



**MANUFACTURING
CAPABILITIES**

DEMINING & EOD

PERSONAL PROTECTION EQUIPMENT

CUSTOMIZED SOLUTIONS FOR YOUR PROTECTION

Composites Solutions is one of the most technical advanced manufacturers of protection equipment in the world. The company was founded in 2010 and offers with its team more than 25 years of experience in the ballistic sector.

We are experts in the technical development, sales and marketing. We invest all our experience to always develop the best product for our customers.

WE ARE THE 'PRO' IN PROTECTION
PLATFORM PROTECTION | LAND | AIR | SEA

PERSONAL PROTECTION LAND | AIR | SEA

Composites Solutions provides state of the art light weight armour products to its worldwide partners.

To provide highest performance of our products we are focused on intense internal R&D work.

Based on our long-term experience in the armour industry we are prepared to offer professional armour design and manufacturing of armour kits defeating all potential ballistic threat scenarios.

We are linked to leading partners in the armoring industry, from purchase to sales.

BALANCED PROTECTION AND PERFORMANCE

We develop ballistic solutions in close cooperation with our partners.

Our mission is to generate tailored materials, combinations and designs to satisfy our specific customer demands.

Based on our long-term experience we provide optimized tailored solutions to our customers.

Composites Solutions is your choice for state-of- the-art lightweight ballistic protection

COMPOSITES SOLUTIONS GLOBAL PRESENCE



USA



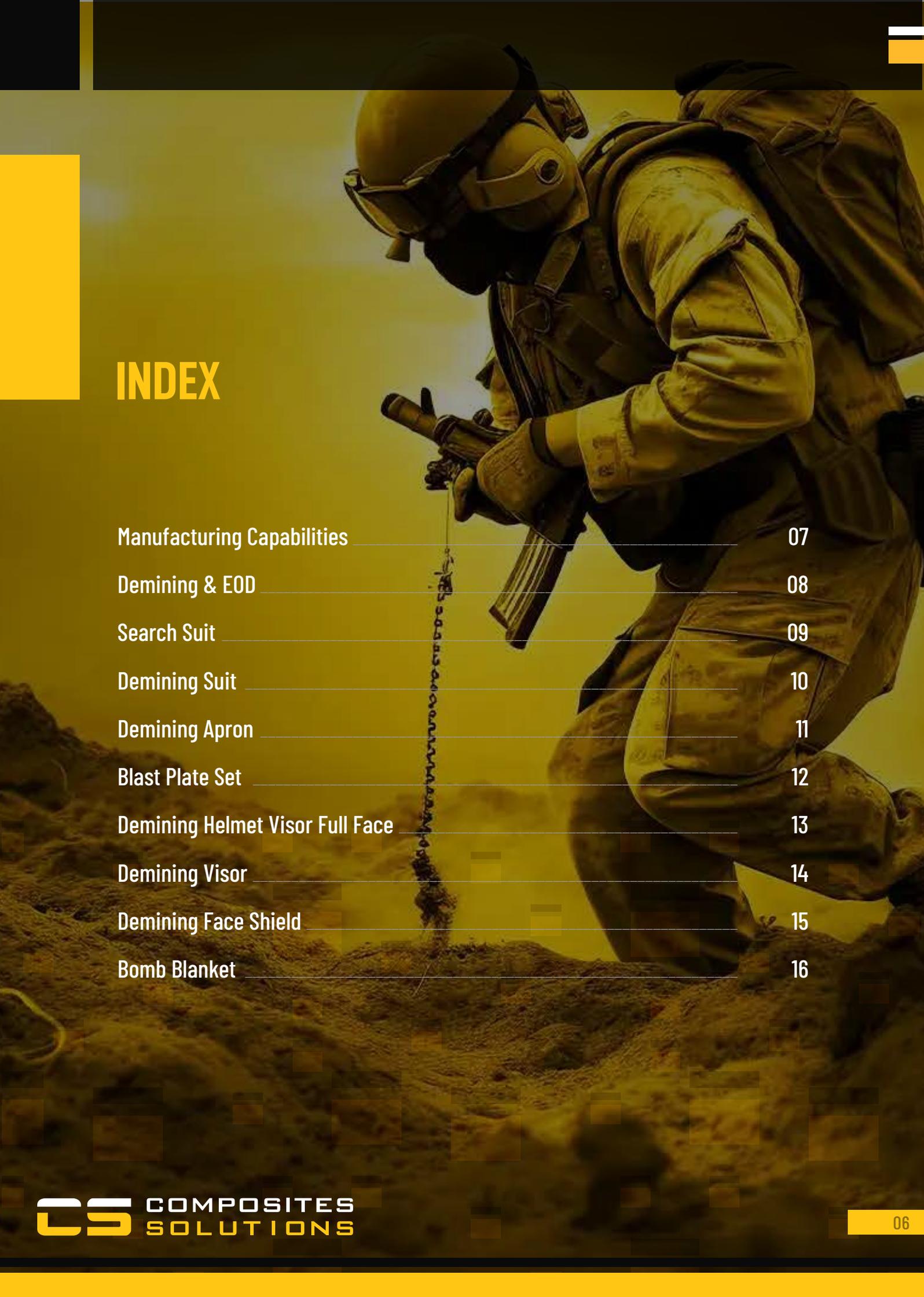
EUROPE



MIDDLE EAST



ASIA



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PERSONAL PROTECTION LAND | AIR | SEA

MANUFACTURING CAPABILITIES

We design and manufacture cutting-edge protective gear and armor solutions using state-of-the-art technologies.

Body Armors

Ballistic Insert Plates

Ballistic Shields

Demining & EOD Gears

Ballistic Helmets

Flexible Shield

Soft Armor Panels

Ballistic Briefcase

Ballistic Blanket

Security Vests

TAC / Utility Belt

Ammunition Pouches

PERSONAL PROTECTION EQUIPMENT

DEMINING & EOD

Composites Solutions specifically designed a series of Demining Apron's and Demining Suits for various demining agencies combining aspects of protection and ventilation and weight at the same time.

We worked intensively with different end-user groups to ensure the maximum mobility of our Demining Apron and Demining Suit worn on the daily routine.



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINING & EOD

DEMINING APRON



SPECIFICATIONS

- The Deming Apron is designed to provide maximum frontal coverage in case of accidental discharge of Land Mines when clearing
- The Garment design allows for interchange ability and upgrading of armour protection levels according to the customer's requirements

SOFT ARMOR

- Encapsulated with Nylon TPU coated fabric
- Vacuum sealed to protect against the elements

OUTER GARMENT

- Outer fabric is high quality 1000D nylon coated fabric
- The innermost layer is made with poly-strong mesh
- Facilitates airflow around the wearer's body to ensure maximum comfort
- Effectively dissipates energy in the event of an explosion

WARRANTY

- Garment guaranteed for one year
- Soft armor guaranteed for five years

FRAGMENTATION TEST (V50 TEST)

Fragmentation Level	F1	F2	F3	F4	F5	F6
Minimum Fragmentation Velocity V50 m/s	400	450	500	550	600	650
Minimum Fragmentation Velocity V50 ft/s	1310	1470	1640	1800	2000	2130

US Standard - MIL 662 UK Standard UK / SC / 5449 NATO Standard STANAG 2920

COLOR OPTIONS



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINING & EOD

DEMINING SUIT



SPECIFICATIONS

- The Deming Apron is designed to provide maximum frontal coverage in case of accidental discharge of Land Mines when clearing
- The Garment design allows for interchange ability and upgrading of armour protection levels according to the customer's requirements

SOFT ARMOR

- Encapsulated with Nylon TPU coated fabric
- Vacuum sealed to protect against the elements

OUTER GARMENT

- Outer fabric is high quality 1000D nylon coated fabric
- The innermost layer is made with poly-strong mesh
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US Standard - MIL 662 UK Standard UK / SC / 5449 NATO Standard STANAG 2920

COLOR OPTIONS



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINING & EOD
SEARCH SUIT



SPECIFICATIONS

- The Deming Apron is designed to provide maximum frontal coverage in case of accidental discharge of Land Mines when clearing
- The Garment design allows for interchange ability and upgrading of armour protection levels according to the customer's requirements

SOFT ARMOR

- Encapsulated with Nylon TPU coated fabric
- Vacuum sealed to protect against the elements

OUTER GARMENT

- Outer fabric is high quality 1000D nylon coated fabric
- The innermost layer is made with poly-strong mesh
- Facilitates airflow around the wearer's body to ensure maximum comfort
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COLOR OPTIONS



DURABLE



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FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMING & EOD

BLAST PLATE SET [STANAG 2920]



SPECIFICATIONS

- Excellent blast protection
- Remarkable performance
- Reliable and durable in all situations
- Large protection area
- Exceptional wearing comfort
- Ceramic is bonded to a fiber reinforced backing
- Laminated fabric wrapped around the insert plate
- State-of-the-art Nylon fabric cover
- Warranty is 5 years on all armor components and 1 year on the textile cover

SIZE & WEIGHT CHART

DIMENSIONS		WEIGHT		CUT	CURVATURE
10.2" x 10.2"	26 x 26 cm	On Demand	On Demand	SQUARE CUT	SINGLE CURVE
11.0" x 10.2"	28 x 26 cm	On Demand	On Demand	GROIN CUT	SINGLE CURVE

Width and length dimensions are ± 5 mm (± 0.19 in). All weights are ± 5 %.

THREAT PERFORMANCE

STANDARD	WEAPON	PROJECTILE	GR	VEL FT/S	VEL M/S	(+/- FT/S)
STANAG 2920	Fragment	1.1 g FSP	17	On Demand	On Demand	(+/- 30)

BALLISTICS

When tested in accordance with STANAG 2920 stand-alone, this insert plate set satisfies the on-demand protection level

OPTIONS

Custom-made insert plate designs can be provided in various shapes, sizes, contours and ballistic performances.



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINING & EOD

DEMINING HELMET & DEMINING VISOR FULL FACE



SPECIFICATIONS

- Designed to protect the end-user from fragmentation threats
- State-of-the-art production technology
- Designed to fit all head sizes
- The headframe design allows maximum comfort
- Removable washable headband

FEATURES

- Easy attachment and detachment
- Tailored dimensions available on request

SIZE & WEIGHT OVERVIEW

SIZE	LENGTH		HEIGHT		THICKNESS		WEIGHT	
	mm	inch	mm	inch	mm	inch	kg	pound
One size fits all	250	9.8	290	11.4	5.0	0.2	1.0	2.2

STAMAG 2920 THREATS

PROJECTILE	GR	VEL FT/S	VEL M/S	(+/- FT/S)	(+/- M/S)
1.1 g FSP	17	915	279	(+/- 50)	(+/- 15)

OTHERS

- Visor supplied with a carry bag
- Visor guaranteed for 5 years
- Exterior parts guaranteed for 1 year

OPTIONS

- Tailored visor dimensions can be provided on demand
- Custom-made colors available on request
- Upgraded protection levels available as needed



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINE & EOD

FACE SHIELD FRAGMENT RAIL



SPECIFICATIONS

- Designed to protect the end-user from fragmentation threats
- State-of-the-art technology applied
- Designed to fit most picatinny rail systems
- Adjustable to three positions including fully elevated, 45 degrees and deployed

FEATURES

- Easy attachment and detachment
- Tailored dimensions available on request

SIZE & WEIGHT OVERVIEW

SIZE	LENGTH		HEIGHT		THICKNESS		WEIGHT	
	mm	inch	mm	inch	mm	inch	kg	pound
One size fits all	364	14.3	200	7.8	6.5	0.7	0.85	1.87

STAMAG 2920 THREATS

PROJECTILE	GR	VEL FT/S	VEL M/S	(+/- FT/S)	(+/- M/S)
1.1 g FSP	17	835	260	(+/- 50)	(+/- 15)

OTHERS

- Visor supplied with a carry bag
- Visor guaranteed for 5 years
- Exterior parts guaranteed for 1 year

OPTIONS

Custom-made designs can be provided on request



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINING & EOD

DEMINING VISOR FULL FACE



SPECIFICATIONS

- Designed to protect the end-user from fragmentation threats
- State-of-the-art production technology
- Designed to fit all head sizes
- The headframe design allows maximum comfort
- Removable washable headband

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STAMAG 2920 THREATS

PROJECTILE	GR	VEL FT/S	VEL M/S	(+/- FT/S)	(+/- M/S)
1.1 g FSP	17	915	279	(+/- 50)	(+/- 15)

OTHERS

- Visor supplied with a carry bag
- Visor guaranteed for 5 years
- Exterior parts guaranteed for 1 year

OPTIONS

- Tailored visor dimensions can be provided on demand
- Custom-made colors available on request
- Upgraded protection levels available as needed



DURABLE



TESTED



FRAGMENT



LIGHTWEIGHT



WATER REPELLENT

DEMINE & EOD

BOMB BLANKET



SPECIFICATIONS

- Excellent blast protection
- Remarkable performance
- Reliable and durable in all situations
- Deployable Quickly as portable and lightweight
- Discreet appearance in the transportation bag
- Soft armor encapsulated with Nylon coated fabric
- Vacuum sealed to protect against the elements
- State-of-the-art Nylon fabric cover
- Warranty is 5 years on all armor components and 1 year on the textile components

SIZE CHART

LENGTH		WIDTH	
100 - 300 mm	39.37 x 118.11 inch	100 - 150 mm	39.37 x 59.05 inch

FRAGMENTATION TEST (V50 TEST)

Fragmentation Level	F1	F2	F3	F4	F5	F6
Minimum Fragmentation Velocity V50 m/s	400	450	500	550	600	650
Minimum Fragmentation Velocity V50 ft/s	1310	1470	1640	1800	2000	2130

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COLOR OPTIONS





NORTH AMERICA



EUROPE



MIDDLE EAST



ASIA



WE ARE THE 'PRO' IN PROTECTION

PERSONAL PROTECTION | LAND | AIR | SEA

AN ISO 9001:2015 CERTIFIED COMPANY

CONNECT WITH US

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