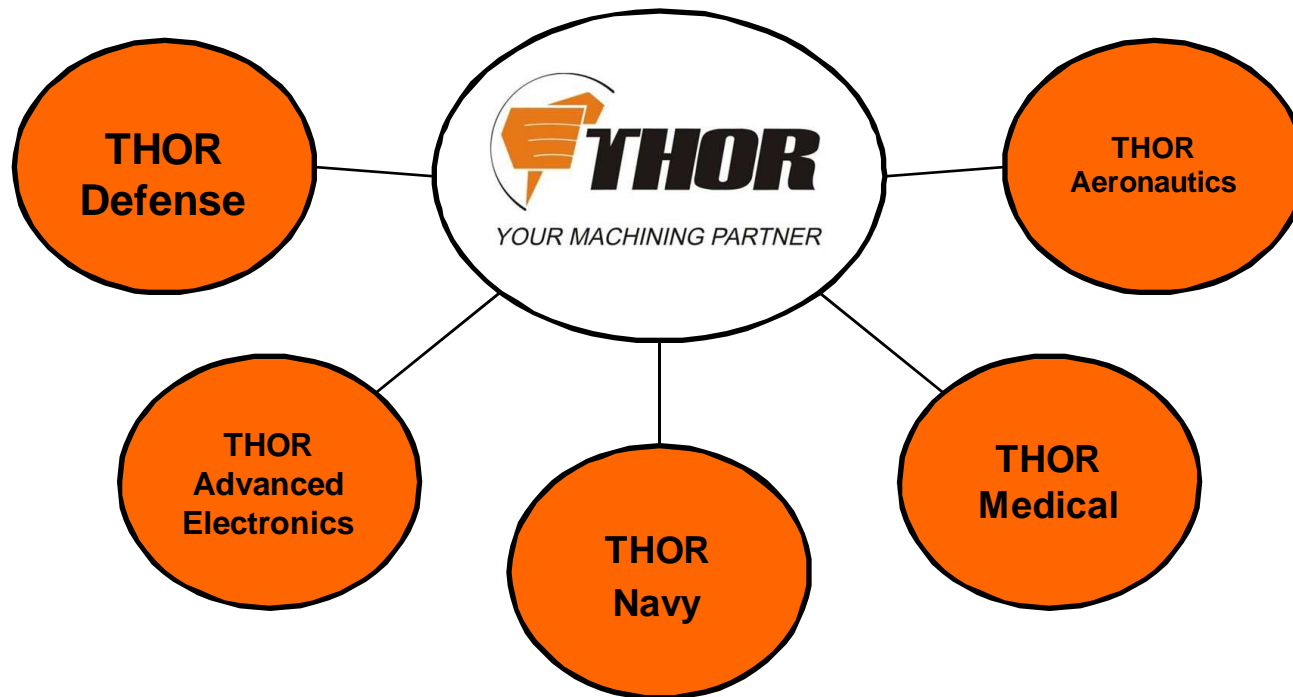




# Purpose

Our mission is:

"We are a high technology manufacturing company that contributes to the development of Colombia by being leaders in each of our divisions. We work to become a model company for our customers, employees, suppliers and the community, generating revenue and profits."



# Who we are

We are a  
manufacturing  
company established in  
November 2003 by  
three  
engineers, focused on  
development of  
components for  
different sectors  
involving high  
technology and quality.

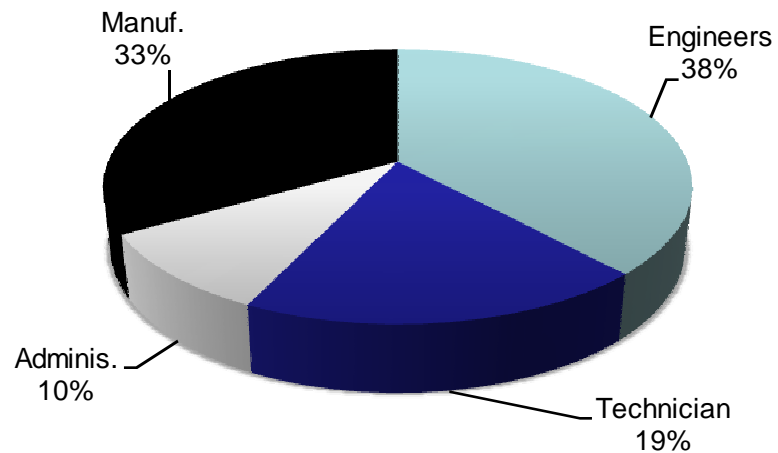


# Infrastructure

## Infrastructure

- 720 m<sup>2</sup>
- CNC VMC (3)
- CNC Lathe (2)
- Rapid prototyping machine (1)
- Conventional Equipment
- Software CAD, CAM, CAE (FEM, CFD) (6)

## Human Resource





UNIVERSIDAD  
DE ANTIOQUIA

- Medellín, Colombia 02/08/2010

Señor Sr.  
**JOSÉ FELIPE GONZÁLEZ**  
**INER LTDA**  
 Medellín - Antioquia

**UNIVERSIDAD DE ANTIQUEÑA**  
 1987

**INFORME DEL ANALISIS QUIMICO**

Los resultados del análisis químico por **Espectrometría de Emisión Óptica** efectuados a la muestra suministrada se expresan en la tabla 1.

**Tabla 1. Resultados del análisis químico.**

ELEMENTO	MUESTRA-FRASE SISTEMA	
	DIRECCION TREN DE NAZB	NATURAL-GASE
	C/2120 - 95	
Aluminio (Al)	0.00	0.00
Silicio (Si)	0.00	0.00
Hierro (Fe)	0.105	0.105
Cobalto (Co)	1.748	1.748
Manganeso (Mn)	3.222	3.222
Magnesio (Mg)	0.00	0.00
Cromo (Cr)	3.160	3.160
Niquel (Ni)	0.277	0.277
Zinc (Zn)	3.552	3.552
Titanio (Ti)	0.069	0.069
Vanadio (V)	0.004	0.004
Fósforo (P)	3.000	3.000
Fluor (F)	0.004	0.004
Cloruro (Cl)	0.008	0.008
Cálcio (Ca)	0.00	0.00

La impureza se da en por ciento (pp) peso.



- [illegible]



- 



# Manufacturing Concepts

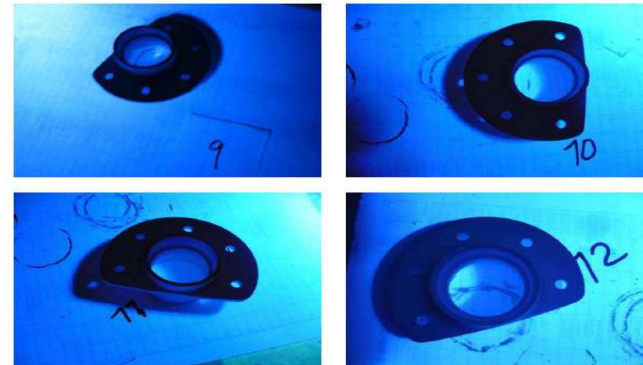
## Manufacture:

- CNC machining
- Dimensional control to all processes



## Inspection:

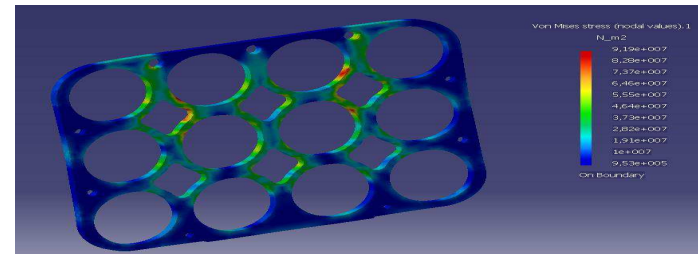
- NDI testing



Fotos 2 a 14. Inspección con líquidos penetrantes fluorescentes a los 12 Fitting 312-16523-001 (A047-18)

## Engineering analysis:

- Structural (FEM)
- Aerodynamics (CFD)



# THOR Defense

**GAU 19 A**



**GAU 17**



**MK 19**



**DEFA 550**



# THOR Defense

## Artillery Systems



- Boxes of ammunition
- Tapes
- Platforms
- Mounts

## Maintenance Equipment



7,62mm, 0,50mm  
and 40mm

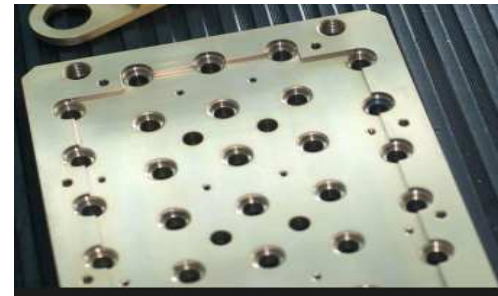


# THOR Defense

## COUNTERMEASURE SYSTEM ARPIA III (AH 60L)

### Features:

- Israel Military Industry (IMI) Technology Transfer.
- Local manufacture according to specifications. (Aeronautical materials, heat and surface treatments, gold coatings and precision).
- Developed P/N : 9
- Number of parts : 160



ISRAEL MILITARY INDUSTRIES LTD (IMI).

ROCKETS SYSTEMS DIVISION  
Countermeasure Systems & Pyrotechnics



To: TYSA

Attn: Mr. Michael Cirulnic  
Mr. Fernando Restrepo,

10 November 2010

#### THOR – Manufacturing of Mechanical Items for Airmor

Dear Sir,

1. As per the AIRMOR contracts No. 4700005974/2009, a Transfer Of Technology (TOT) process was conducted with CAF in Colombia on August 2010. The TOT content included the entire manufacture, assemble and test of the Breech Plate of the Airmor self-defense suit.
2. CAF selected the THOR company as its sub-contractor for the manufacturing of the mechanical Breech Plates items. Though, as part of the above-mentioned TOT process, IMI team visited at THOR site in Medellin.
3. As per IMI requirements at this project, THOR was found professional in terms of facilities and human resources skills. The mechanical parts that were manufactured by THOR (in accordance with IMI production file) were found at high quality level and acceptable in accordance with the items specification.
4. Following the above-mentioned TOT process, we can declare that THOR is approved by us to manufacture mechanical parts of Breech Plates, as per our relevant and updated documents, lists and drawing, as appears in IMI production file.



# THOR Defense

## Mounts

**Models:** "M60, Negev, M240, M249, 0.50", MK 19"



### GENERAL CHARACTERISTICS

CALIBERS	5.56, 7.62, 0.50", 40 mm
MATERIAL	STAINLESS STEEL (304)
SURFACE FINISH	BLACK MATTE OUTDOOR PAINT
WELDING	TIG
WEIGHT	VARIABLE
ASSEMBLY	QUICK PINS
BOXES OF AMMUNITION	VARIABLE CAPACITY
OTHER	STAINLESS STEEL (304) SCREWS

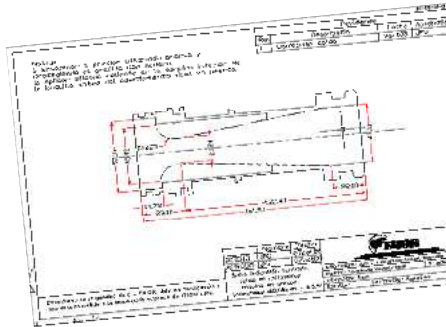
## Mounts

**SAR-system - Barret M82**



# THOR Defense

## "Colombian Tactical Rocket 70 mm"

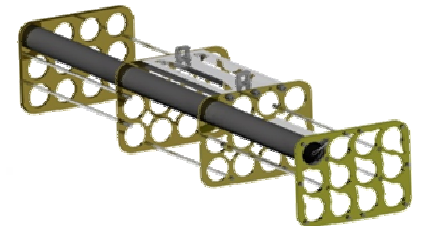


## DRAKON 70-3 "Prototype 1"



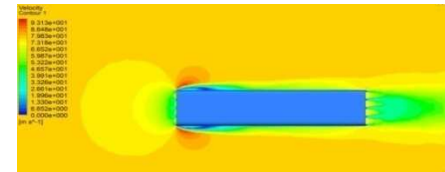
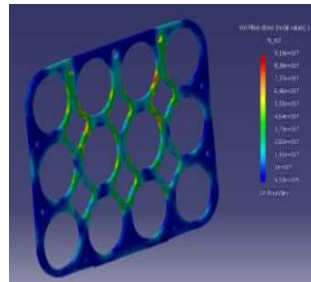
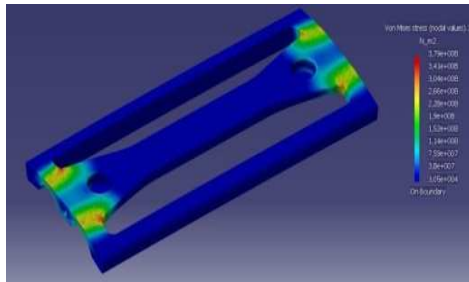
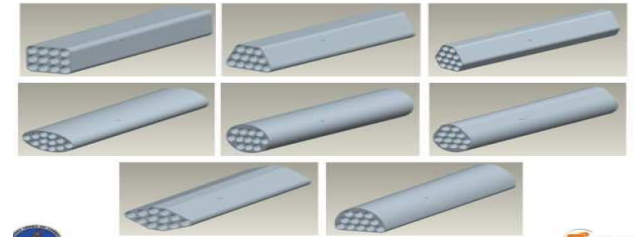
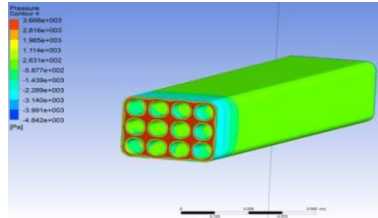
## DRAKON 70 - 12 / H

- 12 rockets available
- Repairable and reusable



# THOR Defense

## Aerodynamic Analysis



## Structural Analysis

## Testing



# THOR Defense



# THOR Advanced Electronics

## Optronic Systems

- Head Quarters Monitoring
- Aerial applications
- Land applications
- Marine Applications



# R emote

## C ontrolled

# Weapon

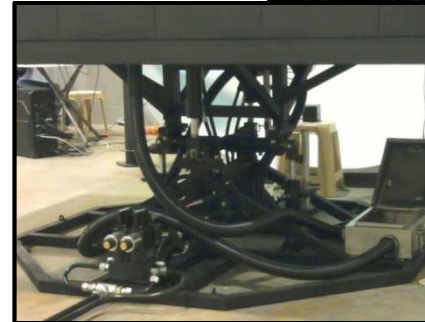
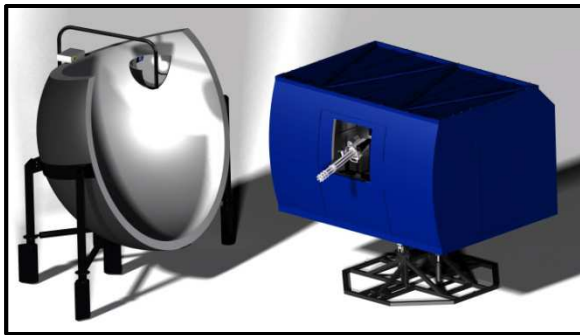
# Station.



# THOR Advanced Electronics

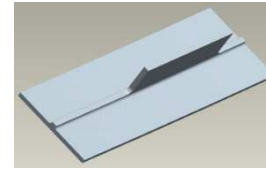
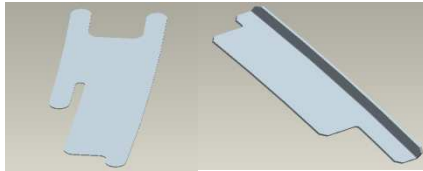
## Simulators

**Description:** Gunner System and artillery UH60 chair, simulating cabin's space of the helicopter, display system, sound system, hydraulic mechanical motion of the platform.



# THOR Aeronautics

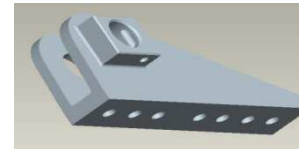
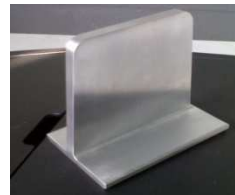
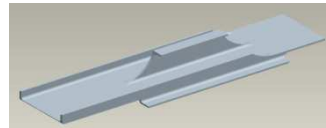
**UH60  
Black  
Hawk**



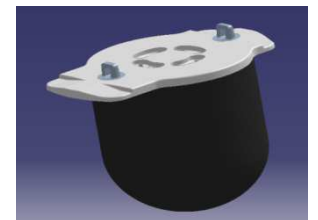
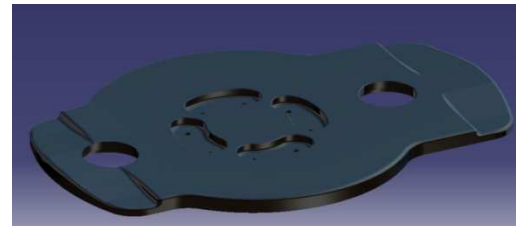
**T27  
Tucano**



**C 130  
Hércules**

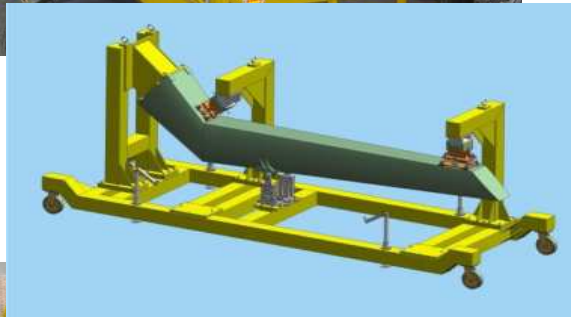


**OV 10**



# THOR Aeronautics

## Maintenance Stations



## Maintenance tools



# THOR Medical



# OTHER ACCOMPLISHMENTS

- Certification ISO 9001 – 2008
- Colombian Air Force Science and Technology Award Winners 2008.
- Award Winners 2007, “Destapa Futuro” of Bavaria awarded by the President Álvaro Uribe Vélez.
- Medellín city Council Award Winners of Technology Merit 2009.
- Colombian company receiving international technology transfer, for the manufacture of aircraft components under certification.
- Colombian Air Force certification as a supplier of weapon and aeronautical components.
- Certification IMI (Israel Military Industries) as a countermeasure systems manufacturers for UH 60.



# CONTACT INFORMATION



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[www.thorint.com](http://www.thorint.com)

Medellín, Colombia