

# Must need safety gear for protecting chest and life, CHEST PROTECTOR

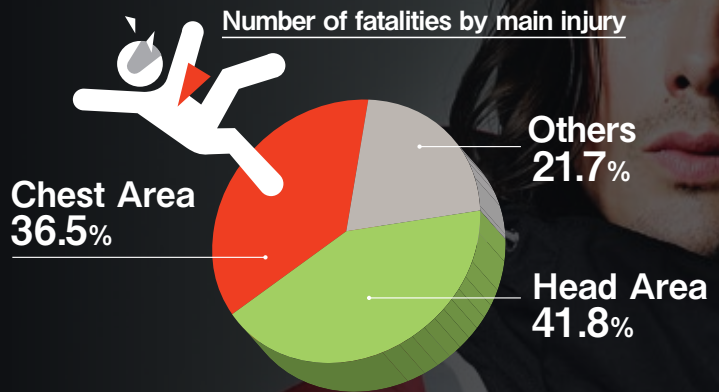


Motorcycle accidents. No one would want to be involved in this. The biggest cause of death in a motorcycle accident is damage in the head(41.8%). Second is damage in the chest area(36.5%).

In case of chest damage, most people hit other vehicle, structures, fuel tank or handle area of own motorcycle. By hitting the chest area, important organs like lung or heart gets damaged and causes death in the worst case.

"Is it completely safe if you wear a chest protector?" The answer is "NO" but we can say it is very effective to reduce the risk of death caused by a traffic accident.

To protect irreplaceable life, we want all riders to notice that chest protector is one of the important safety gear as same as helmets.



## The Fusions of Passion and Technology TECCELL CHEST PROTECTOR The hope of developers

TECCELL CHEST PROTECTOR was made by the fusion of people with Passion who hope for safety of riders and people with advanced Technology.

Shintaro Kurisu, the chief designer of RS TAICHI INC. started the development with a strong sense of mission. Kurisu says, "One of my good friend who gave me opportunity of riding died in a motorcycle accident suffering serious injury in the chest. It was around the time when necessity of chest protector drew people's attention. I was already working for RS TAICHI so I deeply regretted that we were not able to spread how important it is to wear a chest protector by that time and swore to make a chest protector that really protects the rider and spread it to the world." Chest protectors those days were heavy and thick and still had problems to be solved. I was thinking how we can meet the requirements such as lightness, stiffness and impact absorption in a high level that riders will satisfy. That is when I met TECCELL.

TECCELL, made by Gifu Plastic Industry Co., is a honey comb core material that has very high stiffness and lightness. TECCELL has already achieved good results in various industries such as automotive, train and sports. TECCELL has high shock absorption and could be 3D processed. Its characteristic was ideal for chest protector. "Characteristic of TECCELL completely matched the requirements of the chest protector" Mr. Ito of TECCELL division of Gifu Plastic Industry Co. says.

Mr. Matsushima of Development and Technical division of Tokyo Shimazu Co. took charge of molding and processing of TECCELL. Mr. Matsushima says "TECCELL requires more sensitive heat control than other materials. We adjusted the heating

temperature and heating time over and over again to maintain the quality of the surface and to make the TECCELL force against the mold tightly." He was very particular with examining molding specification, preparing mold and processing tool and molding process to make a "High Quality Product".

Mr. Ito says "I really hope that this products will help increase the number of riders who wears chest protectors and protect more riders. Mr. Matsushima says "I'm really happy to play part of the development of a product that protects riders life.

"By everyone's cooperation, we were able to develop TECCELL Chest Protector which is 6 times more stiffer than the requirement of prEN1621-3:2015 Full Chest Type B Level 2 standard. I am confident that we have developed a product in a different level from the existing products." Shintaro Kurisu says. Continues as "But this is not a goal."

Developments of products to protect riders still continues and never end. All for the riders...



Gifu Plastic Industry Co.  
Hiroataka Ito



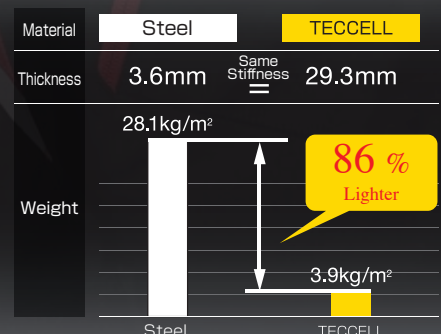
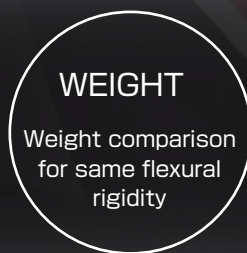
Tokyo Shimazu Co.  
Atsushi Matsushima

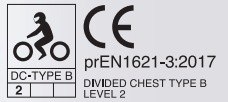


RS TAICHI INC.  
Shintaro Kurisu



TECCELL is a lightweight honeycomb core material. Compared to any other structures, TECCELL honeycomb panels are characterized by an excellent high specific strength and rigidity.





## TRV067 TECCELL SEPARATE CHEST PROTECTOR (WITH BUTTON)

- 2 layer mating system
- WEIGHT: 250g
- prEN1621-3 level2 approved (First in Asia)
- The highest rigidity prEN1621-3 level2 approved separate type chest protector in the market. (According to our research)

- SIZE : H220×W270mm
- MATERIALS : Polypropylene



## TRV068 TECCELL SEPARATE CHEST PROTECTOR (WITH BELT)

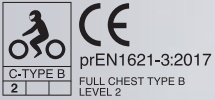
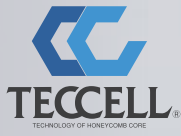
- 2 layer mating system
- WEIGHT: 250g (Not including fitting belt)
- prEN1621-3 level2 approved (First in Asia)
- The highest rigidity prEN1621-3 level2 approved separate type chest protector in the market. (According to our research)

- SIZE : H220×W270mm
- MATERIALS : Polypropylene



Easy to separate by opening from top of protector. It will not unexpectedly open while wearing.

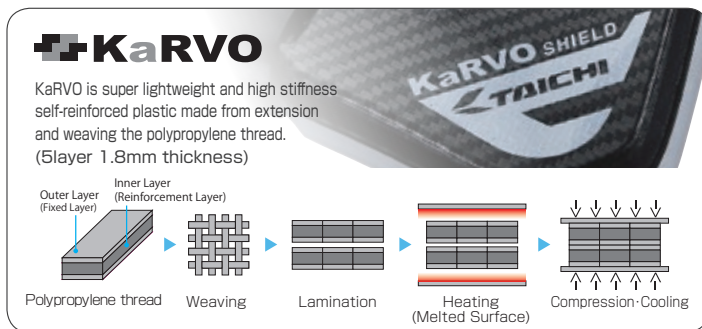




## TRV069 CROSSLAY CHEST PROTECTOR (WITH BUTTON)

- 3 Layer construction
- WEIGHT:270g
- prEN1621-3 level2 approved (Full-CHEST C)
- The highest rigidity prEN1621-3 level2 approved full chest type chest protector in the market. (According to our research)

- SIZE :H200×W260mm
- MATERIALS :Polypropylene



## TRV070 CROSSLAY CHEST PROTECTOR (WITH BELT)

- 3 Layer construction
- WEIGHT:270g (Not including fitting belt)
- prEN1621-3 level2 approved (Full-CHEST C)
- The highest rigidity prEN1621-3 level2 approved full chest type chest protector in the market. (According to our research)

- SIZE :H200×W260mm
- MATERIALS :Polypropylene



## TRV073 KaRVO SHIELD (OPTION PARTS)

- MATERIALS :Polypropylene





prEN1621-3  
FULL CHEST TYPE  
LEVEL 2



prEN1621-3:  
2015 Full Chest Type B Level 2  
approved chest protector  
in the market.



## TRV063 TECCELL CHEST PROTECTOR (WITH BUTTON)

Lightest prEN1621-3:2015 Full Chest Type B Level 2 approved chest protector in the market. New era chest protector with "Rigidity", "High Impact Absorption" and "Lightness"

- SIZE : MEN'S/H200×W260×T17mm (8.5mm×2 layer)  
WOMEN'S/H220×W250×T17mm (8.5mm×2 layer)
- MATERIALS: Polypropylene
- WEIGHT: MEN'S/200g WOMEN'S/230g



WOMEN'S  
BLACK/WHITE

MEN'S  
BLACK/WHITE

## TRV064 TECCELL CHEST PROTECTOR (WITH BELT)

- SIZE : MEN'S·WOMEN'S
- MATERIALS: Polypropylene



MEN'S  
BLACK/YELLOW



WOMEN'S  
BLACK/YELLOW

## TRV065 FITTING BELT FOR CPS

Fitting belt for chest protector with CPS(Chest Protector System). Elastic and adjustable shoulder belt and adjustable side belt for secure fit.

- SIZE : ONE SIZE  
※ 79cm~113cm(chest)
- MATERIALS: Polyethylene (Belt)





『Chest Protector System』

Recently, concern about safety is increasing in the motorcycle industry. RS TAICHI has released several jackets equipped with chest protector and optional chest protector can be added to most of the jackets. We have made a common chest protector integrating system, CPS in 2009. We will continue releasing new chest protectors to provide wide variety of products to meet the rider's demands.

『JMCA Recommended Chest Protector System』 started in August, 2016.

Japan Motorcycle Accessories Association(JMCA) started 『JMCA Recommended Chest Protector System』 in August, 2016 together with the protector manufacture in the association. Sticker are added to the package of the recommended product which is highly protective and has passed the CE standard to make them noticeable. JMCA is aiming to increase the use of chest protector by this system. Currently there are 2 levels of JMCA's recommended products. ★ is equivalent to CE level1 and ★★ is equivalent to CE level2. More stars mean higher performance.



JMCA Recommended Chest Protector

**TRV033 FLEX CHEST PROTECTOR (BUTTON)**  
**TRV034 FLEX CHEST PROTECTOR (WITH BELT)**



BLACK



Fitting belt for TRV034

- 8mm honeycomb to absorb impact.
- Chest protector attached base (CPS).
- Triple layer (PP+Honeycomb+EVA foam) construction.

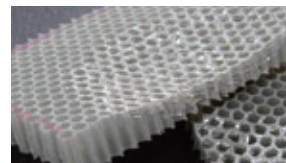
■SIZE : ONE SIZE



TRV033



TRV034



8mm honeycomb to absorb impact.

**TRV037 SEPARATE HONEYCOMB CHEST PROTECTOR**

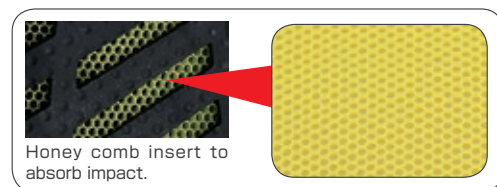


BLACK



- CPS(Chest Protector System).
- Six layer (PP+Honey Comb+PP+Honey Comb+PP+Polyethylene foam) construction.

■SIZE: ONE SIZE



Honey comb insert to absorb impact.

## TRV059 STEALTH CE KNEE GUARD

- Low profile design to wear under casual clothing.
- CE approved armor.
- Elastic strap for secure fit.
- Mesh fabric on sweating area.

■SIZE: M (34~40cm/21cm) L (36~42cm/21cm)  
 ※Around knee/Protector length

CE

PROTECTION



BLACK/YELLOW

## TRV060 STEALTH CE ELBOW GUARD

- Low profile design to wear under casual clothing.
- CE approved armor.
- Mesh fabric on sweating area.

■SIZE: ONE SIZE (23~29cm)  
 ※Around elbow

CE

PROTECTION



BLACK/YELLOW

## TRV045 STEALTH CE KNEE GUARD [HARD]

- Low profile design to wear under casual clothing.
- Light weight honeycomb core hard shell CE armor.
- Elastic strap for secure fit.
- Mesh fabric on sweating area.

■SIZE: M (34~40cm/26cm) L (36~42cm/26cm)  
 ※Around knee/Protector length

CE

PROTECTION



BLACK/YELLOW

## TRV046 STEALTH CE ELBOW GUARD [HARD]

- Low profile design to wear under casual clothing.
- Light weight honeycomb core hard shell CE armor.
- Mesh fabric on sweating area.

■SIZE: ONE SIZE (23~29cm)  
 ※Around elbow

CE

PROTECTION



BLACK/YELLOW

## NXV311 CE FLEX BACK PROTECTOR

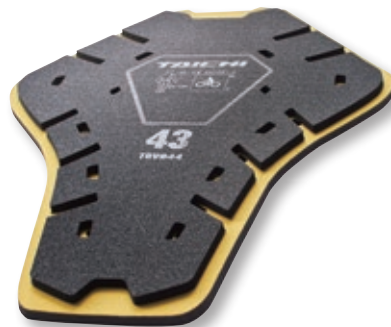


- EN1621-1 Level 2
- Open cell technology for superior air flow to keep riders cool.
- Removable EVA foam on the inside for added performance Multi position waist strap system Extra side adjustment straps give a more secure fit against the spine.
- Quick release soft shoulder straps.
- Kidney pads for added performance.

■SIZE:M·L·YOUTH/LADIES  
 ※M:160~175cm  
 L:170~185cm  
 Y/L:140~155cm



## TRV044 TAICHI CE BACK PROTECTOR



Double layer structure follows the body movement.

- CE Level 2 approved.
- Double layer 13mm thickness PVC construction.
- Option to upgrade standard back padding to higher protection back protector.

■SIZE:38 (WS·WM·WL)·40 (S·M·L)·  
 43 (XL·XXL)·48 (3XL·4XL·5XL)



## TRV057 TAICHI CE PROTECTOR (For ELBOW/KNEE)

- Design for RS TAICHI jacket and pants.(elbow or knee)
- CE approved.

■SIZE:ONE SIZE



## TRV058 TAICHI CE PROTECTOR (For SHOULDER)

- Design for RS TAICHI jacket.(shoulder)
- CE approved.

■SIZE:ONE SIZE

