

# Digital and additive manufacturing

**Microfactories**  
3D devices for fablabs  
and academic



Photo Leapfrog

**Non metal additive  
manufacturing**  
Composite, Plastic, Ceramic, Silicone



Photo SolidScape®

**Metal additive  
manufacturing**  
DED, Binder Jetting, SLM, Hybrid & Mobile



**Machine tools and  
composite industrialization**



**ADDITIV3X**  
explain - explore - experiment

**Consulting,  
Services &  
trainings**

## Applications:

Aerospace, defense, automotive, railways, shipyards, power generation, composites, engineering, manufacturing, medical, dental, jewelry, academic, consumer goods...

## New and second hand machines supplier:

Training, after-sales service, maintenance, purchase, sales, rental, financial engineering.  
Confidential marketplace for second hand industrial equipment.

## Consulting and services ADDITIV3X:

Integration of additive manufacturing technologies, technical diagnosis, Feasability studies, proofs of concept, demonstrations, benchmarking, workshop, digital library, spare parts eligible to AM...

# Microfactories

## 3D devices for fablabs, designers and academic

Comprehensive range of validated, tested and guaranteed rapid prototyping equipment maintained by our team: machines available stand alone or delivered by (container) package with tutorials and full service guarantee and maintenance.

E-SHOP: [www.lecomptoir3d.com](http://www.lecomptoir3d.com)

### Turn-key Fablab

A wide range of machines

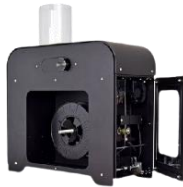
Digital production workshop delivered to your workshop or delivered in a container



### 3D printers

FDM, stereolithography, DLP, SLS...

**3devo**  
filament recycling



**RAISE3D**  
FDM 3D printer



and also: Flashforge, Zortrax, Cubicon, Bofa...

### 3D scanners

Structured light and laser

**multiscan**



For jewelry and small pieces

**3D VOK**



Hand-held mobile scanner

### For makers and co workers



Multi-Water Jet



CO2 laser cutting



Vacuum casting



Sharebot

**STEPCRAFT**



Stepcraft : CNC router

Also, production line of extruded filament, laser engraving machine, embroidery, vinyl cutting, water or hot wire cutting, desktop milling machine, thermoforming machine, router...

All these machines presented in our new demo center in Saint-Malo.

## Non metal additive manufacturing

Resins, high performance polymers, wax, ceramic and composites

### Jewelry and wax



Solidscape: range S300, Muse Flashforge

### Imprimantes 3D FDM de grandes dimensions



**bigrep**

### Ceramic



ADMATEC: DLP resin + ceramic powder

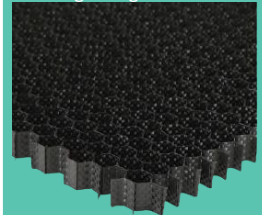
### Thermoplastics pellets



CARACOL: thermoplastic 3D printing on robots

## Materials

Honeycomb and lightweight structure

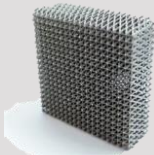


sandwich panels and standard honeycomb core products, but also complete customized hybrid assemblies.

# Additive manufacturing

## Different complementary metal processes

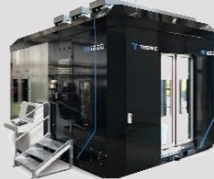
Selective Laser Melting : Sharebot, Profeta, large size BLT  
Micro laser sintering : 3D micro Print, One Click Metal



WAAM  
Plasma Arc SBI



TITOMIC: Kinetic Fusion  
Additive Manufacturing « COLD  
SPRAY » technology



## Hybrid or Mobile



METROM  
Hybrid multi-process Metrom :  
5A milling, WAAM, LMD, thermoplastic  
printing...

3D LAB  
Ultrasonic atomizers small batch



MELTIO M450, M600



Robot Cell Laser Wire  
or Meltio M450

EXONE  
sand powder binder jetting



For sand casting foundries or Binder Jetting

## Metal powder



## Post traitement

Finishing milling



KERN Micro Solution

Heat treatment Furnaces



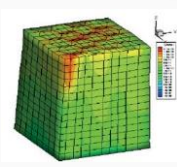
Fusion Factory from XERION:  
Integrated AM solution for  
complex metal and ceramic parts

## DFAM, design for additive manufacturability, complete software suite from design to manufacturing

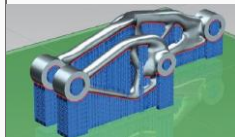
Topology optimization & lattice  
structures generation



Simulation



Magics, Matrix Gold,  
Germvision



## ADDITIV3X Consulting, Services & Trainings

explain - explore - experiment

Our consulting, services and training programs support our customers  
throughout their additive manufacturing journey.

Use cases  
identification



Pilot projects



Trainings



Services:  
3D scanning, design &  
manufacturing. Manufacturing of  
POC (proof of concept)  
all processes



Health, safety  
and environment

ADDITIV3X  
explain - explore - experiment

We support you for a successful implementation of additive manufacturing processes in your company. We offer in partnership with engineering companies the services to identify the most relevant use cases, we identify with you which of your parts are eligible for additive manufacturing, we optimize the design.

### Secure your investments !

ADDITIV3X helps you define your specifications and qualify the applications, materials and processes upstream of an investment in a software or a machine. With ADDITIV3X, you outsource technology watch, R & D and production in additive manufacturing.

# Machine tools and industrial equipment

Multistation delivers since 1987 complex and heavy machine tools for different niches.

## Aerospace machines



- Large-size manufacturing of aerostructures and sections
- HAMUEL: Manufacturing of engine parts, blades, blisks machining or compressor wheels
- LOCH: deep drilling and boring

## Composites



**Eastman®**

- EASTMAN textile cutting
- LT MACHINES: heat & vacuum applicators, hot drape formers
- Automated Fiber or tape Placement CONBILITY

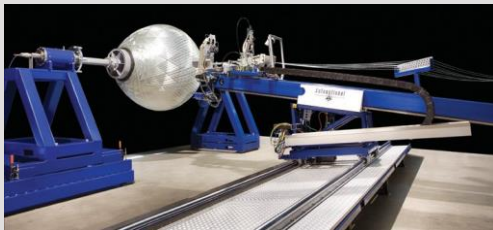
## Heavy duty machine tools

**WALDRICH COBURG**



- Large milling gantry and vertical lathes WALDRICH COBURG
- MIBA special mobile machines
- Vertical Lathes MARIO CARNAGHI
- MIKROMAT 5-axis gantry milling machine
- SAFOP horizontal lathe

## Composites



- Filament winding
- Autoclave for composites PANINI
- CEVOTEC Fiber Patch Placement | Flexible lay-up technology

## High precision

**Finepart**  
Sweden AB



- FINEPART: High precision waterjet cutting system
- WATERJET : Large format waterjet machine
- Micromachining KERN
- Grinding machines MIKROMAT

## Railways maintenance

- Wheel lathe

**SAFOP**

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## Digital and additive manufacturing machines by Multistation SECOND LIFE

International market place developed since 2002

[www.multistation.com/second-life/](http://www.multistation.com/second-life/)

Your partner in technology assets management: investments, misinvestments, desinvestments, production relocation, liquidations, auctions.

Brokerage activity, under confidentiality agreement

**Origin of machines:** worldwide machines manufacturers, European banks, leasing companies and leading firms in automotive, aircrafts industry, railways, universities...

Sales of used machines, plant transfers or workshop closing... Auction sales or private treaty Relocation.

Audit and Inspection of the machine - Diagnosis - Needs assessment - Benchmarking - Procurement - Renting - Logistic - Packing and transportation - Training - Technical support and maintenance - Financial engineering...



FORTUS 900



EOS M290