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
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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

Type A

Type B

Type C

Type D

Bare Muzzle
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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

Test weapon with tube failures

Test weapon with no tube failures
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- SMALLER
- LIGHTER
- LOWER POWER

- BETTER PERFORMANCE
- SMARTER
- LOWER COST

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

PRODUCTS

- I² Tube
- FPA
- FPGA
- Display
- NIR
- SWIR
- MWIR
- LWIR

NEW OPROTIONS

TECHNOLOGY

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

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