McDavid

787
Hex Pad Slvless Shirt

Basic improvement:

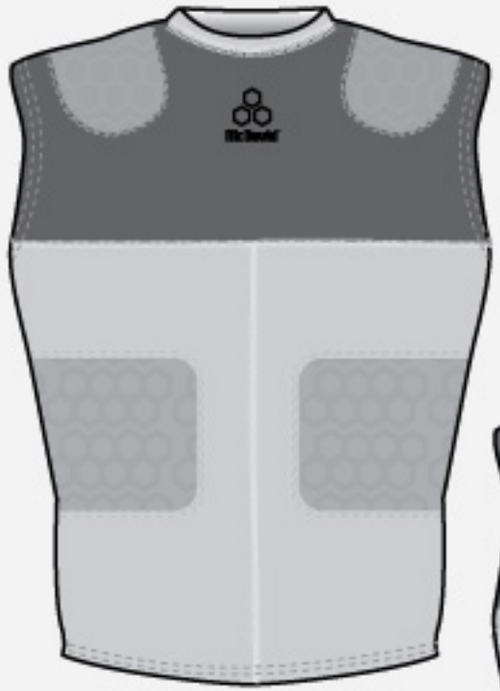
Incorporate Stretch mesh paneling for enchanced breathability

Traditional mounting of padding

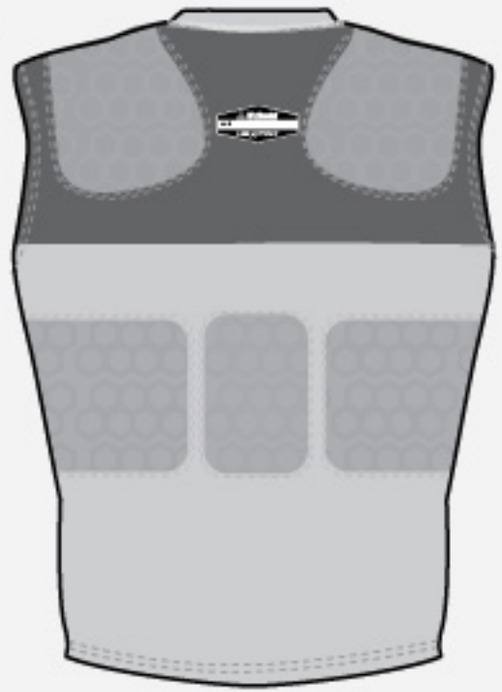
Benefits:

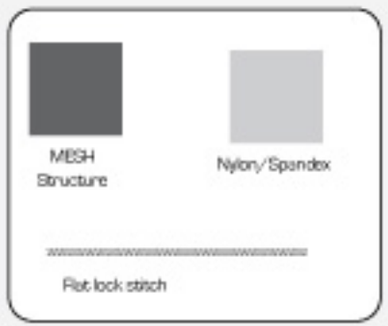
- Use of stretch mesh on the top section of the shirt to enchance breathability

Front



Back



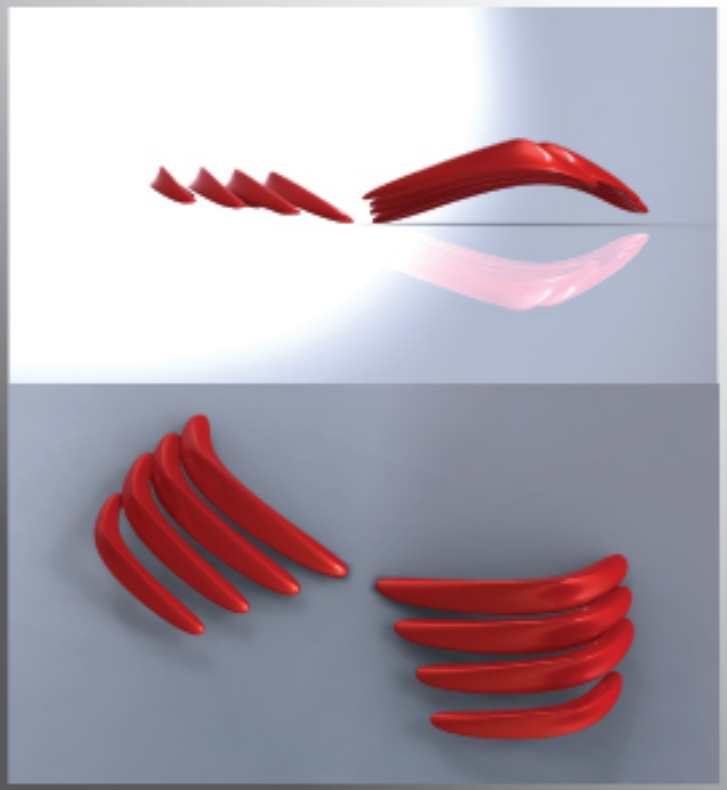


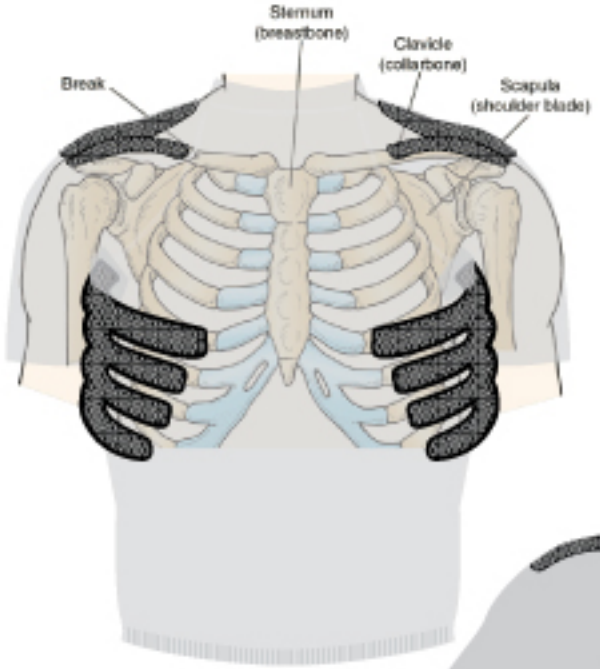
Top section offered in other colors

CrossDesigns

- Collar bone, shoulder and rib cage protection
- Purposed padding would be molded EVA. 3 dimensional molded, with tapered edges so that padding is sewn to garment or in lycra sleeve
- Taking the innovative look and function of the EVA padding, and exposing it will lend to breathability and reduced weight. Laminated directly to the garment
- Back venting-stretch mesh

After working with a 3D designer, and explaining the concept, the following drawings were rendered as well as a proto type.





CmaDesign

H.I.T.

Compression Performance Line

HIGH IMPACT TECHNOLOGY

General Description:

Seamless technology that is heavier on yarn and compression than regular seamless.

- Ultimate Compression
- Moisture management characteristics
- Combo of 2 colors of yarn to highlight structure and mesh areas
- Antimicrobial characteristics
- Support structure accentuates muscles
- HIT series pads in molded VIA foam, sewn straight to the garment
- Blend of Polyester and Spandex

MESH Structure

SUPPORT Structure

BIKE

H.I.T.

Padded Arm Sleeve

HIGH IMPACT TECHNOLOGY

General Description:

Spandex arm sleeve created for slight padding

Flat lock stitch for next to skin comfort

Articulated pattern for superior fit

Molded EVA, chevron shaped padding for maximum flexibility

Padding is laminated to spandex and sewn to sleeve

Focus of garment is for basketball

Lycra Structure

HIT Structure

Front

Back

Pattern piece

Compression-Rugby
short slv

General Description:

Short slv Gradient compression top combined with strategically placed padding for body, arm and shoulder protection

Fabrics:
Gradient compression
Molded EVA padding laminated to nylon spandex

Construction:
Flat-lock stitch with Fluff thread

Flat-lock stitch to secure padding to garment

Options:

Center Chest padding
Bicep padding
Spine padding

Optional garments:
Sleeveless top
Long Sleeve top

Shorts
Tights

FRONT

BACK

Nylon Spandex cover

Gradient Compression Warp Knit spandex

Exploded view of on pad cell
approximate density: 1-1.5cm thick

Similar type of construction, this pic taken from the factory that we would work with on this project

GP system

General Description:
Combination of Skins Bio-Accleration technology and the latest in Global Positioning for team sports.

A GP Device pocket with non velcor closure. Molded Device bed that adds shock absorbtion for the wearer, upon impact.

Fabrics:
Garment
Skins gradient compression spandex

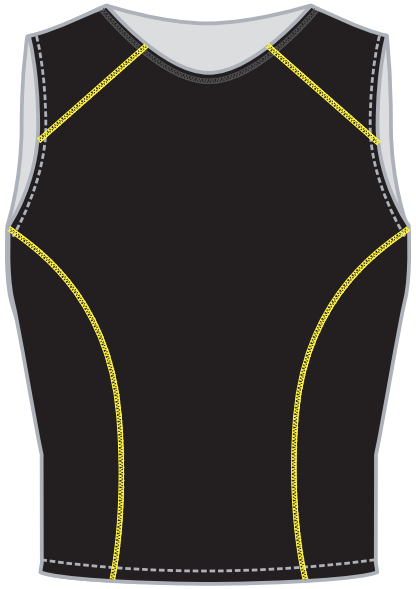
GP Pocket
Nylon Spandex 260 g/m2

Construction:
Flat lock seams- Fluff thread

Bonded GP pocket

Device dimensions:
width: 4.5cm
length: 9cm
height: 2cm

FRONT



Device lays in bed surrounded by padding on all 4 sides and back. top exposed to lycra cover

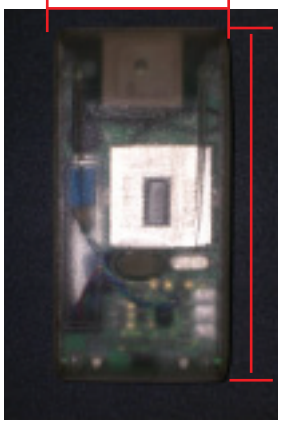
side cut out view

GP Device pocket

Spandex for less compression against the spine

Pocket bonded seam

Stetch Flap cover/no velcro



BACK

Molded Foam GP Device bed

Molded EVA material

Acts as a bed to absorb shock upon contact.

Smooth molded EVA surface enables bed to slide into pocket easily

Option:
perforate this bed for breathability