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# **HEROSLAM**

**Long Life Thread Rolling Tools**

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## LOCATION

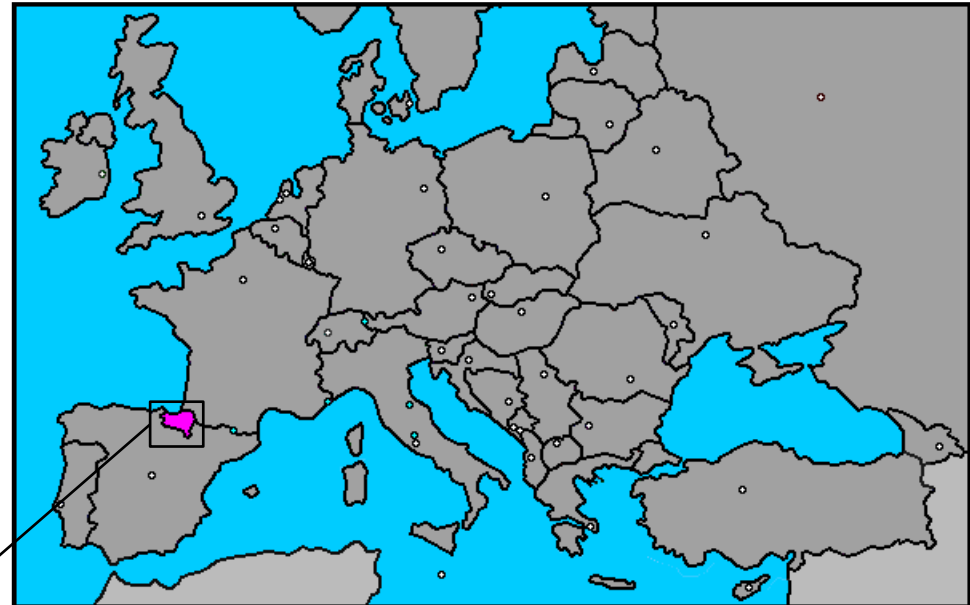
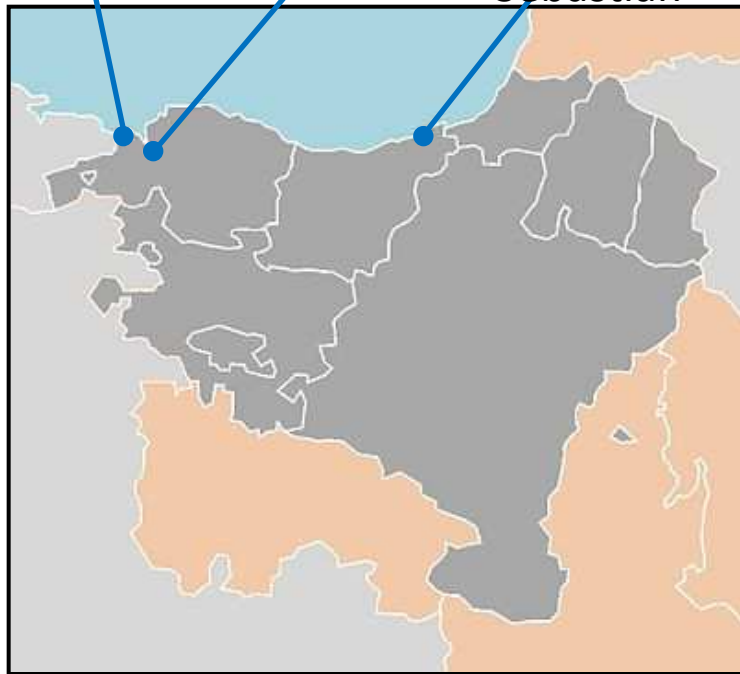


Bilbao



San

Sebastián



- ✚ Old tradition in steel forming
- ✚ High quality of know how
- ✚ Huge technical area
- ✚ Fantastic transportation network

## **HEROSLAM 2021**

- ✚ **100% employee owned company**
- ✚ **90% of production is exported overseas (Europe, USA, Asia)**
- ✚ **Production of the whole range of thread rolling tools in different materials (flat, cylindrical and planetary)**
- ✚ **99% of manufacturing process in-house including heat and surface treatment**
- ✚ **Specialists in thread rolling tools (made by grinding process) to roll parts after heat treatment and high tensile fasteners**
- ✚ **Materials and coatings developed internally**

## **BUSINESS LINES**

### **AUTOMOTIVE**



**60%**

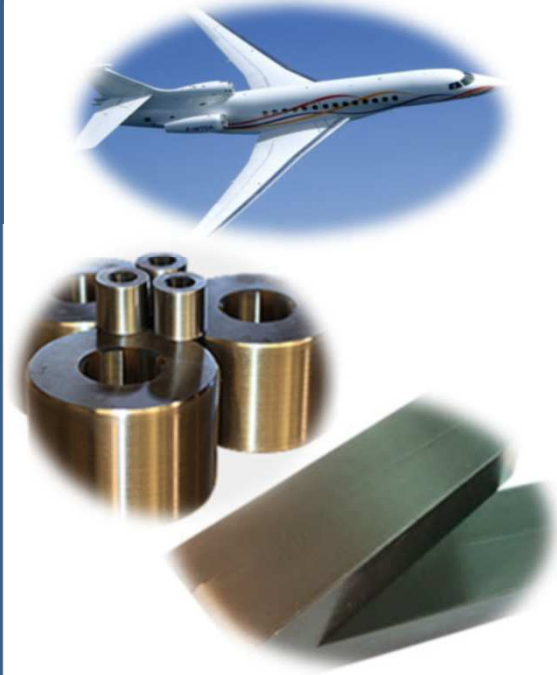
**HEROSLAM**  
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### **OTHERS**



**10%**

### **AEROSPACE**



**30%**

## **TYPES OF TOOLING**

### **FLAT DIES**

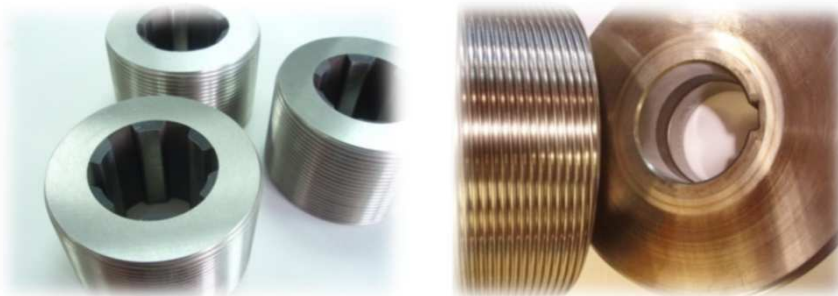


### **PLANETARY DIES**

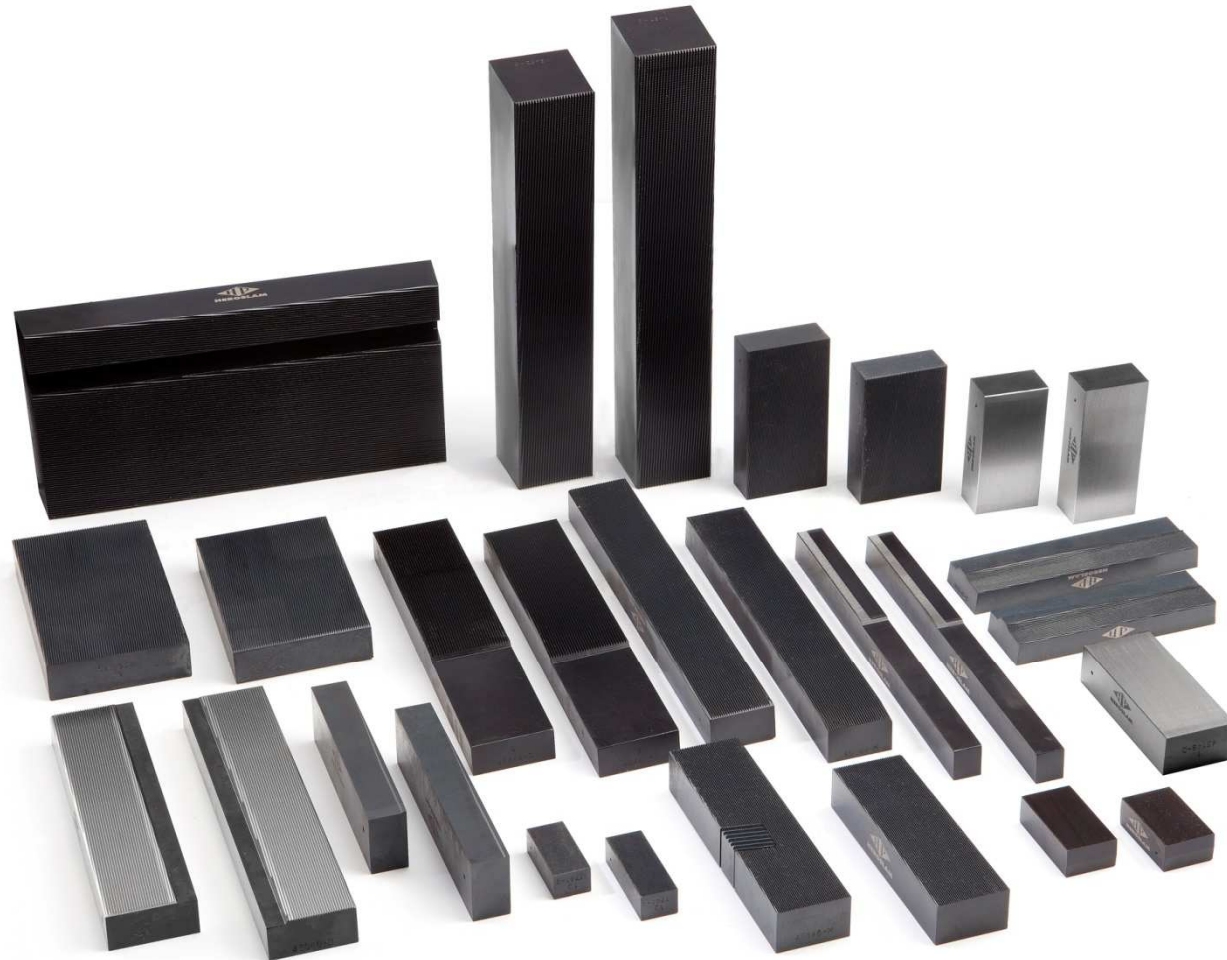


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### **CYLINDRICAL DIES**



## FLAT DIES





## CYLINDRICAL DIES

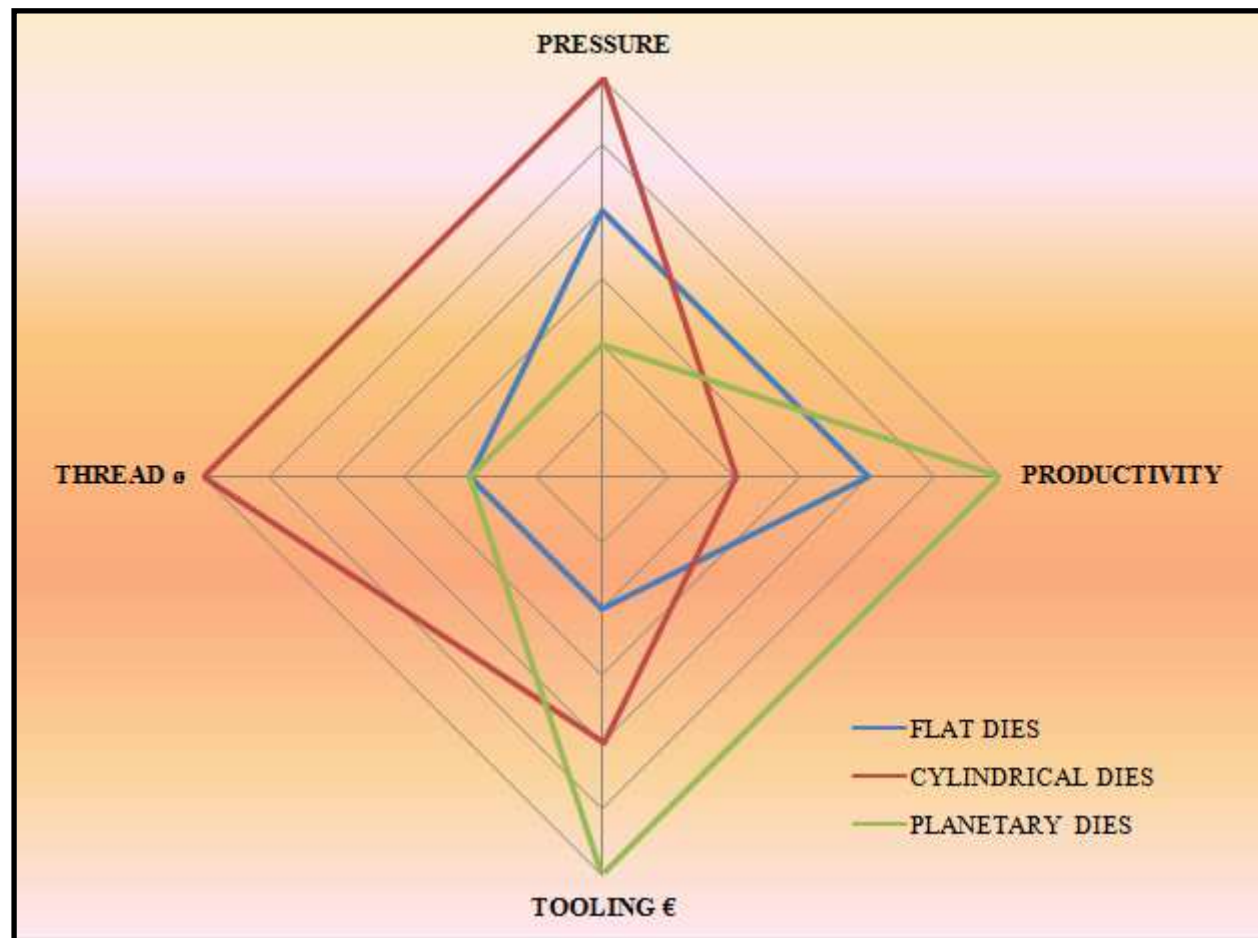


## PLANETARY DIES





## TOOLING FEATURES



## **TOOLING COATINGS**

**ALL COATINGS MADE IN-HOUSE AT  
HEROSLAM FACILITIES**

 **NITRADING**

 **GOGOR**

## **TOOLING COATINGS: NITRADING**

- ✚ Better resistance to corrosion
- ✚ Better mechanical properties
- ✚ No deformations
- ✚ Available to the whole range of toolings in M2 and M42



## **TOOLING COATINGS: GOGOR**

- ✚ **COATING DEVELOPED IN-HOUSE**
- ✚ **Increase die-life in 20%÷30% average**
- ✚ **The best solution for parts rolled after heat treatment**
- ✚ **Highly recommended for tools in M2 and M42**
- ✚ **100% OF THE PROCESS IN-HOUSE**



## **STRONG POINTS OF HEROSLAM**

- ✚ **More than 75 years in the industry making exclusively TRD.**
- ✚ **We produce the full range of TRD (flat, cylindrical and planetary)**
- ✚ **We are grinding specialists. All our tools are ground (not milled)**
- ✚ **We only use first class steel. German steel providers.**
- ✚ **We have our own heat treatment and coating facilities in-house. This is very important to make our dies last longer.**
- ✚ **We apply special coatings developed by ourselves. Special nitriding (by salt) and GG coating. GG=GOGOR, Basque word for STRONG**
- ✚ **We have developed a very good quality RRO to avoid die chipping**
- ✚ **As a result, we make long life TRD for rolling hard parts**
- ✚ **Specialists in the production of flat and cylindrical dies for aerospace fasteners in exotic materials such as titanium and inconel, specially conceived for warm and/or hot thread rolling processes**

## **CUSTOMER REFERENCES**

### **EUROPE:**

**LISI GROUP, KAMAX GROUP, NEDSCHROEF GROUP, AGRATI GROUP,  
FONTANA GROUP, STANLEY GROUP, ITW GROUP, HILTI Group**

### **AMERICA (North and South):**

**ACUMENT – RING SCREW, ATF, ARP (AUTOMOTIVE RACING PRODUCTS),  
AUTOBOLT, B&B SPECIALTIES, EMHART TEKNOLOGIES, FERRY CAP,  
INFASTECH, ITW, KAMAX, LISI HI-SHEAR, MAC FASTENERS, McCOY BOLT, MS  
AEROSPACE, PARKER FASTENERS, SUPERIOR THREAD ROLLING, METALAC,  
HASSMANN, HILTI Group**

### **ASIA:**

**RITAI Auto Standard Products, AVIC-BAMTRI GROUP, APP Group**



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