

SCHOOL MACHINE SAFETY GUARDING

Framework Design Ltd has been involved in the assessment, design, manufacture, installation and importing of industrial machinery and plant safety guarding since 1999. We operate in all environments where industrial machinery is used and required to be compliant with safety and health standards.

Today, a large segment of our business is in the supply and often installation of safety guards for such machinery as metalworking lathes, milling machines grinders and drilling machines as well as wood finishing machinery such as panel saws, bobbin sanders, bandsaws etc. In parallel with this core business we supply guarding for a wide range of machinery from food processing machinery, winery machinery, plastics industry, packaging and printing machinery.

We offer consulting services to industry and government departments and can provide risk assessments or safety audits for all machinery. This can involve a particular piece of machinery or a complete factory of machinery. When we complete safety audits we provide in addition to hazard identification and compliance advice, the even more important and often lacking solutions! We have the experience, knowledge of machinery and the technical skills to identify safety needs, practical production and maintenance needs and to provide efficient solutions including design and building of special custom guarding if required.

We continue to supply and work with Government Departments, small medium and large manufacturers, the resource industries, universities, schools, offshore ships and we are constantly scanning the world for additional products and services that provide a safer, more pleasant and more environmentally friendly working environment.

Planer & Joiner Guard



Designed to suit Woodfast or Durden Hand Planer & Joiner.
This Guard is designed to comply with the new "up to 150mm wide" planer Standard.

Bridge Guard for front

Bridge guard for rear of Woodfast Planer, spring return location against adjustable fence.

Specify whether machine has curved or flat top of drive belt guard so correct profile mounting saddle can be supplied.

Cleervue BT/2 Polycarbonate Drill Guard



Suits most belt drive drilling machines, Waldown, Asian etc:
This tough guard clamps to the bottom of the non rotating quill and protects the operator from the rotating spindle, chuck where fitted & the rotating drill. Flips up for drill changing & depth of coverage is adjustable. Total max length 170mm, maximum chuck size 55mm Ø.
When ordering please specify clamping diameter. All popular sizes stocked. For old model Waldown machines with a 120mm extended rotating spindle please see below Cleervue MT/2-41mm Drill Guard.

Cleervue MT/2-41mm Drill Guard



Suits "old" model Waldown 8SN drilling machines with 120mm extended rotating spindle below the quill.

A three piece aluminium extrusion guard with poly-carbonate viewing windows and a maximum ex-tension of 265mm. The lower sections of the guard are depth adjustable.

Cleervue BP/2E Column Mounted Drill Guard



Suits smaller belt drive drilling machines & is supplied with a range of different diameter column clamps.

Pivots open for access to Drill Chuck. Polycarbonate screen is depth adjustable. Available with or without microswitch.



Cleervue MTS/2 Drill Guard

Suits most heavy & geared head drilling machines found in schools:

A two piece aluminium extrusion guard with polycarbonate viewing window and a maximum extension of 180mm. The lower section is depth adjustable. Maximum clamping diameter of 101mm and maximum chuck size of 70mm Ø. All popular sizes stocked



Tecno PTO 04/140 with Microswitch

Suits larger drilling machines. Polycarbonate screen pivots open for access to the drill chuck etc.

This guard comes complete with a safety rated microswitch for connection to the machine control circuit.

Other similar and larger models available.

Further drill guards from Framework Design Ltd:

Cleervue & Tecno manufacture a wide range of styles of drilling machine safety guards most styles with a range of different mounting (attaching) options. Additionally Framework Design manufactures "custom" guards plus produces adaptors when the standard mounting proves to be unsuitable.



Universal Drill/Mill Guard

Designed to suit most brands of Drill / Mill. Drill / Mill guard mounts to the side of the machine head by a two screw mounting boss.

Two piece lower rear section belt guard

Designed to suit "very early" Waldown 8SN Drilling Machines with cast iron removable upper belt guard.

This guard fully encloses the belt & pulleys and is easily fitted.

Two piece motor shaft guard

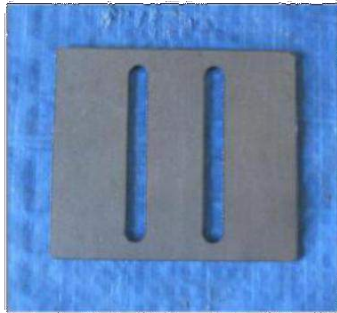
Designed to suit "early" Waldown 8SN Drilling Machines with sheet metal belt guard but with large opening around motor shaft.

Size is 190 x 140mm and fits inside existing guard



Cleervue SGB & ST Grinder Guards

Suits typical pedestal or bench mounted double ended grinder.
 Cleervue Grinder Eye Shields with "generic mounting"
 Model SGB with frame size of 159 x 133mm suits grinders with wheels up to 200mm
 Model ST with frame size of 215 x 160mm for larger grinders.



Spark Arrestors

Designed to suit typical pedestal or bench mounted double ended grinder.

Select centre distance between mounting slots of 25 or 50mm.



Eyeshield Replacement Glass

Suits typical pedestal or bench mounted double ended grinder.

Replacement laminated glass suits various makes of eyeshield, 150 x 100mm, Rounded corners & edges, glass only.



Spindle Guards—Flange Mount

Designed to suit GMF Grinders fitted with buffing spindles.



Drive Belt & Sanding Disc Guard

Designed to suit Grinders fitted with Multitool belt (finishing) & disc grinding attachment.

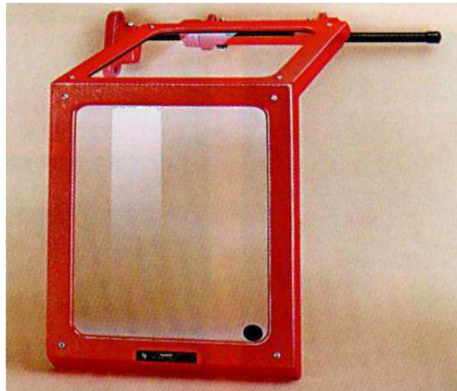
Available for 50mm and 100mm wide belt Multi-tool attachments. A nip point guard is also available for early attachments not having a nip point guard behind the front roller.



Cleervue L6E Lathe Chuck Guard

Suits Hercus Models A,AR, B, BR, C & CR, ATM and 260 plus most small lathes:

This Cleervue Lathe chuck guard comes with interlock micro switch and a universal mounting bracket. Special mounting brackets as required for the above Hercus lathes are available. Please specify model of Hercus lathe when enquiring about this product.



Cleervue L12E Lathe Chuck Guard

Suits most imported and New Zealand lathes used in school workshops with chuck sizes up to 300mm diameter:

Cleervue Model L12E lathe chuck guard with interlock micro switch and universal mounting bracket.



Tecno PTO 01 Lathe Chuck Guard

Suits larger Lathes with chuck sizes of 250mm Ø and above.

Range of sizes available and comes with interlock switch.

Further lathe chuck guards available from Framework Design:

Cleervue & Tecno manufacture a full range of lathe guards, both chuck guards & travelling style for lathes up to 1200mm diameter plus Framework manufactures custom guards when required. Please contact us for further information.



Cleervue Roller Style Leadscrew & Feedshaft Covers

Suits most lathes, small to large except Hercus.

From 150mm to 600mm wide in steps of 50mm up to 2.4M long. Sold as a pair, one for each side of the lathe saddle.



Tecno PAT 01 Roller Style Leadscrew/Feedshaft Covers

Suits small to large lathes of approximately 350mm swing and above.

Available for travel lengths between 1200mm and 4000mm. Supplied as a pair.



Lathe Roller Style Leadscrew/Feedshaft Covers

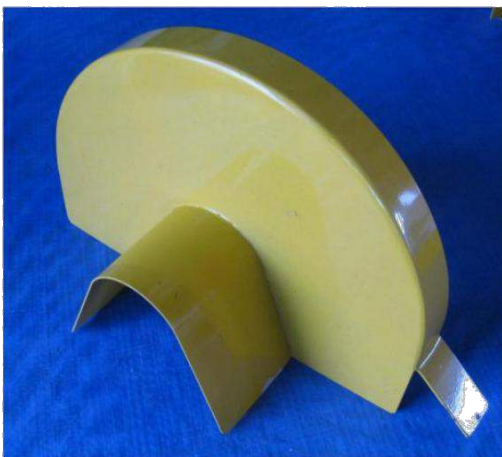
Designed to suit smaller machines such as Hercus 9 1/4 Inch swing and model 260.



Drive Belt & Chuck Guard

Designed to suit Hercus Models A, AR, B, BR, C & CR with "upright" or "overhead" style belt drive.

This guard comes with micro switches for the belt access opening and chuck guard. It is supplied in sections and assembles around machine with minimal dismantling of the lathe. Some sections of the original Hercus guarding is required.



Disk Guard

Designed to suit Woodfast and Hyco wood turning lathes.

This guard is for when a sanding disc is fitted to the rear of the machine spindle.

Available to suit several diameters of disc.

Available to suit machines with headstocks with rounded top & tapered sides or with square box shaped style.



Spindle Cap Guard

Designed to suit Woodfast & Hyco wood turning lathes.

This guard is designed for when above disc guard is not fitted.

Disc & Spindle Guard

Designed to suit Woodfast Disc & Belt Sander

Please specify diameter of disc when enquiring about this product.

Nip point guard

For the same machine we also have nip point guards for both sides of belt.



Bandsaw Table Blade Guards

Designed to suit 14" Woodfast & Steelfast Bandsaws.

Products for above table blade and guide & below table while still allowing table tilt.



"Crescent" Guard & Blade Return

Designed to suit most brands of Radial Arm Saw.

Come complete with mounting and suit both sides of sawblade.

"Generic" sawblade head return - spring loaded pull cable unit.



Rear Guillotine Guard

Designed to suit AP Lever Model 6D & John Heine 48B Treadle Guillotines:

This guard complies with AS1893. Provision for long sheet cutting and supplied with facility for locking closed with a padlock.

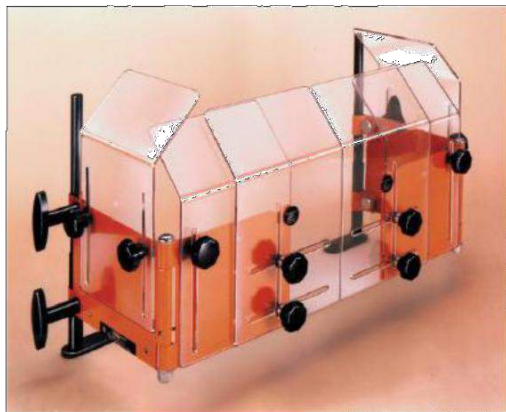
These guards are supplied in a "flat pack" form and require simple assemble.



Purpose Built Mill Guard

Designed to suit small Hercus Milling Machine.

This guard mounts to table & each "L" shaped side is hinged for access for loading etc.



Cleervue Max-A-Just Mill Guard

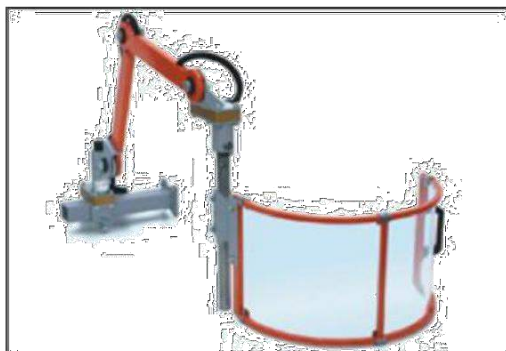
Suits small & medium milling machines.

This guard attaches to table via tee slots. Adjustable for height, shape & length. Hinges open for access.

Model M1 – minimum overall length enclosing 375mm, maximum 475mm, maximum extended in a straight line 800mm, minimum height 200mm, maximum height 350mm.

Model M2 – minimum overall length enclosing 700mm, maximum 925mm, maximum extended in a straight line 1250mm, minimum height 250mm, maximum height 450mm.

Please advise size of tee slots when enquiring about this product.



Tecno PFR 01 Universal Mill Guard

Suits Bridgeport / Turret style Milling machines.

This very versatile guard surrounds the cutter area and has two microswitches to ensure the guard is correctly positioned when the machine is in use.

Various sizes of screen available.



Cleervue Enclosure Style Mill Guards

Suits most milling machines, vertical, horizontal, universal etc.

This guard is table mounted via tee slots. Two styles, folding to open Models EM & EMT & Sliding Front Panels on linear bearing style, Model SSP. Both styles have opening side panels allowing for long work pieces. Both supplied with interlock micro switches.



Wire Brush Guard

Designed to suit most bench grinders.

wire brush guard with snap close lid.

Framework Design supplies safety guarding for industrial machinery throughout New Zealand. As well as importing & distributing Tecno & Cleervue products, Framework Design custom designs and builds guards as per the examples below. Framework Design also provides a complete professional safety audit & risk assessment service with the advantage that we provide practical solutions to overcome hazards.

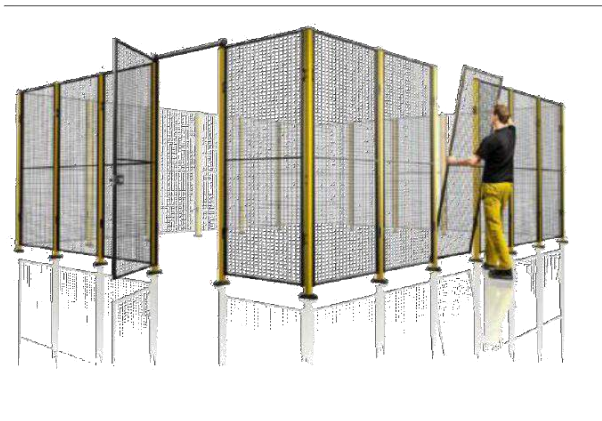




Framework Design is a New Zealand re-seller for Axelent's X-Guard product. X-Guard is a mesh modular safety fencing system that is quick and easy to install. This system of fencing is used in the form of protection and parti-tioning systems for industry, warehouses and construction.

The X-Guard range is available in mesh panel sections or sheet plate and plastic sections. Axelent also has a large selection of doors, locks and accessories enabling us to offer a complete guarding solution tailored to your requirements.

Axelent's own SnapperWorks drawing application enables us to quickly provide you with a quotation including drawing and material specification.



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