

1 CHALLENGE

Handling Slippery Object

SOLUTION

Grip Performance



2 CHALLENGE

Handling Sharp-Edged Object

SOLUTION

Cut Resistance



3 CHALLENGE

Handling Chemical Liquid

SOLUTION

Chemical Resistance



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Oil Resistance



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Handling Small Part/ Object

SOLUTION

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Machine Cleaning & Maintenance

SOLUTION

Chemical Hazards Protection





1. Handling Slippery Object

CHALLENGE

Handling Slippery Object

Poor grip strength due to unsuitable gloves is the cause of many preventable workplace accidents, particularly when handling slippery objects contaminated with oils or liquids that reduce surface friction. Such accidents result in worker injuries, object damage, high repair/ replacement costs, costly downtime, and lost productivity.

SOLUTION

Grip Performance

Excia Machinery Industry Series Gloves are designed to provide maximum grip performance with micro-granular nitrile coating material that significantly increases the surface friction of contact points in light oil & wet conditions compared to other nitrile coatings. Flat nitrile provides a better grip on dry condition, reducing injury risk and enhancing work performance.

RECOMMENDED PRODUCT

Micro-granular coating



Flat NBR



*Testing of glove was carried out in comparison with well known brand

*Testing of gloves was carried out in accordance to SATRA TM438:2011 – Whole hand grip using engine oil



2. Handling Sharp-Edged Object

CHALLENGE

Handling Sharp-Edged Object

Handling sharp objects poses safety concerns in many workplaces. Accidents are inevitable due to machine failure or worker fatigue. Insufficient cut protection puts workers at risk of serious injuries, resulting in lost productivity and downtime. In serious cases, medical attention may be required, incurring high medical costs and even long-term disability that impacts the worker and employer significantly.

SOLUTION

Cut Resistance

Excia Machinery Industry Series Gloves provide cut level D, E and F protection for medium risk (D) to high risk (E, F) environments. Cut level D protection for medium risk such as machinery operation, metal handling, light glass handling, assembly and maintenance work. Level D protection is effective than level A to C in preventing cuts; and is more practical and cost-effective than levels E and F for these environments. While levels E and F offer stronger protection for high risk environment such as metal fabrication, machining, paper production and glass manufacturing. Choosing the appropriate level of protection can reduce the risk of injuries and minimize operating costs.

RECOMMENDED PRODUCT

Cut level D protection



Cut level E protection



Cut level F protection





3. Handling Chemical Liquid

CHALLENGE

Handling Chemical Liquid

Direct exposure to hazardous chemicals can cause severe health risks and injuries such as skin irritation, rash, chemical burns, and permanent scarring. Some chemicals can be harmful to the body's internal organs, leading to long-term health impacts and affecting the quality of life. Chemical exposure varies depending on the type, concentration, and duration of exposure, and can result in lost productivity and high medical costs for companies.

SOLUTION

Chemical Resistance

Excia Machinery Industry Series gloves offer superior chemical protection with premium neoprene and nitrile to provide an EN374 Type A chemical-resistance performance. Type A gloves offer better chemical protection in handling heavy chemical conditions than Type B gloves. CT037 with extra length provide additional arm length protection when handling chemical. Hence, choosing suitable chemical-resistant gloves can reduce the risks of health hazards and lead to better productivity.

RECOMMENDED PRODUCT



CT135

Type A certified
(6 chemicals)



CE108



CT037



4. Handling Oil

CT205

CHALLENGE

Handling Oil

Poor performance against liquid penetration can result in harmful health effects for workers. Chronic exposure to oils can pose serious health hazards to workers which range from skin irritation to cancer. When workers are not protected from oil exposure, they may have to take time off work due to illnesses or injuries, leading to low productivity and high costs for companies.

SOLUTION

Oil Resistance

Excia Machinery Industry Series gloves are available in light, moderate, and heavy variants. Our Double Coating Gloves provide better protection against liquid penetration and reduce the risk of direct contact with oils compared to single-coating gloves. Graphene series offer superior protection in oily condition with double coating of graphene and pvc compared to normal pvc coating. These gloves protect against chronic exposure to oil, reducing health risks and improving productivity.

RECOMMENDED PRODUCT

Light oil
(Double coating)

*Double Coating Prevent Liquid Penetration

- 1 Micro granular finishing
- 2 Nitrile coating (Middle)
- 3 Nylon (Inner)

GT505

Medium to heavy oil
(Double coating)

*Double Coating Prevent Liquid Penetration

- 1 Micro granular finishing
- 2 Nitrile coating (Middle)
- 3 Cotton Liner (Inner)

CT205

Heavy oil
(Double coating)

*Double Coating Prevent Liquid Penetration

- 1 Graphene
- 2 PVC (Middle)
- 3 Cotton (Inner)

CP251 **CP252**



5. Handling Food Processing

CHALLENGE

Handling Food Processing

Food contamination is a serious public health concern, with millions falling ill and hundreds of thousands dying each year. Using gloves not designed for food handling can result in contamination, serious health risks and death. Eventually, this could lead to loss of customers and business closure. This can also result in high costs due to recalls, penalties, legal fees, and damage to reputation.

SOLUTION

Contamination-Free/ Food Safe

Excia Machinery Industry Series gloves are tested by recognised Notified Body for food handling to prevent the spread of harmful bacteria and contaminants that can cause illness or even death. Our disposable glove 9300 is halal certified and meets Hazard Analysis and Critical Control Points (HACCP) requirements. This reduces the risk of contamination and improves work efficiency.

RECOMMENDED PRODUCT

Food-safe certified



CT135

Thickness
0.40mm



CT007

Thickness
0.28mm



9300

Finger
Thickness
0.07mm

HACCP
HALAL (JAKIM)



9500

Finger
Thickness
0.12mm



6. Handling Small Part/ Object

CHALLENGE

Handling Small Part/ Object

When handling small objects, poorly fitting gloves can cause hand fatigue, which can result in reduced efficiency and productivity, leading to increased costs for the company.

SOLUTION

Dexterity Performance

Excia Machinery Industry Series gloves feature a form-fitting, ergonomic design that fits the user's hands perfectly, while the lightweight material provide additional dexterity and tactile sensitivity, This allows for increased precision when handling small objects, reducing the chances of mishandling and human error. Ultimately, choosing the right gloves can improve efficiency and productivity.

RECOMMENDED PRODUCT





7. Machine Cleaning & Maintenance

CHALLENGE

Machine Cleaning & Maintenance

Without proper protective clothing and gloves, exposure to harmful chemicals in machinery processes can cause skin and respiratory problems and have long-term health effects. When working for long hours, unsuitable protective gear in hot and confined environments can lead to excessive sweating, which can cause discomfort and decrease work productivity.

SOLUTION

Chemical Hazards Protection

Excia Machinery Industry Series Protective Clothing is made using professionally selected high-breathability Microporous PE Laminate material and provides a Type 6B and 5B protection rating which protects against solid particulates (Type 5B) and liquid chemicals (Type 6B).

Together with the protective clothing, Excia also offers the CT135 gloves, which are Type A certified for 6 different chemicals, it will be able to offer complete body and hand protection to carry out their work safely and effectively in challenging machinery working conditions.

RECOMMENDED PRODUCT



CT135

6 chemicals
Type A certified

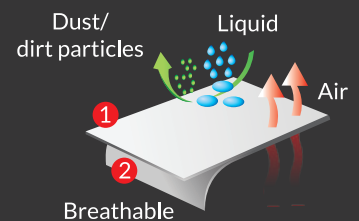


Excellent Chemical
Performance



T5-200

Type 6B and 5B certified
standard, high breathability



- 1 Microporous polyethylene film
- 2 Nonwoven inner layer