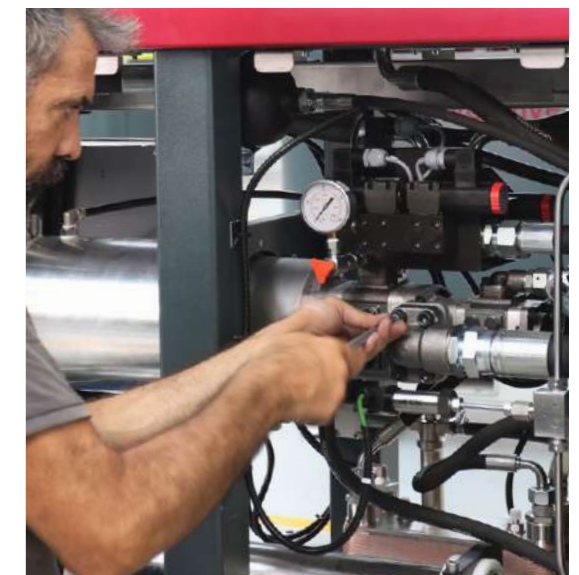
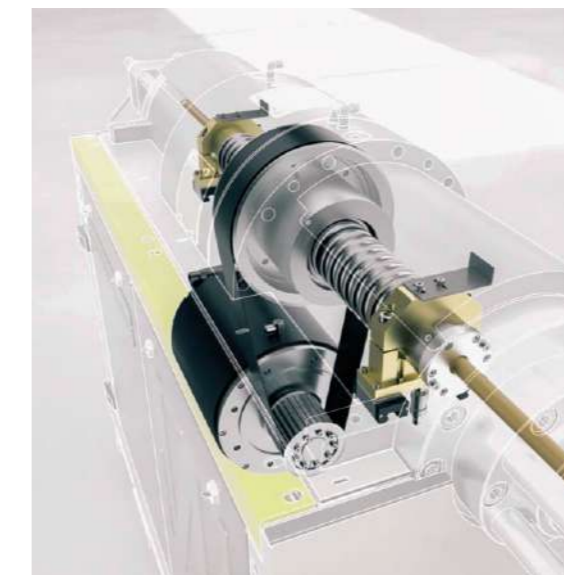


W-POWER[®]
by waterjet corporation

It revolutionises Waterjet technology in a **present-day and future world that is more efficient, better performing** and increasingly **environmentally friendly.**

Four innovative pressure intensifier pump systems: **two patented hybrid models, Servo™* (4,150 BAR) and Hyper™* (6,500 BAR), and two 100% electric models, E-Drive™ (4,200 BAR) and E-Drive Pro™ (6,000 BAR),** all equipped with next-generation Brushless Servo motors, ensuring:

- **37 to 50% of energy efficiency;**
- **5% reduction in noise and noise pollution;**
- **60% reduction in overall size;**
- **90% reduction in environmental impact;**
- **20% increase in cutting performance;**
- **10% reduction in maintenance and processing costs.**



THE
W-POWER
PUMPS
THE ENERGY-SAVING, HIGH-EFFICIENCY
PRESSURE INTENSIFIERS



W-POWER RANGE: SERVO™ | HYPER™ | E-DRIVE™ | E-DRIVE PRO™

*BFT Technology



Certifications

In-house quality control processes go through rigorous testing and inspection procedures using Renishaw's best equipment. Waterjet has implemented the **ISO 9001-2015 standard** in its production cycle, thus certifying production and product quality for its customers. All Made in Waterjet machines are accompanied by their own **final quality control document** certifying the precision and repeatability tolerances measured in accordance with those guaranteed.



TÜV SÜD certification
Certificazione TÜV SÜD



Patents

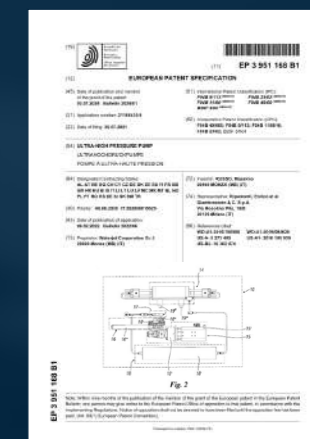
Waterjet's strong commitment to innovation has led to the filing of three crucial patents:

EU Patent No. DE 20 2007 012 572 U1
4-axis technology with I.T.C.TM (Intelligent Taper Control) for taper compensation.

EU Patent No. CH 701 319 A2
Infinite rotation system for 2D and 3D inclined cutting with 5 axes.

EP Patent 3951168
High Efficiency and Energy Saving Hybrid Pressure Intensification System.

SNF Certification - Gourmet Line
Certifies compliance with the highest standards in hygiene, safety and performance in the food industry.



After-sales services

We are a company that is a present and reliable partner for our customers, ensuring the best possible water-cutting experience.

This is why Waterjet machines come with an efficient after-sales service provided by a team of highly specialised technicians.

Waterjet technicians, in fact, take part in a highly selective training program, which is only completed by specialised, professional operators with thorough knowledge of the operating and application features of every system installed.

The support services which routinely accompany the life cycle of a Waterjet machine are:

- Technical support both during and after the warranty period
- Online Remote Support
- Supply of original spare parts and consumables
- Installation and training on how to operate the machine
- Retrofitting
- CNC and software updates
- Periodic and preventive maintenance contracts.





HEADQUARTERS

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