

# SUMIPARTS SAS

SUMINISTROS INDUSTRIALES

**AUTOMOTIVE**  
**INDUSTRIAL**  
**CONSTRUCTION**



# SUMIPARTS<sub>SAS</sub>

## ■ ABOUT US

At SUMIPARTS S.A.S. We believe that your projects have to come true. We work together to provide technologies, tools and offer our best skills for the creation of our customer plans.

We supply all the industrial needs and we engage to come up with engineering process such as metalworking, plastic injection, extrusion, vulcanization and special developments.



## ■ OUR MISSION

We fabricate and supply a wide range of products and services, that we develop in multiple engineering process. Our customers are located in the automotive, industrial and construction sectors. We highlight our best quality standards, efficiency and timely delivery.

## ■ OUR VISION

By the year 2023, SUMIPARTS SAS will be recognized as a company that is positioned in a competitive market for the metal-working, plastic injection and extrusion, rubber extrusion and vulcanization sector. We will have a strong presence in North America and Latin America, providing our clients the work process excellence.

## ■ OUR CORE VALUES



### **TRUST**

Our customers preferences is our best rewards



### **INTEGRITY AND CREDIBILITY**

Our position is due to our customers, not ourselves.



### **OBJECTIVITY**

The growth and continuous improvements structuration is our base to provide the best service to our customers



### **SERVICE DEDICATION**

The quality and the compliance are our benchmark of business success



### **COMPROMISE**

Our national and international customers represent our main priority



# SUMIPARTS<sup>SAS</sup>

■ MACHINING  
LINE



We employ the best CNC process, therefore we can guarantee accuracy, high quality, and best performance in the products. We also highlight the importance of providing the customers our best work experience.



## ■ MACHINING LINE

The process is executed by the best CAD/CAM programmers and we specialize in special fabrication and high production volume.

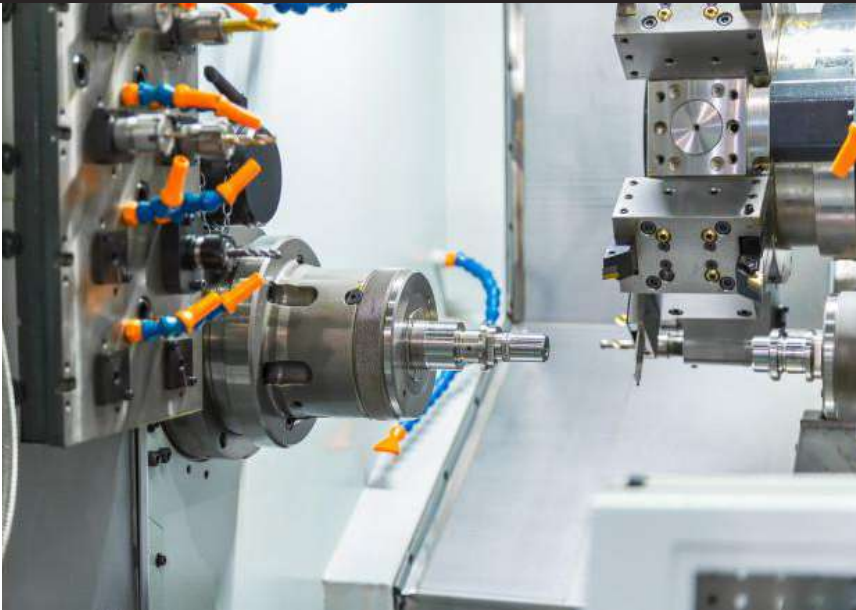
## ■ MILLING CAPACITY

We develop a high amount of operation that are automatized. Therefore it allow us to guarantee a high production volume.

## ■ SURFACE PROCESSES

The CNC milling machine allow us to get myriad kind of finishing processes on the machining process. The process is perfect to obtain a flat and accurate surface, even in pieces with complex geometries.





At Sumiparts SAS we follow carefully the required planification that is mandatory for all the products and pieces that will be machined, so we can develop the process following the highest quality standards and functionality.



## HIGH PRODUCTION VOLUME

The best benefits of the process are the possibility of keeping a continuous production of the pieces without risking the high quality standards, even for complex geometry pieces.

## WE ARE EXPERTS MATERIALS

- CARBON STEEL
- TOOL STEEL
- STAINLESS STEEL
- STEELS ALLOYS
- ENGINEERING PLASTICS
- BRONZE
- ALUMINUM
- DURALUMINUM
- NYLON / ACETAL
- UHMW

## CNC LATHE

The machining process is done by the revolution of the tool and the setting up of the control numeric computer, so we can be able to guarantee the accuracy of the products.



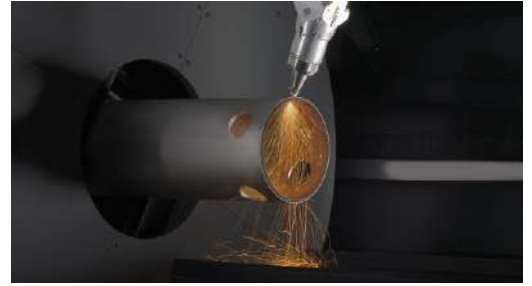
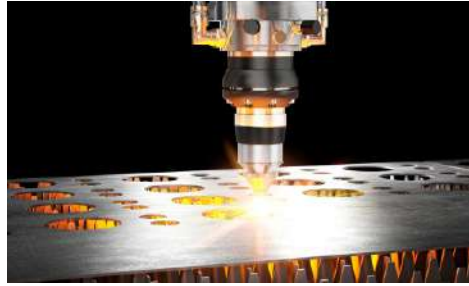


SUMIPARTS<sub>SAS</sub>

■ SHEET METAL  
LINE



High performance fiber optic laser cutting machine, that can work on stainless steel, carbon steel and aluminum. The process that Sumiparts SAS offer is the best in production time and sticking together with the accuracy and high-quality surfaces.



## CUT OF SHEET METAL USING AIR, OXYGEN AND NITROGEN



We follow your projects specifications.



Scan the code and find more about our Laser cutting machine





## MATERIAL OPTIMIZATION

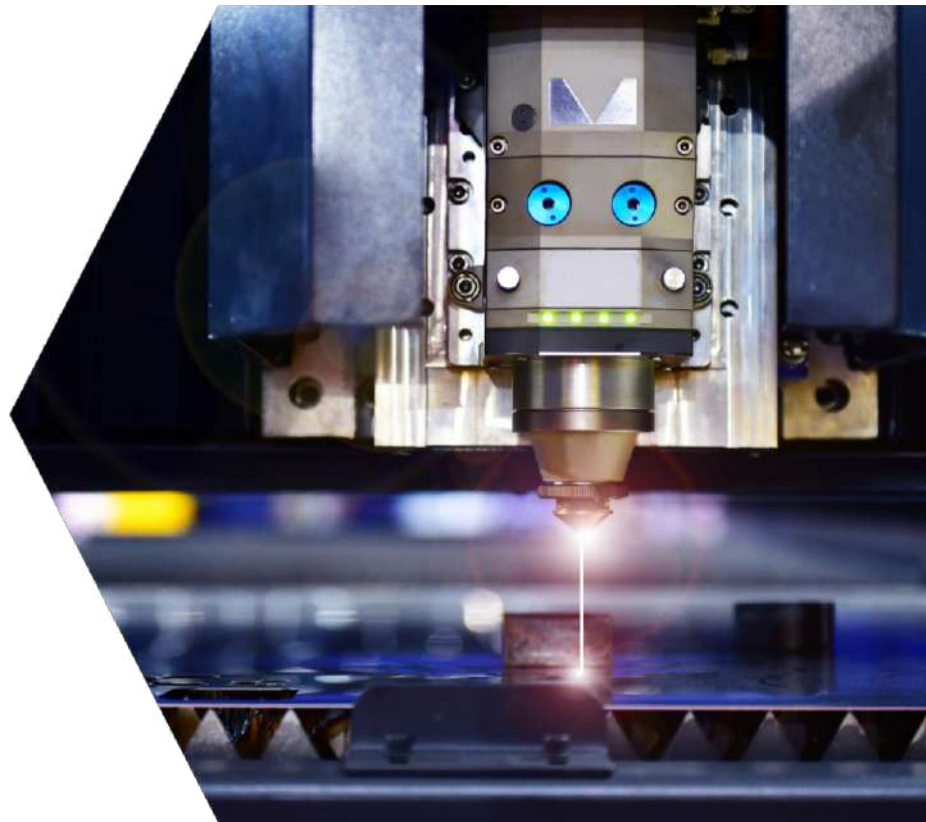


We always seek an edge in the consumption of our customer materials, looking for an efficiency in the economy of the projects.

## WORKING DIMENSIONS

We have the capacity to generate cuts for metal sheets of **1525 mm x 3400 mm** and a maximum thickness of **20 mm**

We also can cut metal tubes and pipes up to 8" of diameter.



### CUT CAPACITY

Max thickness

Max thickness

Stainless steel

12 mm

1/2"

Carbon steel

20 mm

13/16"

Aluminum

4 mm

3/16"

Tube diameter

20 - 200 mm

1/2" - 8"



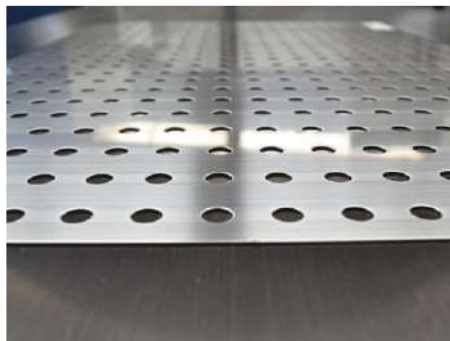
## ■ OPTIMIZATION OF THE CONSUMPTION

The CNC punching machine is a computerized procedure, where we can guarantee excellent final result with accuracy in many kind of sheet metal.

## ■ WE ARE EXPERTS MATERIALS

CARBON STEEL  
GALVANIZED STEEL  
STAINLESS STEEL  
STEELS ALLOYS  
ALUMINUM

The metalworking processes are always advised by the best design and technic teams. So it allow us to develop a better cut of the pieces that are desirable by our customers.

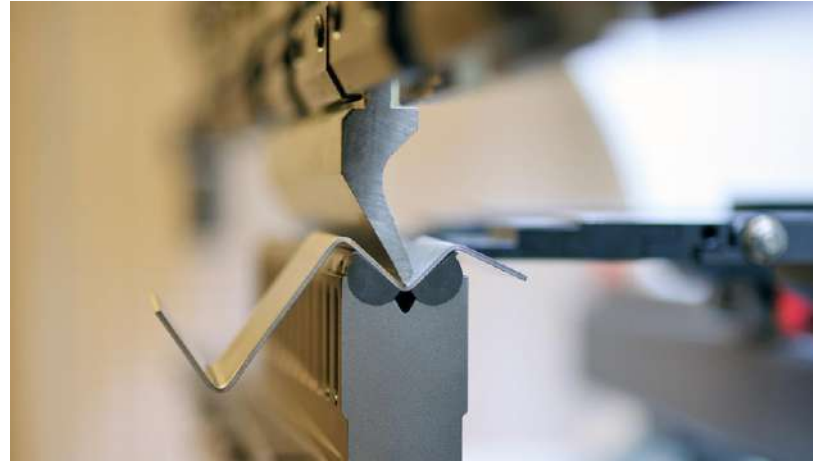


## ■ ADVANTAGES OF THE PROCESS

The process avoids scratches of the sheet and unnecessary displacements since the material flows in one only direction. We have up to 60 punches and matrices, thus allowing a large variety of cut geometries.

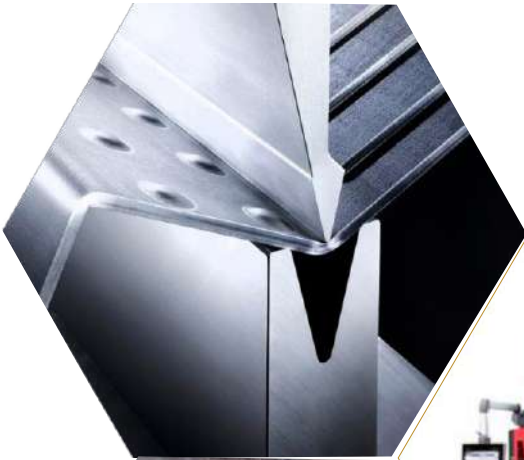
## ■ HIGH QUALITY AND FAST PRODUCTION

The main advantage of the process is the numeric control system (CNC) that conform parts with high degree of precision and excellent surface finishes.



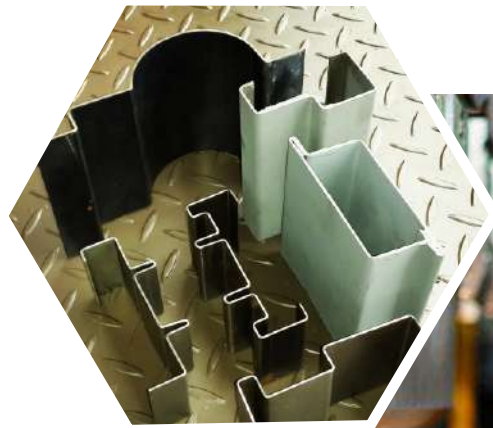
## ■ SHEET METAL BENDING AND SHEAR

We have specialized lines in sheet metal cutting and bending. All the projects are held with the advice of our professional. The bending and cutting consist in the modification of a sheet metal with special edges shapes and different geometries with high quality standards and high production volume.



## ■ IMPORTANT FACTORS

Our high quality standards can be proven with our large experience and knowledge we have for a successful bending of the sheet metal. The products will be free of scratches and keeping the original properties of the material.



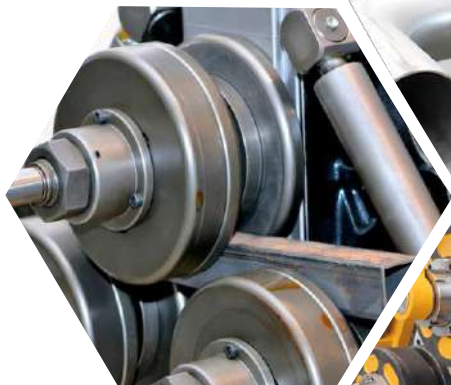




We have specialized lines in sheet cutting and bending. All the projects are held with the advice of our professional.

## TUBE AND PIPE PROCESS

BEND  
ROLLED  
DIE CUTTING



## BENDING AND ROLLING OF TUBES AND ANGLES

The bending of square tubes, angles and rod are one more process of Sumiparts SAS, which guarantee an excellent quality and precision.

We have the capacity to obtain every kind of bending, following the requirement of an engineering blueprint



## SHEET METAL ROLLING

The rolling of a sheet is a common process in the manufacturing of the steel tubes. It consist in a continuous process where the sheet and tube is subject to loads through the rolling machine





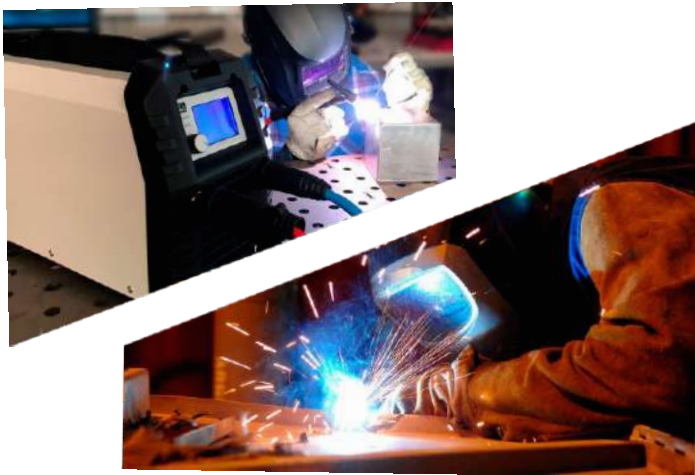
SUMIPARTS SAS

■ WELDING  
LINE

## ■ TIG WELDING

The TIG Welding uses a tungsten electrode with an alloy of zirconium and thorium.

We guarantee resistant operations, good ductility and less sensible to the corrosion



## ■ TIG WELDING

CARBON STEEL  
TOOL STEEL  
STAINLESS STEEL  
STEELS ALLOYS  
ALUMINUM  
BRONZE





## ■ CERTIFIED AND EXPERIENCED WELDERS



## ■ WELDING MIG/MAG

We work with the most qualified welders, who can accept all the customers challenges. That kind of welding is easy to work, where its adding material at high speed in every positions



## ■ MIG/MAG WELDING

CARBON STEEL  
ALUMINUM  
STAINLESS STEEL  
STEELS ALLOYS



## SHIELDED METAL ARC WELDING

We have available to our customers a shielded metal arc welding line for specialized projects. We work with experienced welders that can challenge any kind of process for the developing of the customers projects.



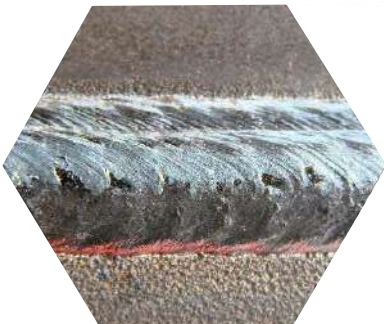
## MANUAL PROCESS

Nowadays the shielded metal arc welding is one of the most common process, where the main factor is its simplicity and low cost.

It is very practical and we can find a huge application field at various type of thickness.

## MATERIALS

CARBON STEEL  
STAINLESS STEEL





## ■ GAS WELDING

Specialized welding process for different materials, the advantage is a proper work of welding in small thickness pieces.

The welding process can have two types, the first one does not require the input of material, which is called autogeneous and the second type requires the input of materials for joining two metal pieces.



## ■ MATERIALS EXPERTS

CARBON STEEL  
TOOL STEEL  
STAINLESS STEEL  
STEELS ALLOYS  
ALUMINUM  
COPPER





SUMIPARTS SAS

■ PLASTIC  
LINE



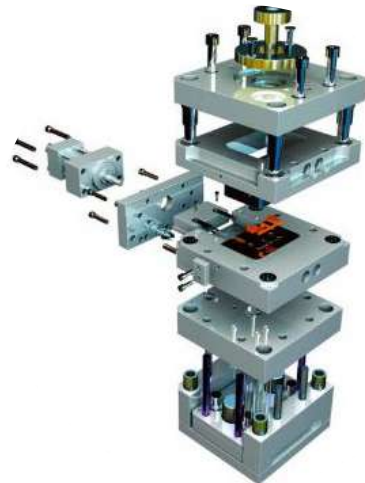
## ■ PLASTIC INJECTION

We are the best in the process of plastic injection. At Sumiparts SAS our customer will find our large experience in the conformation of every kind of polymers and resins.

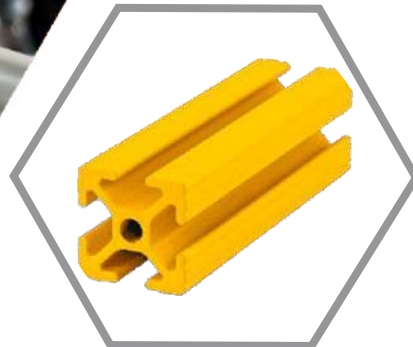
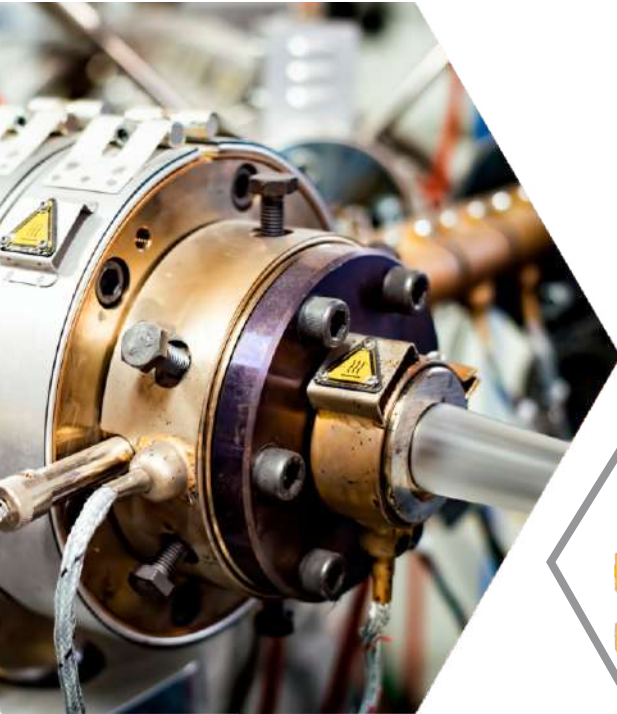


## ■ PLASTIC INJECTION

- PE
- PC
- PP
- Nylon
- TPU
- TPE
- HIPS
- POM







## ■ PLASTIC EXTRUSION

At Sumiparts SAS we have the best extrusion machine and qualified operators, so the developing of the process can be easy for us. The process consist of giving a defined shape to the plastic by using pressure thrust and melting temperature.

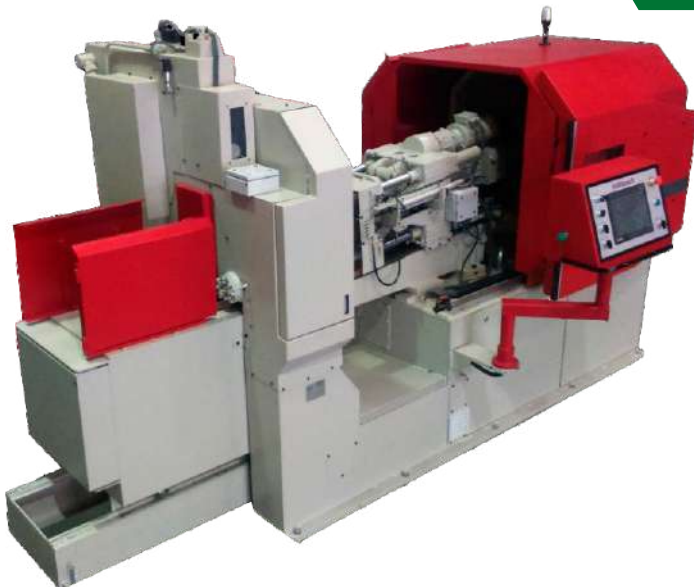
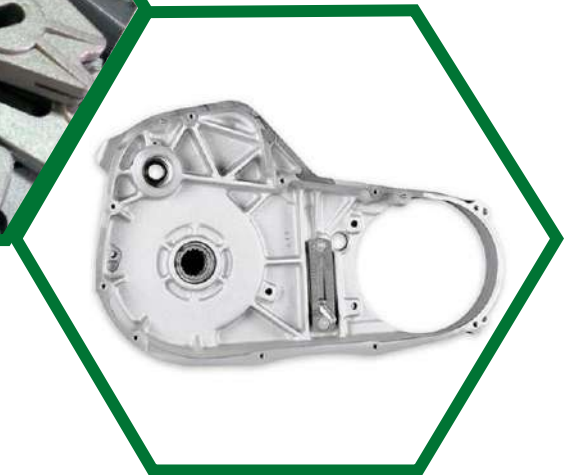
PVC  
PE  
ABS  
PP  
Nylon  
HIPS  
PMMA  
PS

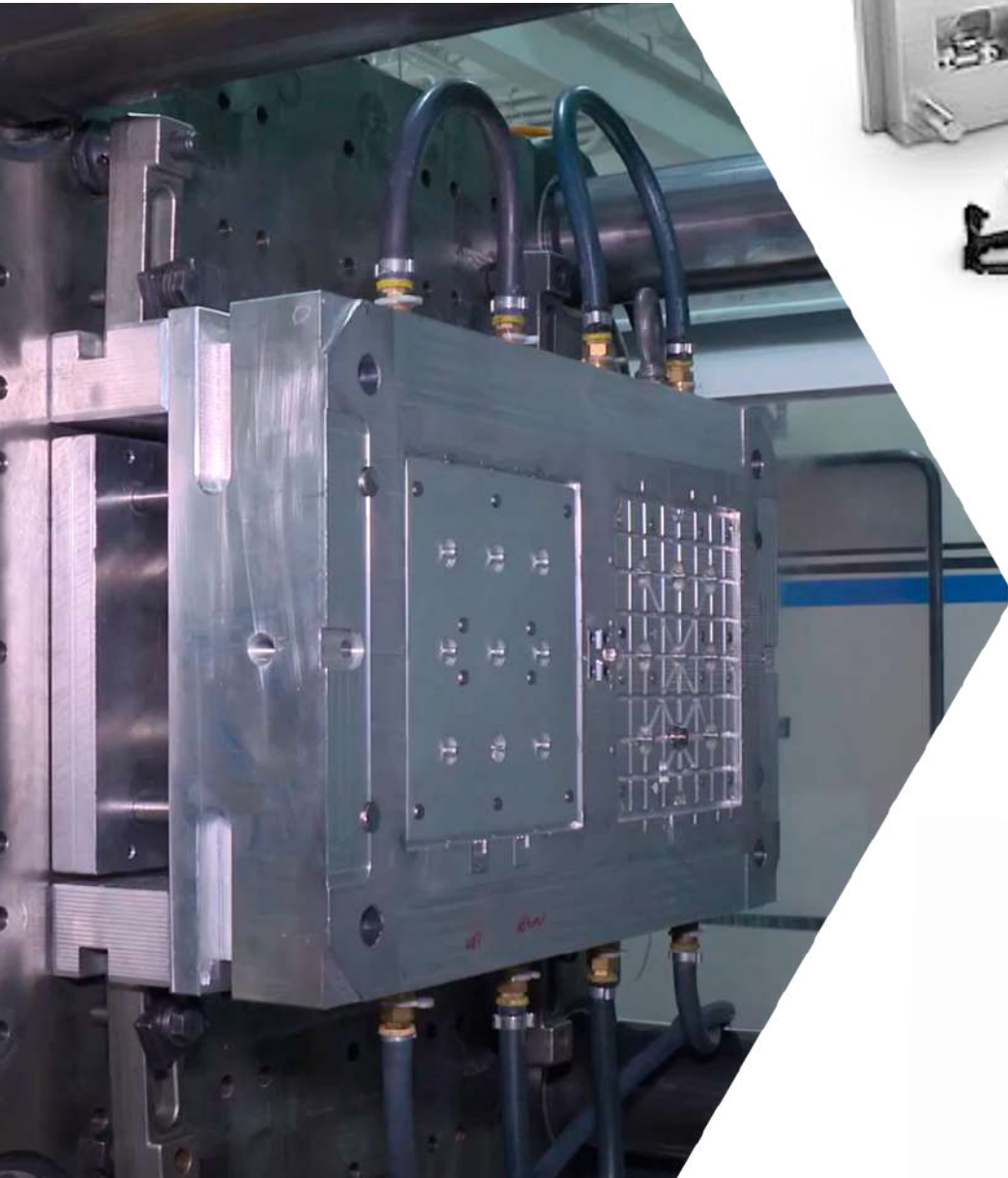




The injection of aluminum and zamak as well as other metals have a similar process to plastic injection. Which consist of a process manufacturing a little more rigorous, since the state of the material to be melted must be in ideal conditions to be fed into the cavities of the mold.

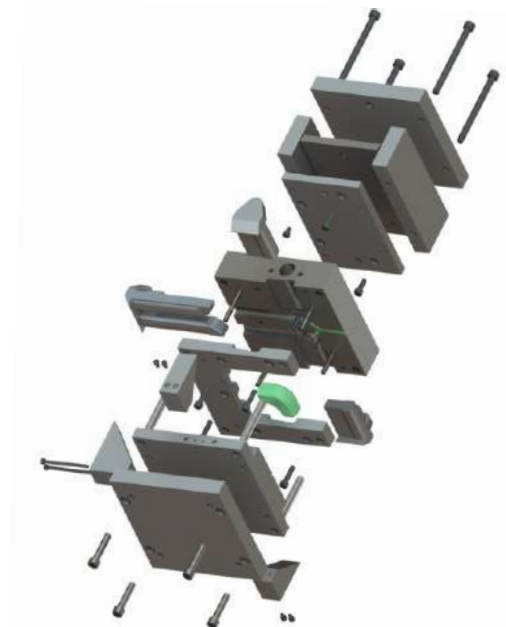
In this technique, the mold is not destroyed for every injection, therefore it is permanent and develop special metal properties in the new pieces.

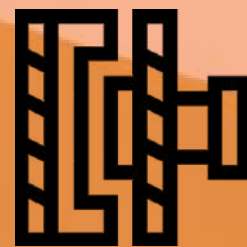




## ■ PLASTIC INJECTION MOLD

At Sumiparts SAS we offer a complete service of the plastic injection process, where we can develop the design and machinery of the mold, considering the engineering blueprint.





SUMIPARTS<sub>SAS</sub>

■ RUBBER  
LINE





## RUBBER EXTRUSION

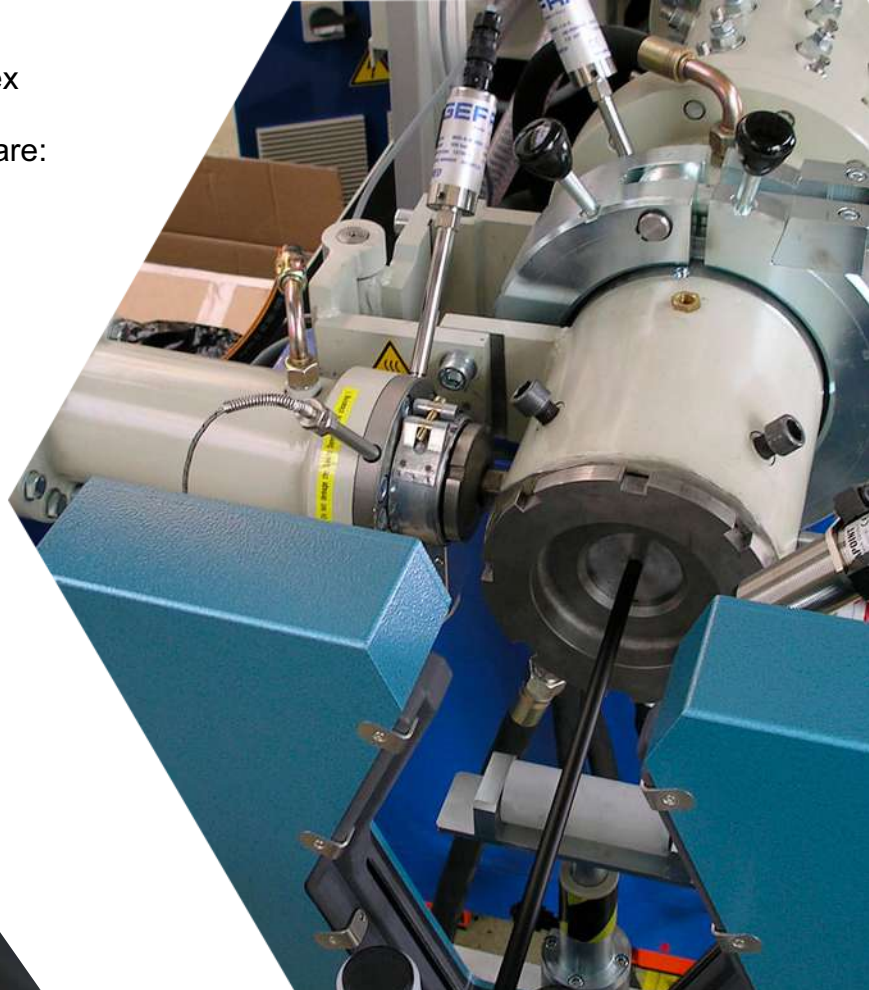
At Sumiparts SAS, we have processes, machinery and a wide experience to generate a well-done rubber extrusion.

We guarantee different aspects that make up the quality material such hardness, mechanical resistance, index of elasticity and consistency.

The advantages of extrusion process are:

- Complex geometries.**
- Low cost process**
- Continuous process**

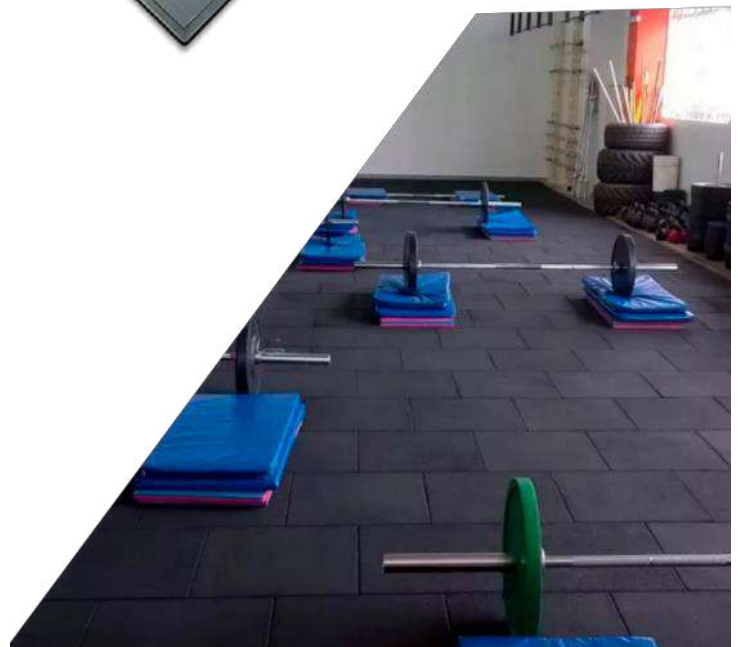
SBR  
EPDM, EP, EPT  
FLUORELASTOMER/ FKM o Viton  
NEOPREN (CR)  
NBR  
POLISOPREN  
SILICON  
TPU  
SPONGE RUBBER





## ■ RUBBER VULCANIZATION

- Wide margins of hardness from 35 to 90 shore "A" increasing shrinkage margins and elastomers memory
- Myriad of compression load of the object, taking care of the type of material, hardness, and applicability
- Does not have plastic deformation.
- Different mechanic resistance
- High fluency standards
- Multiple colors and finishing.







SUMIPARTS<sub>SAS</sub>

■ FINISHING PROCESSES  
LINE



## STAINLESS STEEL PASSIVATION

Higher surface protection against corrosion  
Clean the surface against contaminant agents.  
By far a better cleaning facilities  
Efficcient cape of surface protection barrier



## ELECTROPOLISHING

More resistant against corrosion  
Decrease the tendency of liquids and solids to adhere to the surface  
Adapt to complex geometries  
Can reach difficult areas  
It avoids the coloration done by the warming up  
Uniform surface without scratches

## BEST MATERIALS

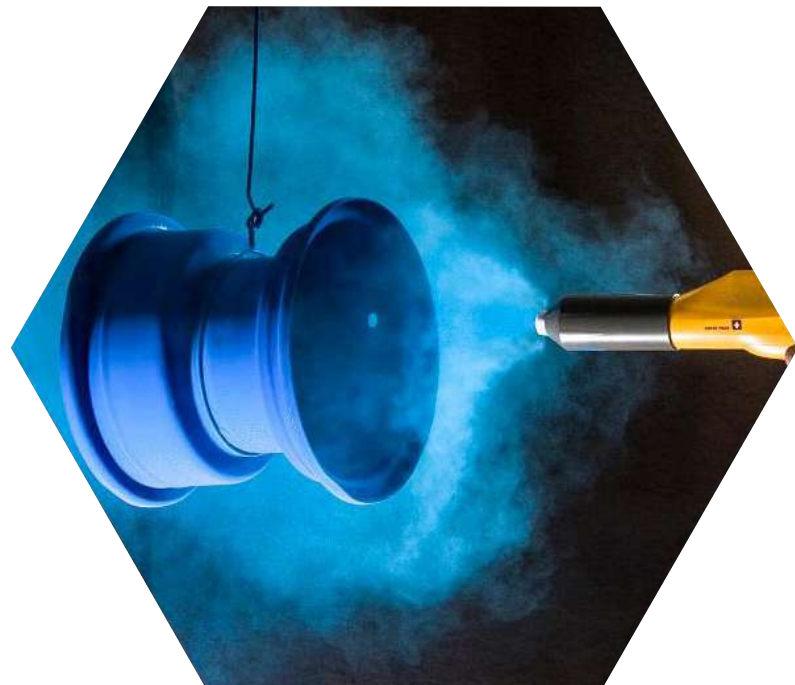
CARBON STEEL  
STAINLESS STEEL  
ALUMINUM  
COPPER  
BRONZE  
GALVANIZED





## ELECTROSTATIC PAINTING

Recover all the surfaces  
Low cost process  
The thickness of the process is homogenous  
The process does not require anticorrosion painting  
The painting always keeps on the surface



## SANDBLASTING

Eliminates the corrosion  
The process can reach difficult areas

The process does not wear off the surface of the material  
Provide a flat surface for new recover process

## BEST MATERIALS

CARBON STEEL  
STAINLESS STEEL  
ALUMINUM  
COPPER  
BRONZE  
GALVANIZED



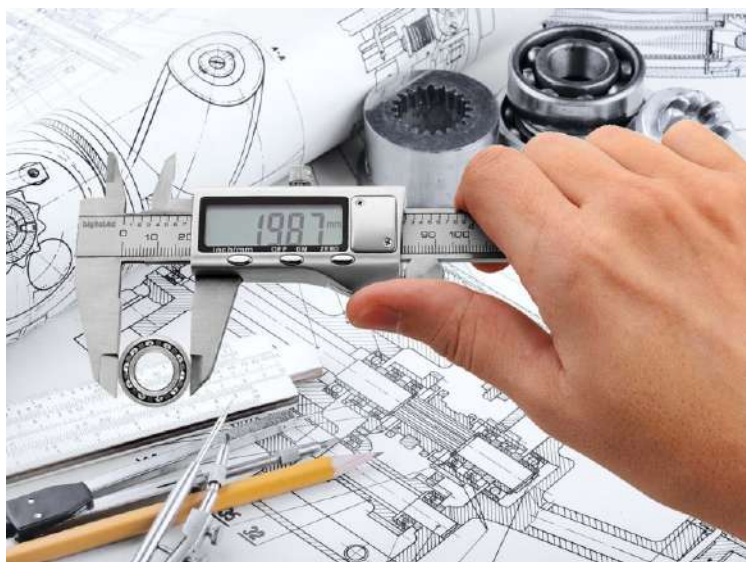


SUMIPARTS<sub>SAS</sub>



■ I+D+I  
LINE

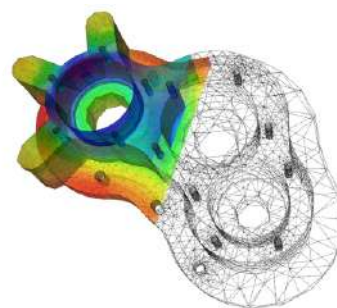




■ **SPECIAL DEVELOPMENTS**

■ The design and developing of the projects are the main base for a successful product fabrication. Therefore, the innovation, control and developing of brand new ideas have become a key factor for a successful company.

Sumiparts SAS specialize in the design and developing of products for multiple market line that can be found in the metallurgical, automotive and construction field.



■ **We are specialists in Engineering and Production**

 AUTOMOTIVE LINE

 INDUSTRY LINE

 CONSTRUCTION LINE

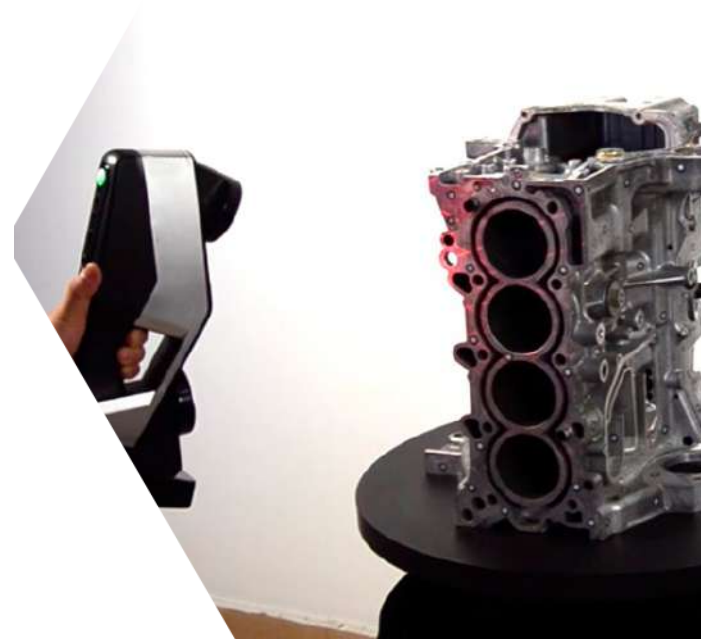
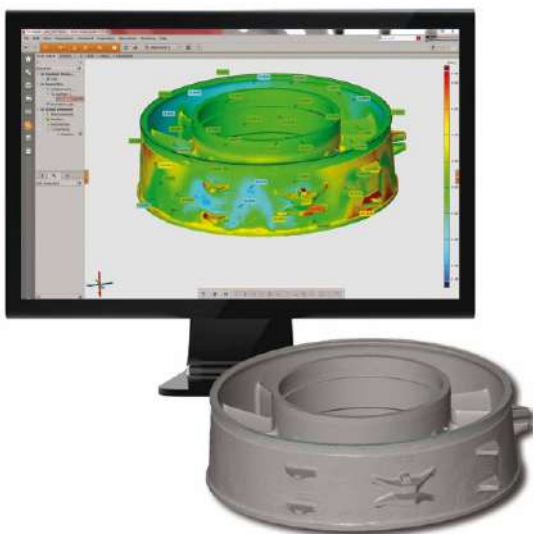


## ADVANCED 3D SCANNING

- Reverse engineering
- Improving the product design
- Developing complex design
- The study of the material composition
- Quality control

## 3D SCANNING

The 3D scanning system is a tool available to our customers for the developing of inverse engineering, where we can understand the functionality of the pieces and modify or improve the design.





## 3D PRINTING

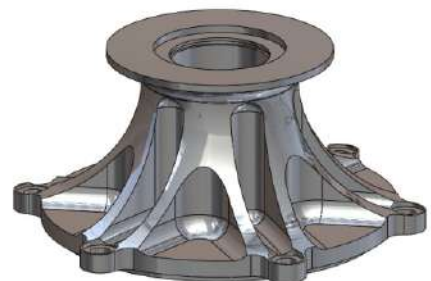


## HIGH QUALITY



Through the 3D Printing, our customer can generate objects with difficult geometries to identify the properties when is about to create a mold for plastic injection.

It is the best option to solve all the variable such as production cost and researching od prototypes.



MAIN OFFICES

PLANTA METELMECÁNICA,

PLÁSTICOS Y CAUCHOS

Calle 9 No. 34 - 94

Bogotá – Colombia

Pbx: (+57) 1 748 22 13

Cel: (+57) 318 728 77 21

info@sumiparts.com

OFFICE OFFSHORE

Calle 48 No. 9 - 20

Pereira – Colombia

Pbx: (+57) 1 748 22 13

Cel: (+57) 316 722 39 75

info@sumiparts.com

