

**HAMILTON** 



**High Precision  
CNC Machining**

# About us

Hamilton Central Europe started its activity in Romania in 2013, becoming the second country in Europe, after Switzerland, in which Hamilton has a production plant, and the only company in Romania specialized in the production of microliter syringes.



## Technologies

Hamilton manufactures high-tech products and produces a large number of the components itself.

All the equipment used is cutting-edge and, together with a qualified, extremely dedicated, responsible team who are passionate about precision and performance, we manage to produce high precision parts that meet the most demanding quality standards.

An investment of over 4.5 million in the High Precision CNC Machining department, made until 2022, has proven to be a real success.



**More Information:**

[contact.hce.ro@hamilton-ce.com](mailto:contact.hce.ro@hamilton-ce.com)



# Capabilities

## Processing

Hamilton's High Precision CNC Machining Department provides a variety of precision CNC machining services including turning, milling and grinding. With high-end CNC machining equipment combined with other advanced capabilities and our experienced team, we can handle all types of CNC machining parts in both metal and plastic.

### CNC Turning

11 x Sliding Head



Star SR-32JII Type B  
8 axis  
Swiss-Type



Star SR-32JII Type A  
7 axis  
Swiss-Type



Tornos CT-20  
7 axis  
Swiss-Type



Cincom Citizen L20E-2M8  
(Type VIII)  
7 axis  
Swiss-Type



Star SB-12R Type GB  
7 axis  
Swiss-Type

2 x Fixed Head



Nakamura WT250II MMY  
8 axis  
Turning Center



Nakamura TW-20 MMY  
7 axis  
Turning Center

Maxim diameter  $\varnothing$  32

Maxim diameter  $\varnothing$  60

### 6 x CNC Milling



Okuma Genos M460V-5AX  
5 axis



Fanuc ROBODRILL  $\alpha$ -D21LiB5  
3+2 axis

### Laser welding



TRUMPF TruLaser 5005

### CNC Grinding



Glebar CAM 2

### Washing



MAFAC Java  
(water base)



Baronette  
(solvent base)

The main categories of materials used in CNC machining are metals, plastics and composites. Within these categories, there is a selection of materials used for precision manufacturing in our plant, including their subtypes:

Stainless steel

Plastic

Brass

Bronze

Aluminium

ARCAP

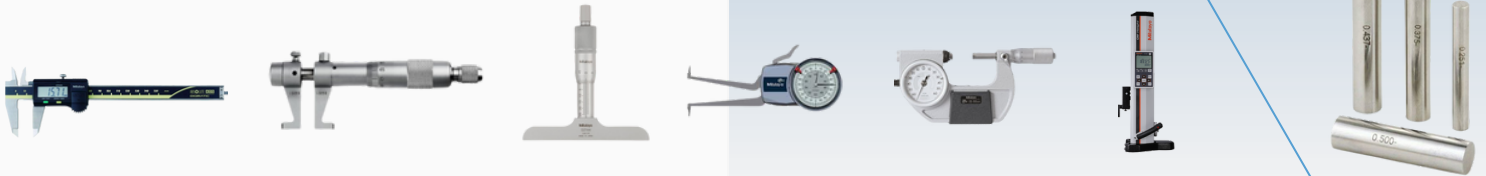
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# Capabilities

## Measuring

Conventional mechanical measuring instruments



Profile Projector  
Mitutoyo PJ-3000



Digital Profile Projector (OMM) 2D  
Mitutoyo Quick Image



Coordinate Measuring Machine  
Mitutoyo Crysta-Apex S 544



Surface Roughness Meter  
Mitutoyo S-3000



**ISO**  
9001:2015  
Certificated



**13**  
CNC  
Machines



**2K+**  
Types of CNC  
Parts produced

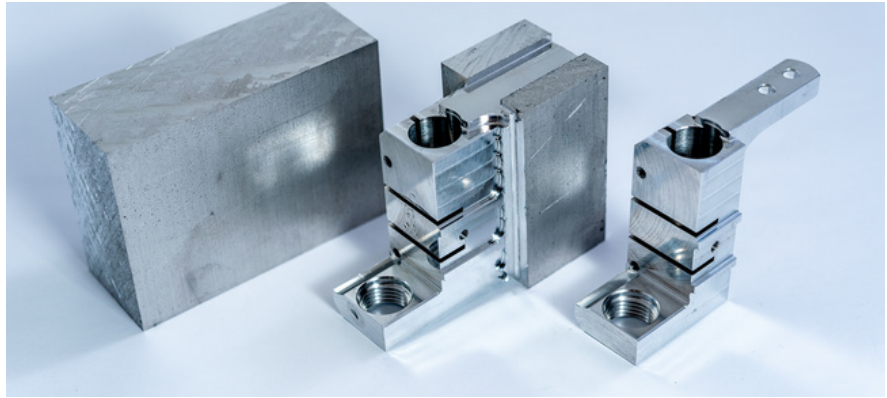
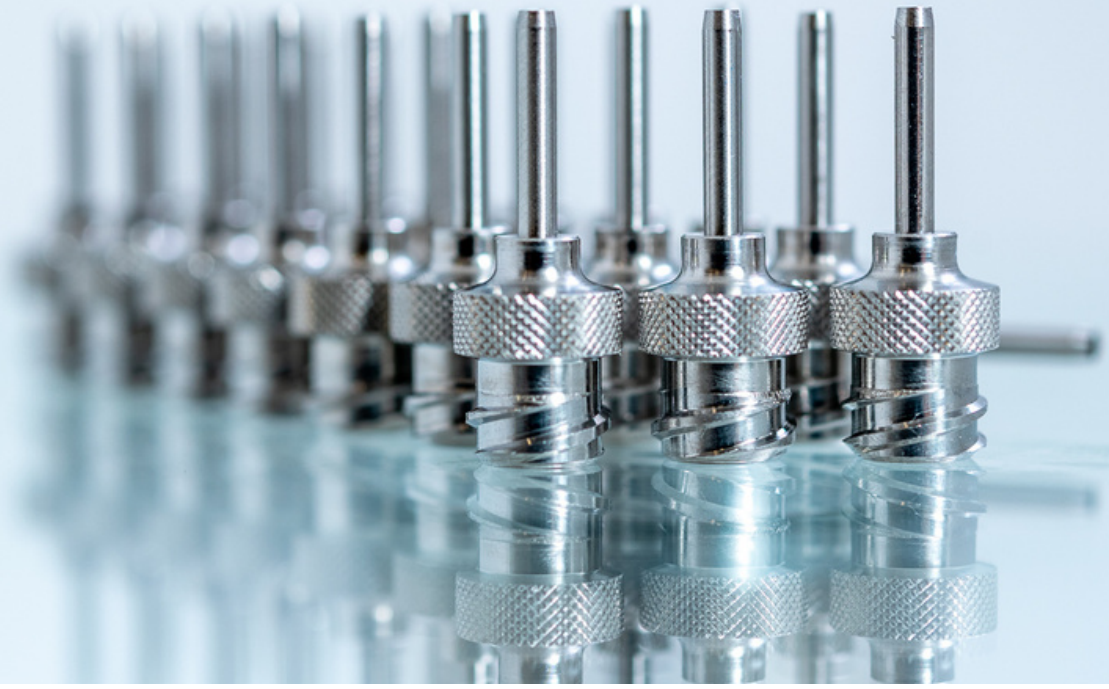


**3M+**  
CNC Products  
produced annually

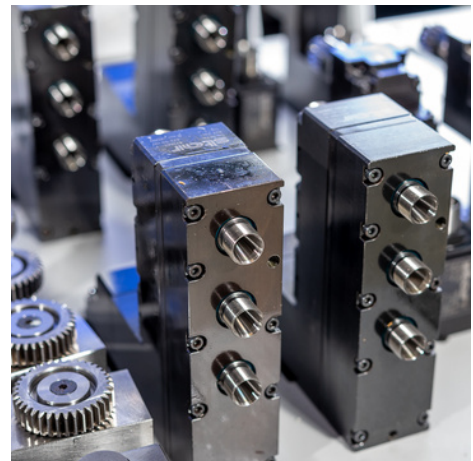
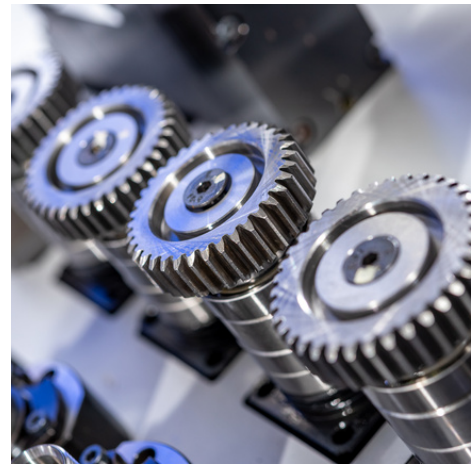


**50+**  
Types of  
materials used





**We focus on high  
precision, high  
quality  
components and  
high volume  
production.**



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Contact us: Str. Hamilton nr. 2-4  
307210 Giarmata, Timis County  
Romania  
[contact.hce.ro@hamilton-ce.com](mailto:contact.hce.ro@hamilton-ce.com)