

DONATONI C-SERIES

Working centers

DONATONI
Stone Tech Creators



**Fast.
Robust.
Precise.**



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Advantages

- **A range of different sizes** to meet every need
- **No need for foundations** thanks to the tank with direct access to the drain
- **Extreme precision**
- **Low and simple maintenance**
- One machine, **a thousand applications**

Main features

- **DONATONI C-SERIES:** power and precision in one machine
- The C-Series is a range of CNC work centers with 3 or 4 interpolated axes, designed to deliver excellent performance on all types of natural and artificial stone. Compact yet incredibly solid, it is the ideal choice for those looking for finishing quality and maximum efficiency, even for complex operations.
- These machines are designed to combine **mechanical precision, a rigid structure, and integrated CAD-CAM technology**, to easily meet even the most demanding production requirements.
- With a **wide range of configurations and accessories**, it is a **fully customizable** solution to perfectly adapt to each customer's production needs.
- **DONATONI C-SERIES:** when work becomes art, with maximum efficiency.

C-SERIES machines



C3.34 / C4.34



C3.38 / C4.38



C3.44

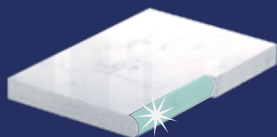
Creations

Processing of kitchen countertops, bathroom tops, panels for indoor and outdoor coverings, stairs, window surrounds, design and artistic elements, small and medium-sized sculptures and columns, sinks, shower trays, tables, products for construction and funerary art.



Machinings

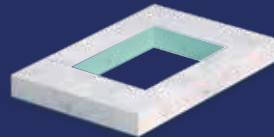
DONATONI C-SERIES working centers allow a wide range of processes, such as:



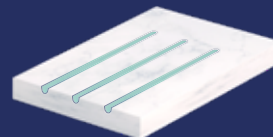
Profiling



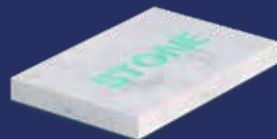
Profiling of internal holes



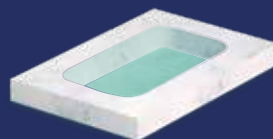
* Profiling of sharp-edged internal holes



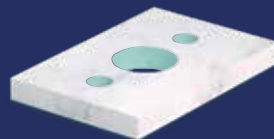
Grooving



Engraving



Cavities / Recesses



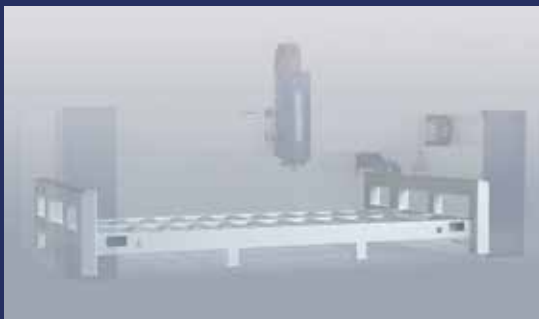
Drilling



Milling

* It can only be performed with 4-axis configuration.

Components



Monobloc structure

Compactness, rigidity, and long-term durability. The self-supporting welded steel frame is galvanized and painted to ensure **maximum long-term protection**. The structure is easy to position thanks to the lifting holes for crane or gantry. The **ground placement** is safe and stable thanks to adjustable feet. This is the most functional solution to ensure **quick machine start-up**.



Side crossbeams

Innovation and uncompromised performance. The side rails are integrated into the monobloc frame and machined with next-gen machine tools. Linear guides with recirculating ball bearings and helical toothed hardened racks ensure **perfect bridge movement** along the Y-axis, lubricated with a centralized automatic grease system. **Maximum reliability** is ensured by protective bellows that prevent dust and water buildup, which could harm the machine's operation.



Electrospindle

Innovative 18 kW electrospindle, 12000 rpm. The hollow shaft allows internal water flow, ensuring optimal cooling via an external heat exchanger. The electrospindle is equipped with an internal encoder for spindle alignment with ISO 40 tool holder cones. The cones are loaded automatically with a pneumatic system that opens/closes the clamp.



Tool Presetting System + Slab Thickness Probe

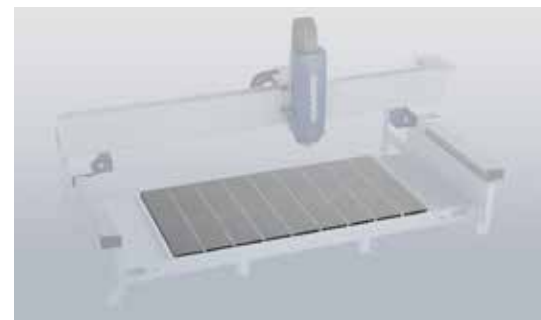
The **tool presetting system** automatically detects the tool length and diameter. It precisely measures tool dimensions and transmits them to the CNC, with the software updating axis positioning for **higher precision and finishing quality**. The **slab thickness probe** detects the slab's average thickness and sends it to the CNC, updating work parameters in real-time. The software optimizes machine settings, ensuring **top precision**.



Cross Laser

The cross laser is the ideal solution for precise suction cup and piece positioning.

Mounted on the spindle unit, it ensures accurate and efficient processing. Another DONATONI solution designed to enhance and optimize production.



Worktable

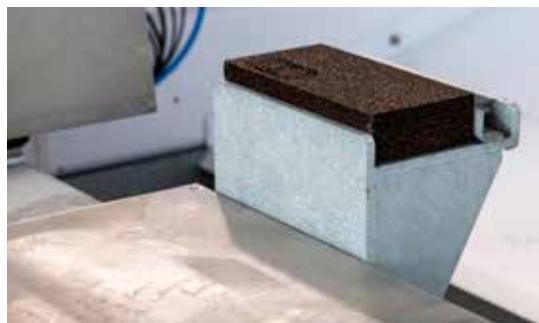
Worktable made of extruded aluminum slats offering **excellent performance**.

A system of plastic profiles allows the use of double-effect suction cups over the entire table area.



Handheld terminal

The handheld terminal includes buttons for **manually moving all machine axes** at low speed (in steps or “JOG” mode).



Tool wheel dresser

The tool sharpener is an accessory designed for tool reconditioning, with integrated support and sharpening stone on the monoblock structure.

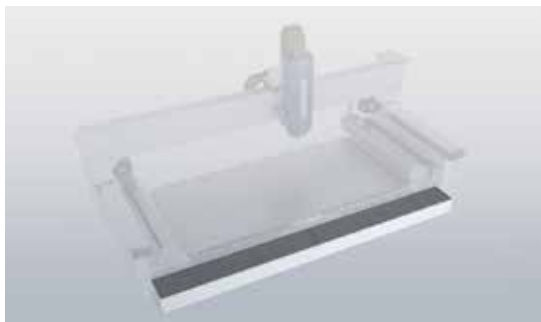
The cycle is **automatically managed by the software**.



Suction Cup Laser Projector

This optional simplifies **suction cup placement** by simultaneously projecting their positions, without needing to move the machine.

It **prepares the work area** by reproducing the arrangement of suction cups and pieces on the table, avoiding head movement.



Water conveying tanks

A system of water tanks runs along the table's perimeter, collecting and draining processing water efficiently.

This keeps the **workspace clean and dry**, ideal for uninterrupted productivity.



Vacuum bars

System with one or two vacuum bars designed for **optimal suction and blow control of suction cups or stops**. Movement of cups and telescopic stops is easily managed via foot switches.

Each bar supports up to 11 double-effect suction cups and 3 stops.



Front safety guards

Front safety barriers with closing system ensure high safety standards. Designed to maintain **maximum visibility** and minimize obstruction.

The closure consists of a 2+2 door system. Opening methods vary by model. With fully open doors, the large access area allows for **easy loading and unloading**.



Tool holder

Steel tool holder integrated into the monobloc, designed to hold ISO 40 tool holder cones. The pneumatic system opens and closes the magazine, protecting tools during operation. Several configurations are available depending on the machine model. All include tool presetting.



Control panel

Everything at your fingertips. The control panel is the basic tool for machine use and programming. It's designed to be **intuitive**, featuring an **innovative** console with a large 21" touch screen.

The ergonomic structure makes the machine **easy to use**.



Waste water recirculation kit

System for recirculating waste water, complete with a high-efficiency booster pump located at the rear of the machine for **easier external inspection**.

A level sensor provides constant monitoring. Front-removable tanks **simplify maintenance**.



Backing pads holder

Backing pads magazine with magnetic attachment, ensuring organized and quick tool changes. Made of steel, it can be installed at the rear or sides of the monobloc. It holds up to 7 polishing pads and 1 sharp edge disc (Ø max 150 mm). Stainless steel cover with pneumatic closure included.



Attachments(flutes/polishing pads)

C-Series machines can integrate optional attachments to enhance machine versatility. Available: polishing pad attachment and drip tray cutter attachment for kitchen countertops.



C-axis

Available on some C-series models, it allows loading/unloading of attachments (with dedicated magazine) for angle drives, 90° internal hole polishing.



Tool kit

To facilitate initial setup and optimize machine operation, a selection of predefined tool kits is available, containing the most used accessories for standard operations. Available kits include:

- **ISO 40 cones Kit:** with ISO 40 tool holder cones
- **Grinding wheel & tool Kit:** includes tools for cutting, milling, polishing
- **Suction cup Kit:** specific suction cups for holding parts during productivity.

Each kit is designed for ease of use, reducing setup time and improving productivity.



Spindle Axis Tilting System

A tilting system for the spindle axis, ideal for performing **angled cuts with maximum precision** (e.g., angled recesses).

The tilt range is $\pm 3^\circ$, managed automatically by a **pneumatic piston**. The angle is manually adjustable via screws.

Summary table

	C3.38	C4.38	C3.44	C3.34	C4.34
Monobloc structure	S	S	S	S	S
Side crossbeams	S	S	S	S	S
Electrospindle	S	S	S	S	S
Tool presetting	S	S	O	S	S
Slab thickness probe	S	S	S	S	S
Cross laser	S	S	S	S	S
Worktable	S	S	S	S	S

S Standard
 O Optional
 X Not available

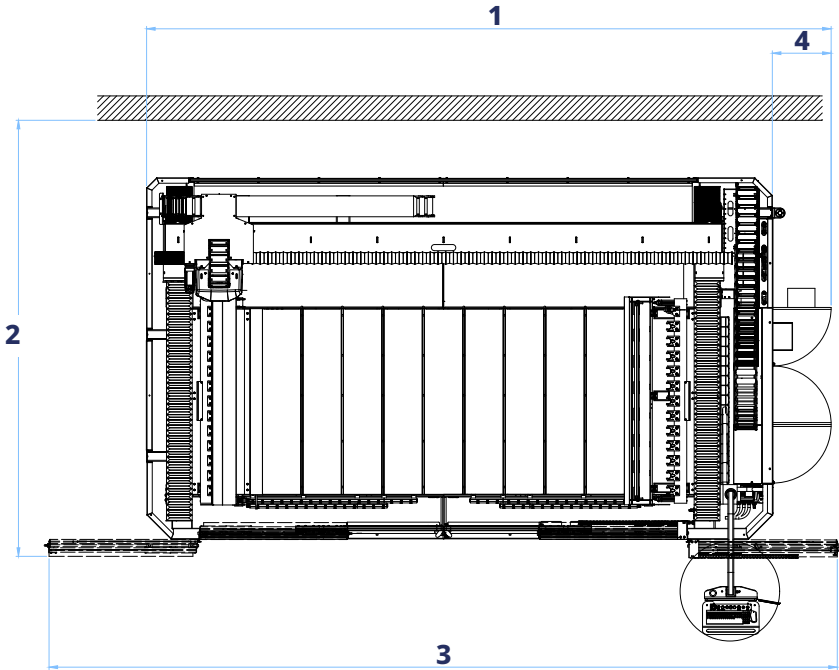
	C3.38	C4.38	C3.44	C3.34	C4.34
Handheld terminal	S	S	S	S	S
Tool wheel dresser	O	O	X	O	O
Suction cup laser projector	O	O	O	O	O
Water drainage tanks	S	S	S	S	S
Vacuum bar/bars	S	S	S	S	S
Front guards	S	S	S	S	S
Tool holder	25 side or 55 rear	25 side or 55 rear	36 side	21 side	21 side

S Standard
 O Optional
 X Not available

	C3.38	C4.38	C3.44	C3.34	C4.34
Control panel	S	S	S	S	S
Waste water recirculation kit	O	O	O	O	O
Backing pads holder	X	8 pos.	X	X	8 pos.
Attachments (flutes/pads)	X	O	X	X	O
C-axis	X	S	X	X	S
Tool kits	S	S	S	S	S
Spindle axis tilting system	S	S	O	S	S

S Standard **O** Optional **X** Not available

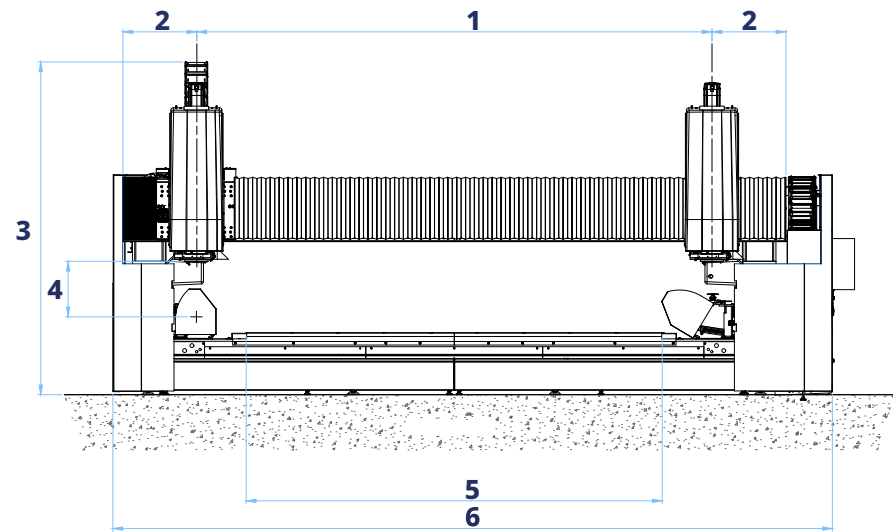
Layout



	C3.38	C4.38	C3.44	C3.34	C4.34
1	7000	7000	6950	7040	7040
2	4500	4500	4690	3520	3520
3	8150	8150	7420	6800	6800
4	600	600	560	600	600

All values are in **millimeters**

Layout



	C3.38	C4.38	C3.44	C3.34	C4.34
1	4600	4600	4400	4060	4060
2	660	660	640/880	590	590
3	3010	3010	2460	2620	2620
4	500	500	300	350	350
5	3700	3700	4250	3300	3300
6	6600	6600	6390	5770	5770

All values are in **millimeters**

Technical data

		C3.38	C4.38	C3.44	C3.34	C4.34
Interpolated axes	N°	3	4	3	3	4
X-axis stroke	mm	3800	3800	4400	3400	3400
X-axis max speed	m / min	0 - 75	0 - 75	0 - 75	0 - 75	0 - 75
Y-axis bridge stroke	mm	2000	2000	2600	1600	1600
Y-axis max speed	m / min	0 - 75	0 - 75	0 - 75	0 - 75	0 - 75
Z-axis head stroke	mm	500	500	300	350	350
Z-axis max speed	m / min	0 - 50	0 - 50	0 - 50	0 - 50	0 - 50
C-axis rotation (if present)	degrees	-	Infinite	-	-	Infinite
Worktable dimensions	mm	3700 x 1900	3700 x 1900	4300 x 2500	3300 x 1500	3300 x 1500
Worktable height from floor	mm	580	580	430	610	610
Electrospindle motor power ISO 40	kW	18 S6	18 S6	18 S6	18 S6	18 S6

		C3.38	C4.38	C3.44	C3.34	C4.34
Electrospindle nominal torque ISO 40	Nm	33 S6	33 S6	33 S6	33 S6	33 S6
Tool spindle speed range	Rpm	0-12000	0-12000	0-12000	0-12000	0-12000
Tool holder positions	N°	12+13 side 55 rear	12+13 side 55 rear	18+18 side	10+11 side	10+9 side
Clean water consumption	l/min	15	15	15	15	15
Recycled water consumption	l/min	50	50	50	50	50
Air consumption	NI/min	800	800	800	800	800
Standard electric voltage	V/Hz	400±10% / 50	400±10% / 50	400±10% / 50	400±10% / 50	400±10% / 50
Total installed power	kW	26	27	26	26	27
Machine dimensions (W/L/H)	mm	6600 (W) 4100 / 4700 (L) 3010(H)	6600 (W) 4100 / 4700 (L) 3010 (H)	6400 (W) 4150 (L) 2500 (H)	2800 (W) 5800 (L) 2650 (H)	2800 (W) 5800 (L) 2650 (H)
Machine weight	kg	6300 6900	6300 6900	6200	4800	4800

Software

Donatoni Digital Suite

Over the years, DONATONI has developed a suite of software and platforms that interact and support customers toward **complete process automation and digitization**.

The aim is to harmonize all digital tools to make **daily operations simpler and more efficient**.

EASYSTONE

Easystone is the CAD/CAM software developed for stone processing.

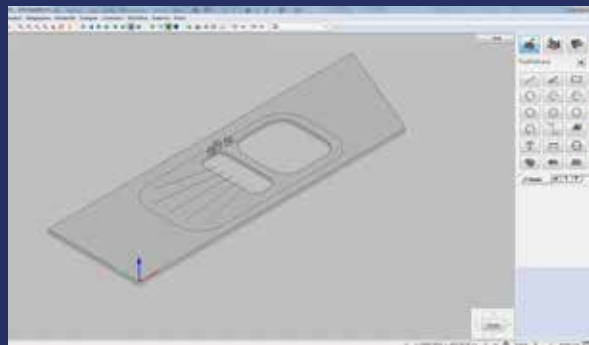
Simple and intuitive:

All functions are just a click away and usable even by users without IT knowledge. Allows designing/importing of 2D/3D files in multiple formats or **surface scanning via laser**.

Ongoing updates and new features

An always **up-to-date platform** is essential to stay competitive.

Just as important is access to Donatoni's technicians and dedicated training and consulting services.



Why choose Easystone?

- Complete programs for design, programming, and processing
- Extensive function library
- Simplified 2D and 3D design
- Stone industry-specific software
- Training by CAD-CAM experts
- Fast, competent assistance—even remote

Continuous innovation and expert support

Thanks to the collaboration with the supplier, the software is regularly improved with new features to meet the needs of the sector.

Donatoni provides its technical consultancy to allow the customer to access the available updates and, upon request, offers a dedicated training service.

D-MES

DONATONI MES is the first MES system on the market **designed and developed exclusively for stone fabricators.**

DONATONI MES is not just software: it is a complete MES (Manufacturing Execution System) capable of managing and scheduling the entire workflow, starting from slab acquisition and cataloguing in the warehouse, up to the final piece processing, packing, and shipping.

Additionally, it includes instant reporting on work statistics, consumption reports, and final reports on production cycles.

Donatoni's D-MES offers a comprehensive solution to optimize production management, improve process traceability, and integrate all company departments into a single workflow.



What needs does D-MES address?

- Support for cost estimating thanks to the ability to program the entire production cycle
- Real-time and post-process production monitoring
- Management of slabs available in the warehouse, complete with all characteristics, dimensions, and any associated job order
- Optimization of cut-offs and their reuse
- All production files—from the order in the ERP system to the cut and machining programs—managed in a single database

D-PORTAL

D-Portal is an exclusive, completely free platform designed for Donatoni customers. Through D-Portal, users can access all documentation related to their Donatoni machines, including manuals, electrical diagrams, CE declarations, and layout drawings.

In the Interactive Manuals section, machine information is easily accessible and enriched with an interactive spare parts catalogue. The platform also features a collection of short video tutorials covering maintenance and machine programming tasks, helping operators independently resolve common operational questions.

Finally, D-Portal allows users to open support tickets directly, ensuring fast and efficient customer service.



Donatoni Service

Specialized Support and Rapid Solutions to Maximize Machine and Plant Efficiency.

Support

For any need, our customer service department can be contacted to promptly identify and resolve any issue, offering the fastest and most effective solution. Our support team is always available to assist customers with all aspects related to machine functionality.

Tel. +39 - 045 6862899

From Monday to Friday, 7.30-18.30

Saturday 8.00 - 12.00

(UTC +1 CET – Central European Time)

For assistance and support



assistenza@donatonimacchine.eu
service@donatonimacchine.eu

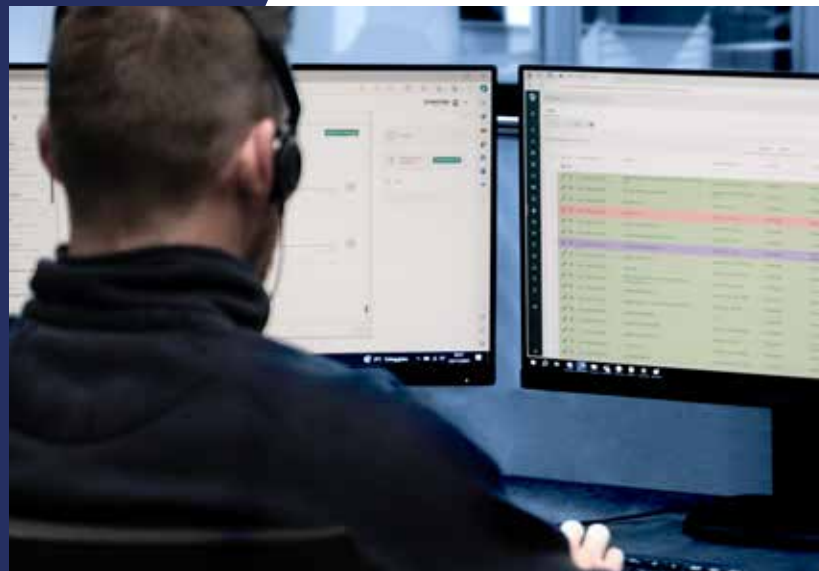
Whatsapp: + 39 0457740052

Telegram: @donatonimacchine_bot

Spare parts service



ricambi@donatonimacchine.eu
parts@donatonimacchine.eu



DONATONI MACCHINE SRL

T +39 045 686 28 99

M assistenza@donatonimacchine.eu

Maintenance

Donatoni's ordinary and extraordinary maintenance service is entrusted to our specialized technicians, who ensure long-term reliability and efficiency of our customers' machines, both in Italy and abroad.

Our highly qualified experts are trained to quickly identify and resolve faults, optimizing response times and ensuring longer life for machines and systems.

Installation and more

Donatoni Service is not only support—it also includes installation, commissioning, and training on machines and systems.

Our highly qualified technicians assist customers through every phase, ensuring a smooth start-up and providing comprehensive training to guarantee optimal and independent use of the technologies.



DONATONI AMERICA Inc.

T +1 3367905056

M service@donatoniamerica.com

DONATONI DEUTSCHLAND GmbH

T +49 0821 207176-0

M service@donatonideutschland.de

DONATONI ESPAÑA

T +34 919032479

M service@donatoniespana.es

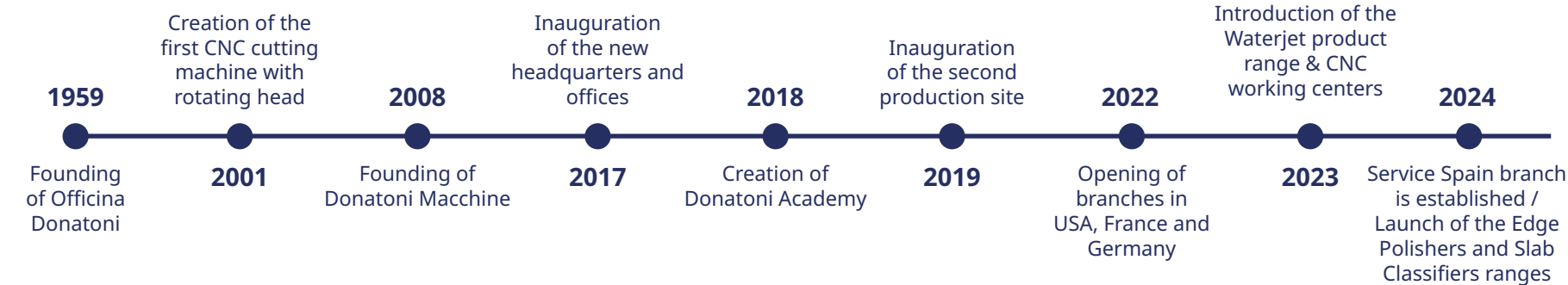
Donatoni Group

Donatoni Group stems from a **long-standing experience** that began in the late 1950s and has since evolved within the stone processing industry.

Today, it is recognized as one of the world's leading companies in the production of high-quality machinery for stone processing.

Ongoing research, technological innovation, and a strong focus on customer service are the pillars on which the company is founded. A highly qualified team ensures that customers receive products that fully meet their expectations in terms of quality and performance.

Supporting its global growth, **Donatoni Group** is present in international markets through a network of agents and direct branches.



Donatoni Academy

Training as a tool for success

Since 2018, Donatoni Academy has supported professionals in the stone industry by offering continuous training on new technologies for marble processing. The Academy combines traditional know-how with innovation, offering both practical and theoretical courses on Donatoni machines and software, and more. Training for CNC operators ensures customers receive complete and qualified preparation to face the challenges of the sector.

Contacts:

info@donatoniacademy.eu

Donatoni Showroom

A space dedicated to the customer

The Donatoni Machine showroom is always available to customers for private demos, refresher courses, and in-depth training on the use of Donatoni machines and software. It also offers customized machining tests and specific consultations on materials and special requests. An excellent service that provides a valuable opportunity to explore the machines' features in detail and optimize production processes through hands-on sessions and personalized consulting.

Contacts:

showroom@donatonimacchine.eu





Donatoni Machine Srl reserves the right to make any technical modifications to its machines that it deems, at its sole discretion, to be improvements. Therefore, all information, data, or images included in this catalog are for indicative purposes only and in no way constitute a contractual commitment by Donatoni Machine Srl.

Donatoni Machine srl

T +39 045 686 25 48
M info@donatongroup.com

Via Napoleone, 14
37015 Sant'Ambrogio di Valpolicella (VR)
ITALY

Donatoni America Inc

T +1 3367904910
M info@donatoniamerica.com

4214 Beechwood Dr, 104
27410 Greensboro, North Carolina
USA

Donatoni Deutschland GmbH

T +49 (0)821-207176-0
M info@donatonideutschland.de

Am mittleren Moos, 39
86167 Augsburg
GERMANY

Donatoni France EURL

M commercial@donatonifrance.fr

33 Rue de la Republique, Allé B
69002 Lyon
FRANCE

donatongroup.com

