



# ISB

Safety is our passion, **YOUR** safety is our mission.

[www.isblite.com](http://www.isblite.com)

## TYPE 4 SAFETY LIGHT CURTAINS



### Common Features of MX4100 and MX4200 Light Curtains

- Detection capability:
  - 14 mm for finger protection
  - 22 mm, 30 mm and 38 mm for hand protection
  - 82 mm for body protection
- Protective field height: 300 mm to 1800 mm
- Standard range: 10 m
- Start / Restart Interlock, selectable.
- EDM: External Device Monitoring, selectable.
- OSSD with two separate safety outputs.
- Easy set-up, no separate software or computer required
- Individual indicators for each beam
- Solid aluminium construction

### Additional features of the MX4200

- Fixed monitored blanking
- Fixed partially monitored blanking
- Floating blanking
- Configurable tolerances for all blanking modes
- Muting



Compliant with the following standards:

IEC 61496-1 • IEC 61496-2 • EN ISO 13849-1 + AC • EN 62061 • IEC 61508 Parts 1-7 • IEC 60204-1 • EN 50178 • ANSI B11.19 • ANSI/RIA R15.06



**Scan QR code for more information**

<https://isblite.com/products/safety-light-curtains/>

## PRESS BRAKE GUARDING

Press brakes are difficult machines to guard, A standard safety light curtain can not provide protection because of these varying part profiles. Only the unique MERLIN concept, pioneered by ISB, can learn each flange profile while making your initial sample part and automatically create a window exactly the proper size required for each specific cycle. This opening may change from stroke to stroke automatically, completely determined by our processor, not your operator or set up personnel.



**Scan QR code for more information**

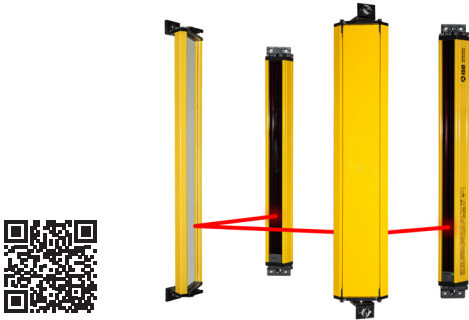
<https://isblite.com/products/merlin-press-brake-guarding/>



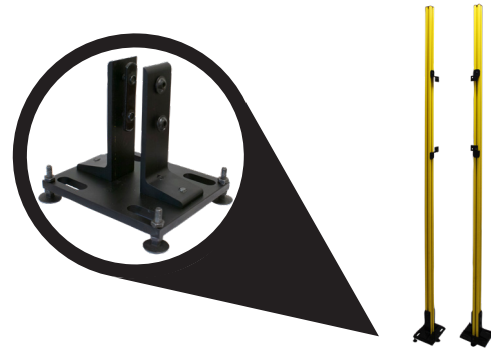
## ■ MX LIGHT CURTAIN

### Mounting hardware & wiring accessories

Mirrors to provide multi-side guarding



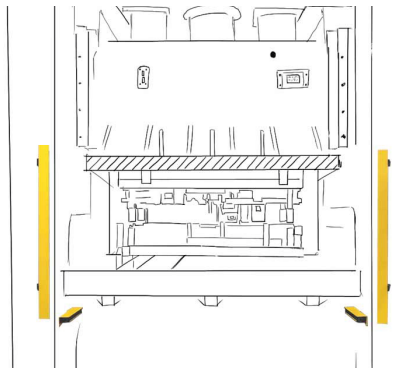
A pair of floor mounting pedestals



## ■ MOUNTING BRACKETS

### For straight side press

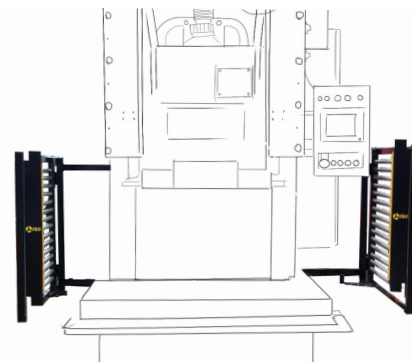
Custom built straight side press mounting brackets.



## ■ MOUNTING BRACKETS

### For C-Frame press

Custom welded swing away side guard mounting brackets for C-frame presses & press brakes.



## ■ MX WIRING BOXES

The MX light curtain wiring boxes are designed to perform an easy and fast installation of ISB Merlin 4000 Systems and ISB MX4000 Light Curtain Systems. These wiring boxes come with all internal components pre-wired, and may contain from 1 up to 4 safety relays and a 24 VDC power supply.



\* The MX light curtain wiring boxes come in different models depending on the application.



## RBPC

### Resolver Based Press Control

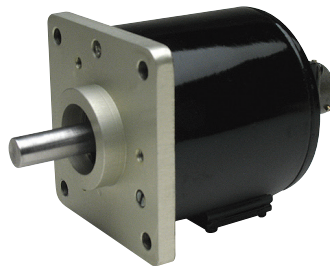
The ISB RBPC Control has a compact design for easy installation. The entire press control and automation package, including the operator interface is self-contained in a panel-mount housing that could fit into your brief case

With 4 built-in die protection and 4 Programmable Limit Switches (PLS) for your air clutch mechanical presses;  
Expandable up to 12 PLS Channels and 25 die protection channels.

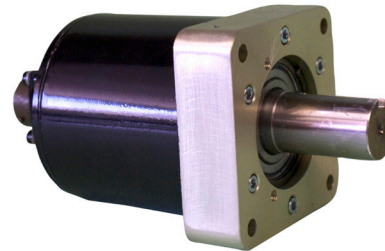


## RESOLVERS

This is a very robust absolute position tracking mechanism, which is designed to replace an existing cam box or a rotary pulse generator. The main drive shaft is located within a solid aluminum block and supported with two heavy duty rotary bearings to insure maximum stability and long life. These resolvers are available in 3/8 or 3/4 inch shafts.



RESOLVER 3/8"  
30-0018-01



RESOLVER 3/4"  
30-0018-02

## SOF-TOUCH 2

### Ergonomic Buttons

Sof-Touch is a totally self-contained direct replacement for conventional spring-loaded run buttons.

P/N: ST2-0001

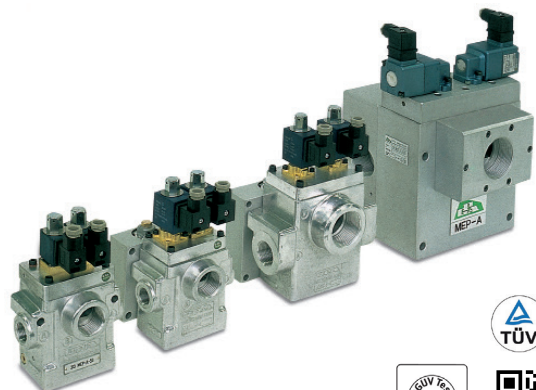
P/N: ST2-0001-90



P/N: ST2-4200-00

## SAFETY VALVES

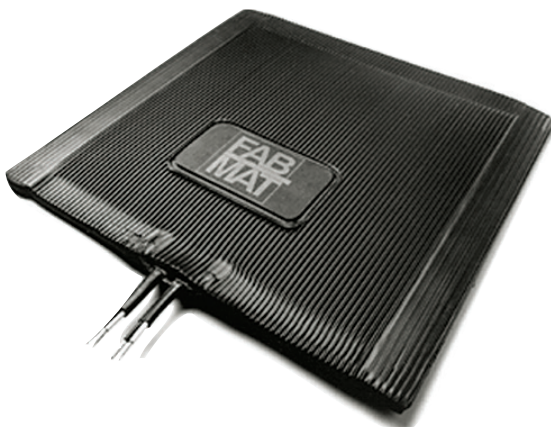
Self monitoring 120 VAC or 24 VDC



## FAB-MAT & CONTROLLER

Fab-Mat, made to order  
(width WW, length LL), black :  
FM-WWLL-B

Fab-Mat edge trimming  
aluminum extrusion.  
Supplied in 108" lengths :  
34-0893-000



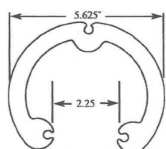
Complete Fab Mat 2 Controller:  
P/N FM2-CTR  
Relay only:  
P/N 22-4000-01



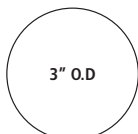
## ISB ADJUSTABLE DIE SAFETY BLOCKS

Safety Blocks with adjustable screw are quick  
and easily adaptable.

Safety Blocks provide safety during set up and  
maintenance for power presses. This is done by  
mechanically and electrically preventing inadvertent  
die closure.



Standard Horseshoe Style



Standard Round Style



**THE NEW MINI**

1.5" O.D

Round Mini Style



Safety is our passion, YOUR safety is our mission.



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