



Outlook for Small Arms and Accessories

Presented By: George E. Kontis PE

www.KnightArmCo.com

Outlook for Small Arms and Accessories



KAC focus:

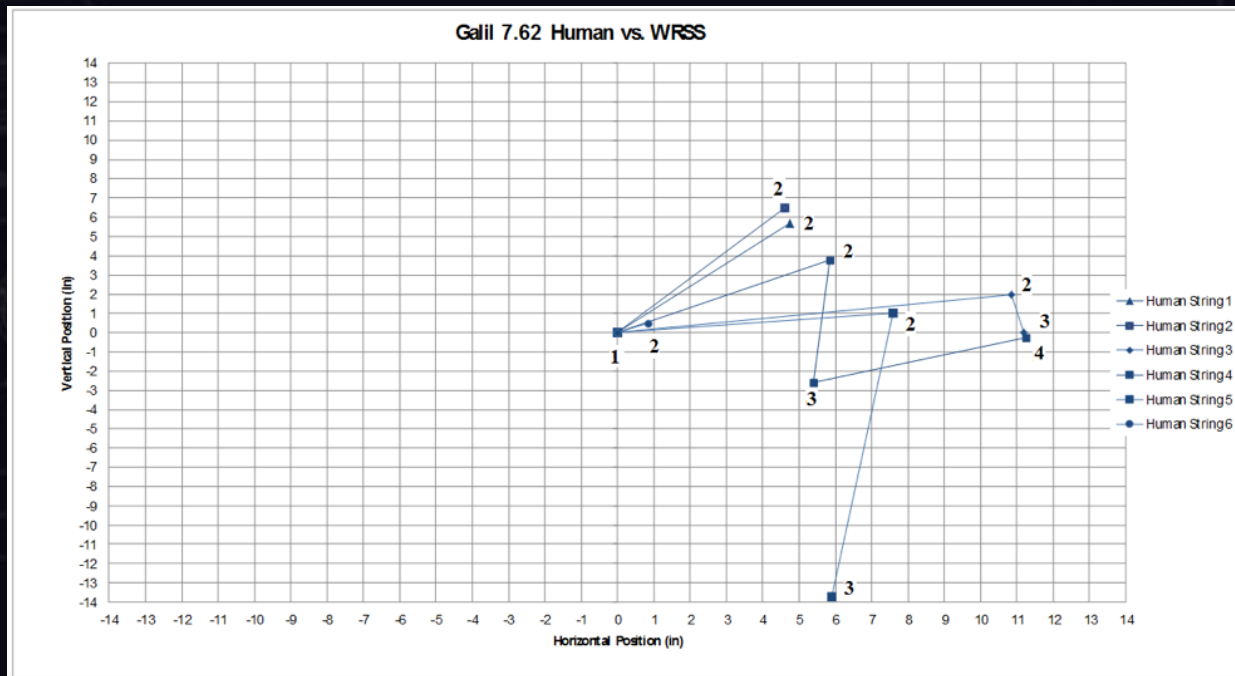
- Reducing size & weight
- Increasing reliability & durability
- Minimizing maintenance
- Reducing ownership cost
- Improving controllability
- Increasing accuracy
- Decreasing signature



Outlook for Small Arms and Accessories



Reduced Recoil & Improved Controllability



Target Data—7.62mm Galil—2 to 4 round bursts

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Weapon Signature Reduction:

- Flash
- Sound
- Visual

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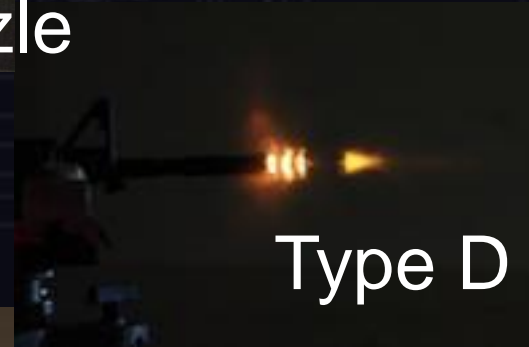
Muzzle Brake/Flash Suppressor Signature



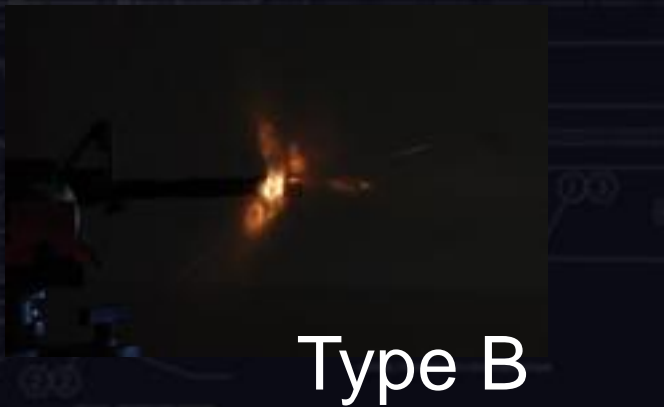
Bare Muzzle



Type A



Type D



Type B



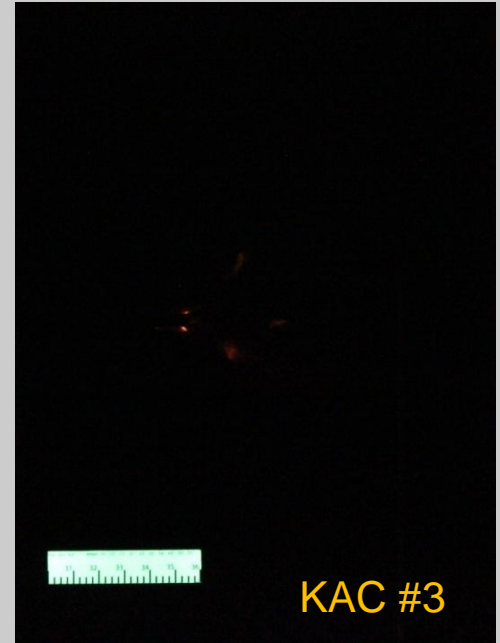
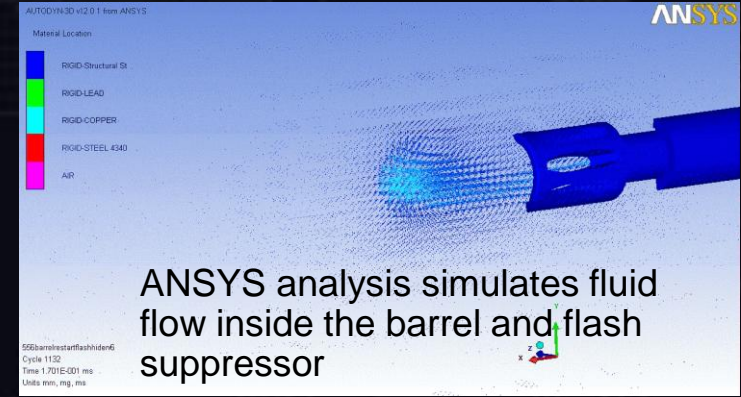
Type C

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Flash Suppressor/Brake Signature

KAC Brakes.....



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Flash Signature from Sound Suppressor



**First round through
sound suppressor**

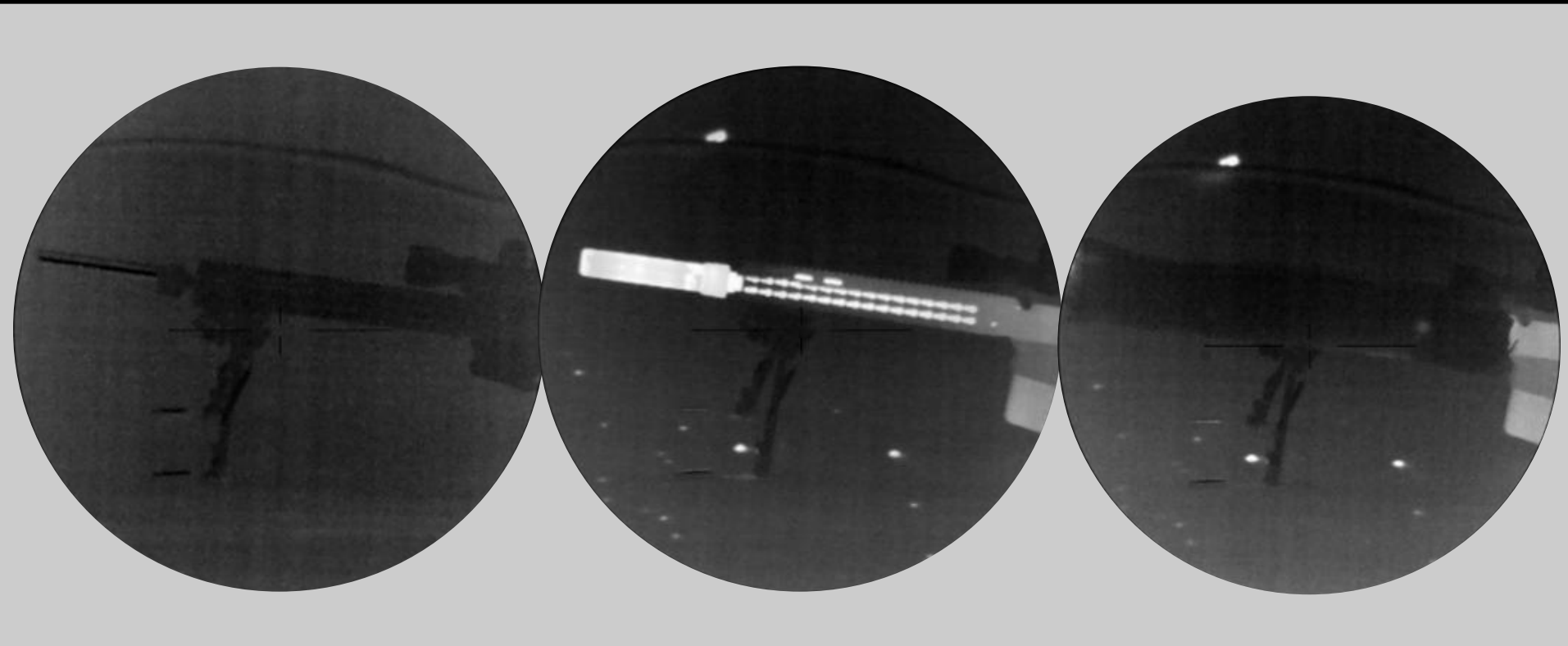


**First round through suppressor
(Ongoing R & D)**

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REDUCE VISUAL SIGNATURE



Ambient Temp



5 rounds Fired

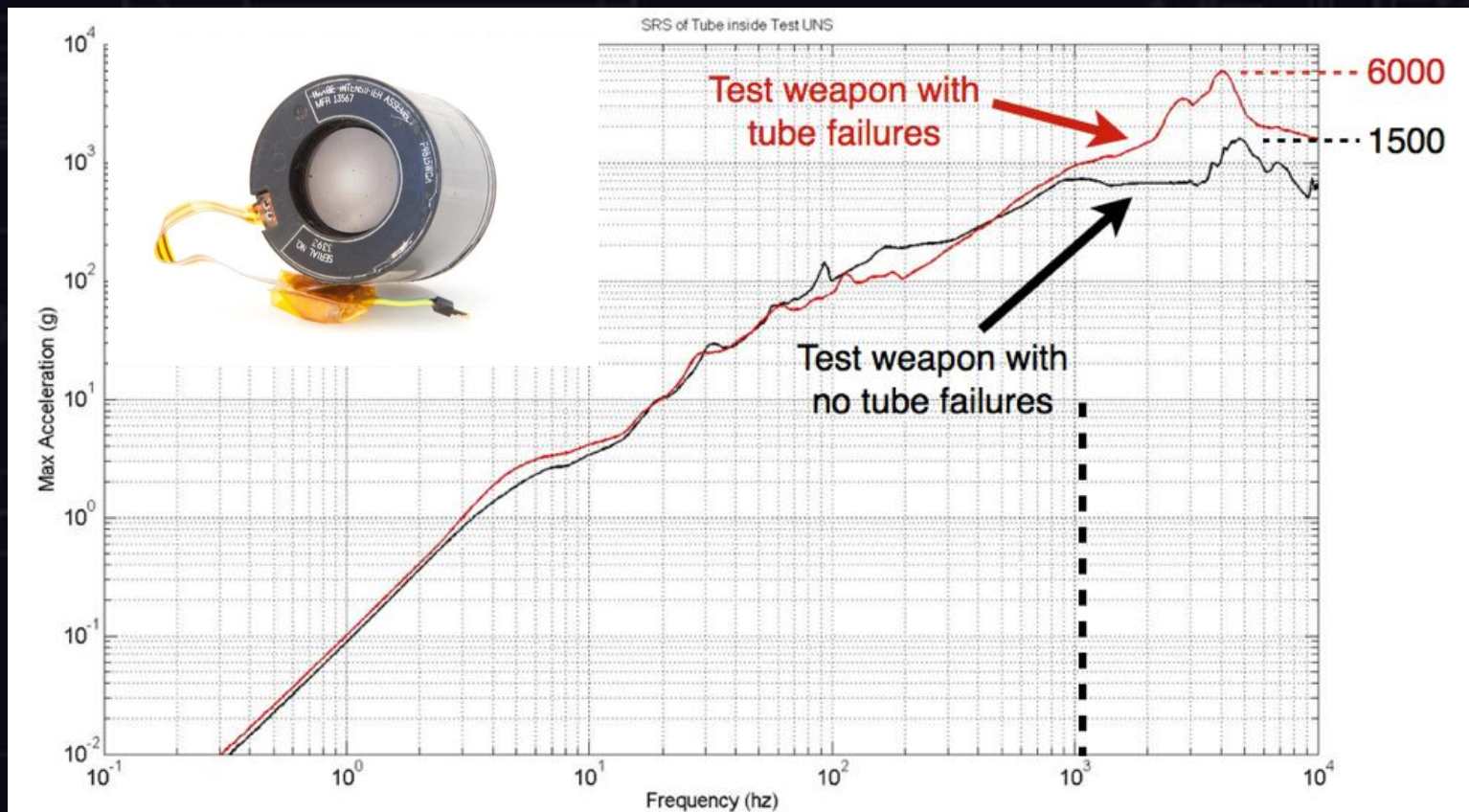


Visual Reduction

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ACCESSORY SHOCK MITIGATION



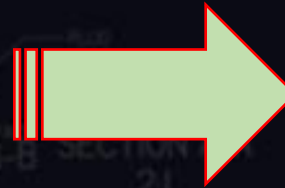
Outlook for Small Arms and Accessories



- **SMALLER**
- **LIGHTER**
- **LOWER POWER**

- **BETTER PERFORMANCE**
- **SMARTER**
- **LOWER COST**

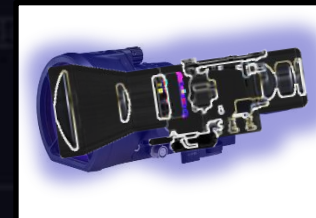
12



**PASSIVE
THERMAL**



FUSED



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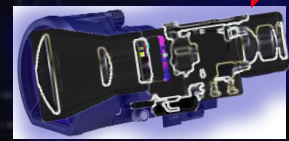
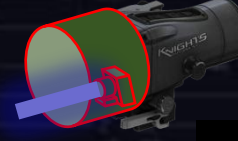
WEAPON SIGHT EVOLUTION

TECHNOLOGY DRIVES PRODUCTS & PRODUCTS DRIVE SOLUTIONS

- ARMY/MARINE INFANTRY
- SPECIAL OPS SF/RANGER/SEAL
- SMALLER, LOWER POWER, LIGHTER, FUSED



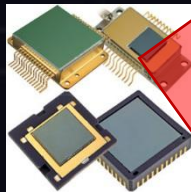
SOLUTIONS



PRODUCTS



I² Tube



FP FPA



FPGA



Display



NIR



SWIR



MWIR



LWIR



New Optonics

TECHNOLOGY

2007 '08 '09 '10 '11 '12 '13 '14 '15 '16 '17

Outlook for Small Arms and Accessories



SOFTWARE & FIRMWARE

- INCREASED IMPORTANCE
- EASE OF SECURE UPGRADE VIA INTERNET
- REDUCED RELIANCE ON OEM





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