NDIA
International Infantry & Joint Services Small Arms Systems
Annual Symposium, Exhibition & Firing Demonstration

The Oto Melara HITROLE® 7,62 – 12,7 – 40 mm
Remote Overhead, Light Electrical Turret
PRESENTATION

THE COMPANY

HITROLE® family  7.62 – 12.7 – 40mm
Oto Melara, a company of Finmeccanica, operates within the Group in the field of armament for defence.

- Revenues: 8,6* Billion €
- Portfolio of orders: 22,3* Billion €
- New Orders: 9,1 * Billion €
- Employees: 47,000
OTO PLANTS

INCORPORATED:

OTO MELARA IBERICA VALLÉNCEA – SPAGNA
OTO MELARA NORTH AMERICA WASHINGTON DC - USA
MAIN FIGURES

Turnover 345,00*

R & D 7%

Portfolio of orders 1,172*

Personnel 1,344

* Million €
SALES SHARING

COMPANY

Airborne Armaments

Naval Systems And Ammunition

Land Systems

38%

18%

44%
TM 197 B turret

- GBU-12D/B & 16H/B PW II
- JDAM systems
- Laser Guided Paveway GPS/Laser Guided Paveway
Ariete M.B.T.

DARDO Family

CENTAURO Family

PUMA Family
**COMPANY**

**LAND SYSTEMS TURRETS**

- **HITROLE®**
  - 7.62 mm
  - 12.7 mm
  - 40 mm

- **HITFIST®**
  - 25 mm
  - 30 mm
  - 60 mm

- **HITFACT®**
  - 105 mm
  - 120 mm
The Oto Melara range of Turret Weapon Systems fulfils the widest range of operative requirements of a very modern Army from Light Armoured Vehicles **HITROLE® family**

to medium weight IFVs **HITFIST® family**

To heavy weight Combat Vehicles **HITFACT® family**
### HITROLE® 12.7mm

#### ADVANCED REQUIREMENTS

<table>
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<tr>
<th>Feature</th>
<th>Description</th>
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<tr>
<td><strong>Survivability</strong></td>
<td>Under Armor operated</td>
</tr>
<tr>
<td></td>
<td>Remotely operated</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>Stabilization</td>
</tr>
<tr>
<td></td>
<td>Servo systems</td>
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<tr>
<td></td>
<td>IL TV, IR</td>
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<tr>
<td><strong>Flexibility</strong></td>
<td>7.62mm; 12.7mm; 40mm</td>
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<tr>
<td><strong>Versatility</strong></td>
<td>Light Weight</td>
</tr>
<tr>
<td></td>
<td>Interfaces</td>
</tr>
<tr>
<td></td>
<td>Basketless</td>
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HITROLE® 12.7mm

SURVIVABILITY

From inside the vehicle

• Recocking
• Reloading
• Observation
• Aiming
• Firing
HITROLE® 12.7mm

ACCURACY

- Operator stationary
- 1x 3x channels day optic
- Night Vision System (IL TV, IR Option)
- Gun vs. Vehicle designation

- Electric Servos & Stabil.
- Elevation -13 +50°
- Training nX360°
- Internal Target Designation (option)
- **Loading time**: < 1 min
- **Servo performance**:  
  - **Training**: speed 60°/s, accel. 50°/s²  
  - **Elevation**: speed 25°/s, accel. 50°/s²
- **Autonomous Stabilization** with built-in gyros
- **Digital Servos**
- **Brush less Motors**
- **CAN-BUS link**
HITROLE® 12.7mm

WEAPONS

GUN  12.7 mm MG (FN Herstal, others)
or
7.62 mm MG

AGL  40 mm (MK 19 GD, others)

alternatively

Easy weapon change on the field
HITROLE® 12.7mm

TV CAMERA

<table>
<thead>
<tr>
<th>Type</th>
<th>3 – 5 µ</th>
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<tbody>
<tr>
<td>Azimuth view</td>
<td>nx360°</td>
</tr>
<tr>
<td>Zenith view</td>
<td>-15° +50°</td>
</tr>
<tr>
<td>Field of view</td>
<td>3° and 9°</td>
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</tbody>
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RSTA + HITROLE

On board & on ground composition of sensors

- Radar TMI (Target Moving Indicator)
- Platform
- Optics
- IR
- Laser

- Stabilised & mast platform
- Set of Sensors
- Sensors elaborator
- Remote Command & Control
HITROLE® 12.7mm

GROWTH POTENTIAL

Remote command & control

HITROLE® Turret

Optical sensors

Stinger
HITROLE® 12.7mm

ROLES

Logistic

Recce Scout

A P C

M B T
HITROLE® 12.7mm

HMMWV
HITROLE® 12.7mm

M113
HITROLE® 12.7mm

AMV PATRIA
A Secure profile

Defence is our History
Leadership is our Goal
Customers are our Strength
The Marketplace is our Challenge

Oto Melara. A new look, the usual and expected excellence