

FINPRO

Laser Safety Systems



FINPRO Adjustment Magnets



PRESS BRAKE
LASER PROTECTION
SYSTEM



HIGH SAFETY HIGH PRODUCTIVITY HIGH CAPABILITY



FINPRO is a well designed compact product that provides high safety during a press brake operation.

System consists of a Transmitter and a Receiver. Transmitter is the source of a high quality block laser line which creates a safe working zone by the help of optical sensors on the Receiver side.

High Protection

Both the Transmitter and the Receiver is mounted to the upper beam of the press brake and creates safety field zone during bending operation.

High Productivity

Upper beam can travel at high speed till 10 mm tool opening!

Thanks to this short **10 mm Muting Point** between the tool tip point of the upper beam and the FINPRO, time at slow speed travel decreases. As a result of that, machine cycle time decreases and productivity gets increased.

High Capability

High production capability is possible with FINPRO even working with the small parts!

As the safety zone defined 18 mm from the sensor on the bending line to the last sensor, operator can stand close and work continuously with such small parts easily.

Unlike the classic laser curtains, FINPRO allows operator to work without stepping back from the bending area.





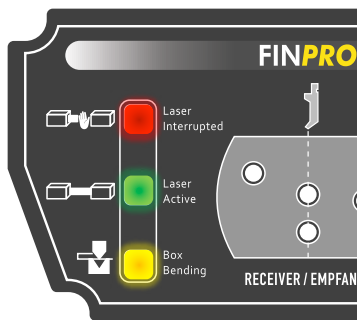
Powerful 5 Point Laser Protection

FINPRO is equipped with a high quality laser transmitter and five optical receivers that generates safety zone during the operation.

Even Side Doors and Back Door included to the system to secure the operator at all zones during a bending ! System stops not only interruption on the bending line but also opening of side door(s) or back door.

Indicator LED Lights

Receiver side of the FINPRO has five LED indicator lights where you can visually understand the working mode of FINPRO continuously.



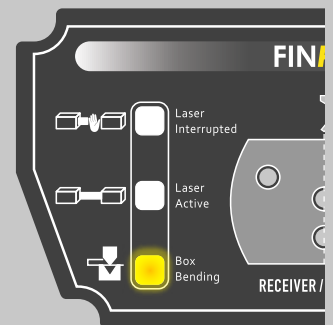
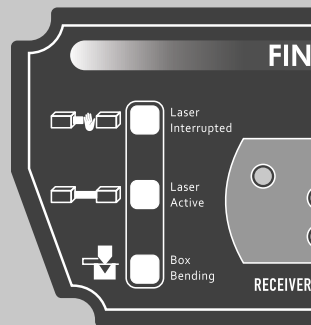
Laser Interrupted

Indicated by a **RED** light. Warns that there is an object interrupts the continues laser line and send signal to stop the machine.

Laser Active

Indicated by a **GREEN** light. Shows that there is no interruption of continuous laser light.

Box Bending mode allows the operator to work box shaped workpieces. Although the interruption of one sensor by workpiece, the sensors on the bending line are active for a box bending with a full safety. It is need to switch on the button on the control panel to activate box bending mode and then a very bright yellow LED will turn on which indicates that the box bending is active.

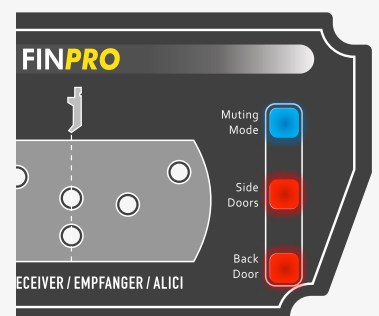


Muting Mode

Indicated by a **BLUE** light. With the muting signal from CNC unit, LED turns blue and informs the operator that machine is running at slow speed and security system is not activated.

Doors Open

Indicated by a **RED** light. Warns that side door(s) or the back door is open and sends signal to stop the machine.





Quick Assembly

Thanks to four special nuts of FINPRO, it is easy to assemble on any holding bars. Just place them from the nuts and tighten by the bolts.



Easy Alignment Magnets

Thanks to Magnets provided with the FINPRO, Transmitter and Receiver alignment is as easy as assembly.

Just stick the magnets to both ends of the upper beam and adjust the height individually to allow the leasers pass through the circles on the magnet.



FINPRO

Maximum Working Range	6 meters
Controller Compatibility	Applicable to all Controller Brands
Power Connector - Transmitter	D-SUB 3 row 15pin
Power Connector - Receiver	D-SUB 15 pin
Muting (Speed Change) Point	10 mm
Distance of the Lasers	18 mm
Indicator LEDs	Box Bending / Muting / Laser Active / Laser Interrupted / Side Doors / Back Door
Assembly Field	Applicable both OEM & Retrofit Applications

FINPRO

Designed by



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