

Fine Jewelry with computer-aided design **A CHANGING WORLD!**

*Digital towards jewelry creation and manufacturing
at the core of your intuition and emotions*

Since 1987, Multistation SAS has integrated comprehensive solutions related to digital manufacturing. We are your partner at every stage: shaping, creating, modeling and crafting all your jewels. Computer-aided design software, rapid prototyping, milling, 3D digitization and printing, laser engraving and welding, metal additive manufacturing...

We were the first to trivialize the use of these digital techniques in the workshops while making them widely available.



DESIGN SOFTWARE

The starting point of any digital manufacture is digital creation. You can choose:

- ➔ to manually enter a model and ask a modelling specialist to "translate it digitally",
- ➔ to scan in 3D an existing physical model and obtain a "digital copy" with or without modification,
- ➔ to «shop» in the database of royalty-free existing models, or use a computer-aided design software and sign your own projects as Evolve software.

Whichever method is chosen, you will need to check, optimize and maybe repair your files before achieving them, and this should be done with Netfabb software.

We support our new users via custom trainings in the use of this software. Demonstration upon request.



MILLING

From the desktop miller to 3-axis desktop milling machines with a 150 watt-pin for single machining of soft material to the 5-axis machining device (milling, engraving...) for hard material from KERN, the German manufacturer, we will analyze your specifications and offer the most suitable milling solution.



3D PRINTING

High precision wax printer

Solidscape® is the worldwide market leader specialized in the fabrication of additive manufacturing machines of wax parts designed for low-wax casting processes.

Solidscape® machines print parts with true proprietary wax acclaimed by all precious metal founders, both for their casting convenience and the ensuing results, all impeccable in terms of surface finish and geometrical compliance with the CAD model.

Small 3D visual display printers for presentation models

Printers depositing layers of melted plastic, powder, stereolithography, etc...

Multistation offers a wide range of printer models designed to visualize presentation models. From the model to be assembled to the industrial model, we will provide a solution for your application!

Solidscape®
High Precision 3D Printers



3D DIGITIZING SYSTEMS

High precision SOLUTIONIX 3D Scanner

Solutionix is a renowned expert in 3D digitizing in the industrial and medical sectors.

With the advent of Rexscan DS2.5, Solutionix has positioned itself on the market of Fine jewelry: 5 MegaPixels cameras and resolution between 4 and 6µm!



DAVID SCANNER SLS2

The precision of the structured-light scan finally available to everyone.

New

High precision 3D scanner for polish and semi-polish stones (provide 3D file and complete analysis of the stone's quality).



LASER ENGRAVING AND WELDING:

Lasers can be used in a number of ways, they are adapted to fast engraving and lettering work, in high demand in the Fine Jewelry sector.

OR LASER diode laser engraving station

OR laser is an experienced manufacturer of laser equipment: manual or mobile lasers, lettering lasers, CNC lasers systems with monitoring processes...

OR LASER laser welding machines

Welding with laser deposits is used to finish surfaces while depositing a filling powder material on an existing component.

OR LASER laser systems allow for welding precision per item or area to the nearest tenth of a millimeter, with a light mechanical and thermal load for sensitive parts. Optimal result with no discoloration, welding spot or indentors, no more defects in terms of physical or optical quality and in-depth after-treatment.

FEMTO laser engraving and micromachining

Micromachining, thanks to Femto second lasers, provides high-precision solutions for the production of high value-added parts (decoration, drilling, texture mapping...)

Laser micromachining offers several advantages:

- ➔ Treatment of products without contact or area affected thermally,
- ➔ No mechanical or thermal stress,
- ➔ No tool wear, hence a drop in maintenance costs,
- ➔ Extremely precise machining with ultra-short laser,
- ➔ Cutting of complex parts,
- ➔ Exceptional quality results on all types of materials, whether or not conductive.



DUPLICATION THROUGH CASTING AND VACUUM CASTING:

Vacuum casting

A wide range of vacuum casting machines from the CSV-Mini to manufacture small parts up to the CSV-1500 with a 1200 x 1600 x 1000 mm casting chamber to duplicate serial parts.



Casting

PROFICAST comprehensive casting chain: coating, annealing furnace, vacuum die casting unit, shake-out unit..



Multistation-Second Life



Second-hand equipment entirely retrofitted by MULTISTATION

- ➔ Second-hand rapid prototyping, milling or 3D digitizing machines.
- ➔ For several years, to meet the demands of our customers, we have provided a return, exchange, upgrade service, in order to ensure your investment, mitigate the risk in the events of development of your business activity, market turnarounds, so as to create a true reliable partner relationship between us. In confidence, naturally.





Gold Winner BaselWorld Solidscape® Design Competition 2013 - DFS - Alain Dinant

MULTISTATION ALSO OFFERS:

Audit, initiation, training

Our engineers can provide an audit of the techniques currently used in your workshop and carry out an assessment. What is the state of the art of your technicians, what are the skills required to implement these new technologies? We can also arrange a machine presentation, manufacture test parts in order to provide you with the complete manufacturing cycle.

Multistation, a vocational training center, offers trainings on the use of design software and machines provided, as well as operators and maintenance trainings.

Leasing

Financial lease - standard lease - operating lease. Our leasing service is available for all specific studies: conventional lease for periods up to 3,4 or 5 years, but also operating lease for a period of less than 12 months: this system allows you to test the technology "in situ" without taking any long-term risks. Agreement after case review. Confidentiality guaranteed. *Special SERENITY contract: warranty and consumable included.*

After sale service

Available all over France, technicians for entry into operation, installation, operators training and maintenance, repair contracts... Multistation has been a reliable partner for the last 25 years. *Special Back-Up contract: Production Insurance in case of machine down-time.*

The Proto3DShop in Paris Montparnasse

The PROTO3DSHOP presents, in an exhibition room located in Paris Montparnasse, the latest 3D technologies: a choice of 3D printers of different processes and materials, 3D scanners, milling machines, vacuum casting machines, rapid casting, laser cutting machines, examples of parts fabricated with metal additive manufacturing systems, CAD software and software programs (architectural structure design - lattice type)...

An E SHOP www.proto3Dshop.com

Shop from home! On our new E SHOP, you can directly order your machines and consumables; happiness is just a click away! www.proto3Dshop.com

Since 1987, Multistation has also provided a comprehensive range of machines: metal additive manufacturing equipment, rapid casting machines, complex machine-tools, machines for the industrialization of composite materials.

 **multistation**

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